

### FISA DE INDEPLINIRE A STANDARDELOR MINIMALE

<b>A.1.1 Cărți și capitole în cărți de specialitate</b>				
<b>A.1.1.1 Cărți/capitole ca autor</b>				
<b>A.1.1.1.1 Internaționale</b>				
Autori	Titlu	Volum, Editura	ISBN	Punctaj
Ciurea A, Mîndruta I, Maliia MD, Ciurea A, Ciurea J, Barborica A, Donos C, Casanova MF, Opris I,	Modular signatures and neural avalanches in epileptic brain networks	Recent Advances on the Modular Organization of the Cortex, Springer	978-94-017-9900-3	0.4
<b>A.1.2 Material didactic/lucrări practice</b>				
<b>A.1.2.1 Manuale didactice</b>				
Autori	Titlu	Editura	ISBN	Punctaj
Andrei Barborica	Principles and Systems for Physiological Measurements	Editura Universitatii Bucuresti	973-575-426-6	0.2
Razvan C. Bobulescu, Andrei Barborica	Introduction to Electronics	Editura Universitatii Bucuresti	973-575-641-2	0.2
<b>A.1.2.2 Îndrumare de laborator/aplicații</b>				
Autori	Titlu	Editura/URL	Punctaj	
Andrei Barborica, Razvan C. Bobulescu,	Introduction to Electronics - Laboratory Book	Online, Facultatea de Fizica, <a href="http://fpce4.fizica.unibuc.ro/fpce4/STUDENTS/LABORATORY/ELECTRONICS/Intro%20Electronics%20Laboratory.pdf">http://fpce4.fizica.unibuc.ro/fpce4/STUDENTS/LABORATORY/ELECTRONICS/Intro%20Electronics%20Laboratory.pdf</a>	0.2	
Andrei Barborica, Razvan C. Bobulescu,	Electronic Devices and Circuits - Laboratory Book	Online, Facultatea de Fizica, <a href="http://fpce4.fizica.unibuc.ro/fpce4/STUDENTS/LABORATORY/ELECTRONICS/Electronic%20Devices%20and%20Circuits%20Laboratory.pdf">http://fpce4.fizica.unibuc.ro/fpce4/STUDENTS/LABORATORY/ELECTRONICS/Electronic%20Devices%20and%20Circuits%20Laboratory.pdf</a>	0.2	
<b>A.1.3 Brevete de invenție</b>				
<b>A.1.3.2 Naționale</b>				
Autori	Titlu	Numar	Punctaj	

Barborica A, Constantin C, Ribco L.	Biostimulation skin electrothermal sensor matrix type transducer	RO104300-A	0.2
Chiriac H, Moga V, Eperjessy G, Urse M, Tupilatu M, Moga A E, Rusu V F, Barborica A, Dimitriu B I, Tudose C I, Dumitrascu G	Process control pressure gauge with two amplifiers	RO111877-B	0.2
<b>A.1.4 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale. Granturi/proiecte de cercetare în valoare de peste 100000 euro (cumulativ), câștigate prin competiție</b>			
Titlu		Director/Responsabil	Punctaj
Facultatea de Fizica, specializarea Fizica Medicala		Coordonator	0.4
Single-unit dynamics in the epileptic foci in patients with temporal lobe epilepsy, PN-II-ID-PCE-2011-3-0240, valoarea		Director	0.4
<b>Total activitatea A.1</b>			<b>2.4</b>
<b>A.2 Activitatea de cercetare</b>			
<b>A.2.1 Articole în reviste cotate ISI și în volume indexate ISI Proceedings</b>			
Articol		Scor de influenta absolut	Punctaj $\frac{\sum_i a_i/n_i^{ef}}{2}$
GANCIU M, DINESCU M, MIHAILESCU IN, BARBORICA A (1993). LASER-INDUCED ACOUSTIC-WAVES - A POSSIBLE APPROACH TO THE FORMATION OF SURFACE-STRUCTURES. Opt Commun <b>97</b> (3-4):199-202. doi:10.1016/0030-4018(93)90140-Z.		1	0.125
BARBORICA A, CHITICA N, DINESCU M, PETRIS A, MIHAILESCU IN, URSU I (1993). THE ROLE OF HEATING AND SUBSEQUENT COOLING FOR MORPHOLOGICAL MODIFICATIONS UNDER PULSED-LASER IRRADIATION. Phys STATUS SOLIDI A-APPLIED Res <b>139</b> (1):119-127. doi:10.1002/pssa.2211390109.		0.45	0.0421875
MIHAILESCU IN, CHITICA N, NISTOR LC, POPESCU M, TEODORESCU VS, URSU I, ANDREI A, BARBORICA A, LUCHES A, DEGIORGI ML, PERRONE A, DUBREUIL B, HERMANN J (1993). DEPOSITION OF HIGH-QUALITY TIN FILMS BY EXCIMER-LASER ABLATION IN REACTIVE GAS. J Appl Phys <b>74</b> (9):5781-5789. doi:10.1063/1.354198.		1.3	0.084782609
BARBORICA A, CHITICA N, DINESCU M, MIHAILESCU IN, URSU I (1994). SELECTIVE LASER OXIDATION OF THIN METAL-FILM AS AN EFFECT OF DIFFERENT THERMAL REGIMES. Thin Solid Films <b>238</b> (2):276-279. doi:10.1016/0040-6090(94)90066-3.		0.8	0.08

Barborica A, Mihailescu IN, Teodorescu VS (1994). Dynamical evolution of the surface microrelief under multiple-pulse-laser irradiation: An analysis based on surface-scattered waves. Phys Rev B <b>49</b> (12):8385-8395. doi:10.1103/PhysRevB.49.8385.	1.5	0.25
MIHAILESCU IN, CHITICA N, TEODORESCU VS, POPESCU M, DEGIORGI ML, LUCHES A, PERRONE A, BOULMERLEBORGNE C, HERMANN J, DUBREUIL B, UDREA S, BARBORICA A, IOVA I (1994). DIRECT CARBIDE SYNTHESIS BY MULTIPULSE EXCIMER-LASER TREATMENT OF TI SAMPLES IN AMBIENT CH4 GAS AT SUPERATMOSPHERIC PRESSURE. J Appl Phys <b>75</b> (10, 1):5286-5294. doi:10.1063/1.355729.	1.3	0.084782609
Leggieri G, Luches A, Martino M, Perrone A, Alexandrescu R, Barborica A, Gyorgy E, Mihailescu IN, Majni G, Mengucci P (1996). Laser reactive ablation deposition of silicon carbide films. Appl Surf Sci <b>96-98</b> :866-869.	0.6	0.045
Mihailescu IN, Lita A, Teodorescu VS, Gyorgy E, Alexandrescu R, Luches A, Martino M, Barborica A (1996). Synthesis and deposition of silicon nitride films by laser reactive ablation of silicon in low pressure ammonia: A parametric study. J Vac Sci Technol A-VACUUM SURFACES Film <b>14</b> (4):1986-1994.	1.1	0.091666667
Logothetidis S, Barborica A (1997). In-situ and real time room temperature oxidation studies of fcc TiN thin films. Microelectron Eng <b>33</b> (1-4):309-316. doi:10.1016/S0167-9317(96)00059-7.	0.37	0.0925
Opris I, Barborica A, Ferrera VP (2001). On the gap effect for saccades evoked by electrical microstimulation of frontal eye fields in monkeys. Exp Brain Res <b>138</b> (1):1-7.	1	0.166666667
Barborica A, Ferrera VP (2003). Estimating invisible target speed from neuronal activity in monkey frontal eye field. Nat Neurosci <b>6</b> (1):66-74.	9	2.25
Opris I, Barborica A, Ferrera VP (2003). Comparison of performance on memory-guided saccade and delayed spatial match-to-sample tasks in monkeys. Vision Res <b>43</b> (3):321-332.	1	0.166666667

Barborica A, Ferrera VP (2004). Modification of saccades evoked by stimulation of frontal eye field during invisible target tracking. <i>J Neurosci</i> <b>24</b> (13):3260-3267.	3.7	0.925
Opris I, Barborica A, Ferrera VP (2005). Microstimulation of the dorsolateral prefrontal cortex biases saccade target selection. <i>J Cogn Neurosci</i> <b>17</b> (6):893-904. <a href="http://www.ncbi.nlm.nih.gov/pubmed/15969908">http://www.ncbi.nlm.nih.gov/pubmed/15969908</a> .	3	0.5
Opris I, Barborica A, Ferrera VP (2005). Effects of electrical micro stimulation in monkey frontal eye field on saccades to remembered targets. <i>Vision Res</i> <b>45</b> (27):3414-3429. doi:10.1016/j.visres.2005.03.014.	1.1	0.183333333
Xiao Q, Barborica A, Ferrera VP (2006). Radial motion bias in macaque frontal eye field. <i>Vis Neurosci</i> <b>23</b> (1):49-60.	0.7	0.116666667
Xiao Q, Barborica A, Ferrera VP (2007). Modulation of visual responses in macaque frontal eye field during covert tracking of invisible targets. <i>Cereb Cortex</i> <b>17</b> (4):918-928.	3.2	0.533333333
Cruceru M, Bartos D, Cruceru I, Caragheorghopol G, Dului OG, Barborica A, Cristea P, Niculae CM, Bobulescu RC (2009). A COORDINATE SENSITIVE DETECTOR FOR PARTICLES GENERATED IN HIGH ENERGY REACTIONS. <i>Rom REPORTS Phys</i> <b>61</b> (3):513-521.	0.23	0.018157895
Ferrera VP, Barborica A (2010). Internally Generated Error Signals in Monkey Frontal Eye Field during an Inferred Motion Task. <i>J Neurosci</i> <b>30</b> (35):11612-11623. doi:10.1523/JNEUROSCI.2977-10.2010.	3.4	0.85
Novak P, Przybyszewski AW, Barborica A, Ravin P, Margolin L, Pilitsis JG (2011). Localization of the subthalamic nucleus in Parkinson disease using multiunit activity. <i>J Neurol Sci</i> <b>310</b> (1-2):44-49. doi:10.1016/j.jns.2011.07.027.	0.78	0.073125

<p>Toleikis JR, Metman LV, Pilitsis JG, Barborica A, Toleikis SC, Bakay RAE (2012). Effect of intraoperative subthalamic nucleus DBS on human single-unit activity in the ipsilateral and contralateral subthalamic nucleus. <i>J Neurosurg</i> <b>116</b>(5):1134-1143.  <a href="http://thejns.org/doi/abs/10.3171/2011.12.JNS102176%5Cnpapers3://publication/doi/10.3171/2011.12.JNS102176">http://thejns.org/doi/abs/10.3171/2011.12.JNS102176%5Cnpapers3://publication/doi/10.3171/2011.12.JNS102176</a>.</p>	1	0.09375
<p>Balanescu B, Franklin R, Ciurea J, Mindruta I, Rasina A, Bobulescu RC, Donos C, Barborica A (2014). A personalized stereotactic fixture for implantation of depth electrodes in stereoelectroencephalography. <i>Stereotact Funct Neurosurg</i> <b>92</b>(2):117-125.</p>	0.6	0.05
<p>Craiu D, Barborica A, Motoescu C, Donos C, Ciurea J, Mindruta I (2015). Presurgical evaluation and epilepsy surgery in MRI negative resistant epilepsy of childhood with good outcome. <i>Turk Neurosurg</i> <b>25</b>(6):905-913.</p>	0.2	0.01875
<p>Ciurea A, Popa I, Maliia MD, Csilla-Johanna N, Barborica A, Donos C, Ciurea J, Opris I, Mindruta I (2015). Successful epilepsy surgery in frontal lobe epilepsy with startle seizures: A SEEG study. <i>Epileptic Disord</i> <b>17</b>(4):363-371.</p>	0.4	0.031578947
<p>Donos C, Mîndruță I, Ciurea J, Măliia MD, Barborica A (2016). A comparative study of the effects of pulse parameters for intracranial direct electrical stimulation in epilepsy. <i>Clin Neurophysiol</i> <b>127</b>(1):91-101.  doi:10.1016/j.clinph.2015.02.013.</p>	1	0.1
<p>Trebaul L, Rudrauf D, Job A-S, Măliia MD, Popa I, Barborica A, Minotti L, Mîndruță I, Kahane P, David O (2016). Stimulation artifact correction method for estimation of early cortico-cortical evoked potentials. <i>J Neurosci Methods</i> <b>264</b>:94-102. doi:10.1016/j.jneumeth.2016.03.002.</p>	0.8	0.06
<p>Donos C, Măliia MD, Mîndruță I, Popa I, Ene M, Bălănescu B, Ciurea A, Barborica A (2016). A connectomics approach combining structural and effective connectivity assessed by intracranial electrical stimulation. <i>Neuroimage</i> <b>132</b>:344-358. doi:10.1016/j.neuroimage.2016.02.054.</p>	2.3	0.191666667
<p>Przybyszewski AW, Ravin P, Pilitsis JG, Szymanski A, Barborica A, Novak P (2016). Multi-parametric analysis assists in STN localization in Parkinson's patients. <i>J Neurol Sci</i> <b>366</b>:37-43. doi:10.1016/j.jns.2016.04.043.</p>	0.8	0.075

Donos C, Mîndruță I, Malîia MD, Rașină A, Ciurea J, Barborica A (2016). Co-occurrence of high-frequency oscillations and delayed responses evoked by intracranial electrical stimulation in stereo-EEG studies. Clin Neurophysiol Dec 2016, In press. doi:10.1016/j.clinph.2016.11.028.	1	0.088235294
Dragos Malîia M, Donos C, Barborica A, Mindruta I, Popa I, Ene M, Beniczky S (2016). High frequency spectral changes induced by single-pulse electric stimulation: comparison between physiologic and pathologic networks. Clin Neurophysiol, Dec 2016, In press. doi:10.1016/j.clinph.2016.12.016.	1	0.088235294
<b>Total activitatea A.2.1</b>		<b>7.476085148</b>

<b>A.2.2 Articole în reviste cotate ISI și în volume indexate ISI Proceedings (prim autor/autor corespondent)</b>		
Articol	Scor de influenta absolut	Punctaj $\frac{\sum_i a_i}{1.5}$
BARBORICA A, CHITICA N, DINESCU M, PETRIS A, MIHAILESCU IN, URSU I (1993). THE ROLE OF HEATING AND SUBSEQUENT COOLING FOR MORPHOLOGICAL MODIFICATIONS UNDER PULSED-LASER IRRADIATION. Phys STATUS SOLIDI A-APPLIED Res <b>139</b> (1):119-127. doi:10.1002/pssa.2211390109.	0.45	0.3
BARBORICA A, CHITICA N, DINESCU M, MIHAILESCU IN, URSU I (1994). SELECTIVE LASER OXIDATION OF THIN METAL-FILM AS AN EFFECT OF DIFFERENT THERMAL REGIMES. Thin Solid Films <b>238</b> (2):276-279. doi:10.1016/0040-6090(94)90066-3.	0.8	0.533333333
Barborica A, Mihailescu IN, Teodorescu VS (1994). Dynamical evolution of the surface microrelief under multiple-pulse-laser irradiation: An analysis based on surface-scattered waves. Phys Rev B <b>49</b> (12):8385-8395. doi:10.1103/PhysRevB.49.8385.	1.5	1
BARBORICA A, MIHAILESCU IN, GANCIU M, TEODORESCU VS, URSU I (1995). DYNAMICAL EVOLUTION OF THE SURFACE MICRORELIEF UNDER MULTIPLE-PULSE-LASER IRRADIATION - FROM ORDER TO CHAOS. In: Vlad, VI, ed. <i>FOURTH CONFERENCE IN OPTICS, ROMOPTO '94</i> Vol 2461. PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE). pp. 110-120 doi:10.1117/12.203523.		0
Barborica A, Ferrera VP (2003). Estimating invisible target speed from neuronal activity in monkey frontal eye field. Nat Neurosci <b>6</b> (1):66-74.	9	6

Barborica A, Ferrera VP (2004). Modification of saccades evoked by stimulation of frontal eye field during invisible target tracking. J Neurosci <b>24</b> (13):3260-3267.	3.7	2.466666667
Toleikis JR, Metman LV, Pilitsis JG, Barborica A, Toleikis SC, Bakay RAE (2012). Effect of intraoperative subthalamic nucleus DBS on human single-unit activity in the ipsilateral and contralateral subthalamic nucleus. J Neurosurg <b>116</b> (5):1134-1143. <a href="http://thejns.org/doi/abs/10.3171/2011.12.JNS102176%5Cnpapers3://publication/doi/10.3171/2011.12.JNS102176">http://thejns.org/doi/abs/10.3171/2011.12.JNS102176%5Cnpapers3://publication/doi/10.3171/2011.12.JNS102176</a> .	1	0.666666667
Balanescu B, Franklin R, Ciurea J, Mindruta I, Rasina A, Bobulescu RC, Donos C, Barborica A (2014). A personalized stereotactic fixture for implantation of depth electrodes in stereoelectroencephalography. Stereotact Funct Neurosurg <b>92</b> (2):117-125.	0.6	0.4
Donos C, Mîndruță I, Ciurea J, Mălîia MD, Barborica A (2016). A comparative study of the effects of pulse parameters for intracranial direct electrical stimulation in epilepsy. Clin Neurophysiol <b>127</b> (1):91-101. doi:10.1016/j.clinph.2015.02.013.	1	0.666666667
Donos C, Mălîia MD, Mîndruță I, Popa I, Ene M, Bălănescu B, Ciurea A, Barborica A (2016). A connectomics approach combining structural and effective connectivity assessed by intracranial electrical stimulation. Neuroimage <b>132</b> :344-358. doi:10.1016/j.neuroimage.2016.02.054.	2.3	1.533333333
Donos C, Mîndruță I, Mălîia MD, Rașină A, Ciurea J, Barborica A (2016). Co-occurrence of high-frequency oscillations and delayed responses evoked by intracranial electrical stimulation in stereo-EEG studies. Clin Neurophysiol <b>0</b> (0):1736-1744. doi:10.1016/j.clinph.2016.11.028.	1	0.666666667
<b>Total activitatea A.2.2</b>		<b>14.23333333</b>
<b>Total activitatea A.2</b>		<b>21.70941848</b>

A.3 Recunoaștere și impactul activității		
A.3.1 Citări în reviste indexate ISI		
Publicatie	Citata in lucrarea	Punctaj $\frac{\sum_i c_i/n_i^{ef}}{17.5}$
1. Barborica A, Ferrera VP (2003). Estimating invisible target speed from neuronal activity in monkey frontal eye field. Nat Neurosci <b>6</b> (1):66-74.	Churchland MM, Chou IH, Lisberger SG (2003). Evidence for object permanence in the smooth-pursuit eye movements of monkeys. J Neurophysiol <b>90</b> (4):2205-2218. doi:10.1152/jn.01056.2002.	1.885714
	Tanev I, Shimohara K (2003). On role of implicit interaction and explicit communications in emergence of social behavior in continuous predators-prey pursuit problem. In: CantuPaz, E and Foster, JA and Deb, K and Davis, LD and Roy, R and OReilly, UM and Beyer, HG and Standish, R and Kendall, G and Wilson, S and Harman, M and Wegener, J and Dasgupta, D and Potter, MA and Schultz, AC and Dowsland, KA and Jonoska, N and Miller, J, ed. <i>GENETIC AND EVOLUTIONARY COMPUTATION - GECCO 2003, PT I, PROCEEDINGS</i> Vol 2723. LECTURE NOTES IN COMPUTER SCIENCE. pp. 74-85	
	Bradley D, Wallisch P (2003). Hide, remember, seek. Nat Neurosci <b>6</b> (1):11-12. doi:10.1038/nn0103-11.	
	von Hofsten C (2004). An action perspective on motor development. TRENDS Cogn Sci <b>8</b> (6):266-272. doi:10.1016/j.tics.2004.04.002.	
	Zee DS (2004). Neuro-ophthalmology and neuro-otology. Curr Opin Neurol <b>17</b> (1):1-2. doi:10.1097/01.wco.0000113934.12823.3f.	
	Graf EW, Warren PA, Maloney LT (2005). Explicit estimation of visual uncertainty in human motion processing. Vision Res <b>45</b> (24):3050-3059. doi:10.1016/j.visres.2005.08.007.	
	Isotalo E, Lasker AG, Zee DS (2005). Cognitive influences on predictive saccadic tracking. Exp BRAIN Res <b>165</b> (4):461-469. doi:10.1007/s00221-005-2317-7.	
	Beruete M, Sorolla M, Campillo I, Dolado JS (2005). Subwavelength slotted corrugated plate with enhanced quasi-optical millimeter wave transmission. IEEE Microw Wirel COMPONENTS Lett <b>15</b> (4):286-288. doi:10.1109/LMWC.2005.845753.	
	von Hofsten C (2005). The development of prospective control in tracking a moving object. In: Rieser, JJ and Lockman, JJ and Nelson, CA, ed. <i>ACTION AS AN ORGANIZER OF LEARNING AND DEVELOPMENT</i> Vol 33. Minnesota Symposia on Child Psychology. p. 51+	
	Burke MR, Barnes GR (2006). Quantitative differences in smooth pursuit and saccadic eye movements. Exp BRAIN Res <b>175</b> (4):596-608. doi:10.1007/s00221-006-0576-6.	
	Blohm G, Optican LM, Lefevre P (2006). A model that integrates eye velocity commands to keep track of smooth eye displacements. J Comput Neurosci <b>21</b> (1):51-70. doi:10.1007/s10827-006-7199-6.	
	Nagel M, Sprenger A, Zapf S, Erdmann C, Kompf D, Heide W, Binkofski F, Lencer R (2006). Parametric modulation of cortical activation during smooth pursuit with and without target blanking. An fMRI study. Neuroimage <b>29</b> (4):1319-1325. doi:10.1016/j.neuroimage.2005.08.050.	



Bennett SJ, Barnes GR (2006). Combined smooth and saccadic ocular pursuit during the transient occlusion of a moving visual object. <i>Exp BRAIN Res</i> <b>168</b> (3):313-321. doi:10.1007/s00221-005-0101-3.
de Xivry JJO, Bennett SJ, Lefevre P, Barnes GR (2006). Evidence for synergy between saccades and smooth pursuit during transient target disappearance. <i>J Neurophysiol</i> <b>95</b> (1):418-427. doi:10.1152/jn.00596.2005.
von Hofsten C, Kochukhova O, Rosander K (2007). Predictive tracking over occlusions by 4-month-old infants. <i>Dev Sci</i> <b>10</b> (5):625-640. doi:10.1111/j.1467-7687.2007.00604.x.
Voss HU, McCandliss BD, Ghajar J, Suh M (2007). A quantitative synchronization model for smooth pursuit target tracking. <i>Biol Cybern</i> <b>96</b> (3):309-322. doi:10.1007/s00422-006-0116-2.
von Hofsten C (2007). Action in development. <i>Dev Sci</i> <b>10</b> (1):54-60. doi:10.1111/j.1467-7687.2007.00564.x.
Nagel M, Sprenger A, Nitschke M, Zapf S, Heide W, Binkofski F, Lencer R (2007). Different extraretinal neuronal mechanisms of smooth pursuit eye movements in schizophrenia: An fMRI study. <i>Neuroimage</i> <b>34</b> (1):300-309. doi:10.1016/j.neuroimage.2006.08.025.
Braun DI, Mennie N, Rasche C, Schuetz AC, Hawken MJ, Gegenfurtner KR (2008). Smooth pursuit eye movements to isoluminant targets. <i>J Neurophysiol</i> <b>100</b> (3):1287-1300. doi:10.1152/jn.00747.2007.
Cassanello CR, Nihalani AT, Ferrera VP (2008). Neuronal responses to moving targets in monkey frontal eye fields. <i>J Neurophysiol</i> <b>100</b> (3):1544-1556. doi:10.1152/jn.01401.2007.
Makin ADJ, Poliakoff E, Chen J, Stewart AJ (2008). The effect of previously viewed velocities on motion extrapolation. <i>Vision Res</i> <b>48</b> (18):1884-1893. doi:10.1016/j.visres.2008.05.023.
Nagel M, Sprenger A, Hohagen F, Binkofski F, Lencer R (2008). Cortical mechanisms of retinal and extraretinal smooth pursuit eye movements to different target velocities. <i>Neuroimage</i> <b>41</b> (2):483-492. doi:10.1016/j.neuroimage.2008.02.058.
Barnes GR, Collins CJS (2008). The influence of briefly presented randomized target motion on the extraretinal component of ocular pursuit. <i>J Neurophysiol</i> <b>99</b> (2):831-842. doi:10.1152/jn.01033.2007.
de Xivry J-JO, Missal M, Lefevre P (2008). A dynamic representation of target motion drives predictive smooth pursuit during target blanking. <i>J Vis</i> <b>8</b> (15). doi:10.1167/8.15.6.
Fu P, Chang R, O'Beirne K, King WM (2008). Predictive disjunctive pursuit of virtual images perceived to move in depth. In: Kennard, C and Leigh, RJ, ed. <i>USING EYE MOVEMENTS AS AN EXPERIMENTAL PROBE OF BRAIN FUNCTION - A SYMPOSIUM IN HONOR OF JEAN BUTTNER-ENNEVER</i> Vol 171. Progress in Brain Research. pp. 451-457 doi:10.1016/S0079-6123(08)00666-3.
Makin ADJ, Poliakoff E, El-Deredy W (2009). Tracking visible and occluded targets: Changes in event related potentials during motion extrapolation. <i>Neuropsychologia</i> <b>47</b> (4):1128-1137. doi:10.1016/j.neuropsychologia.2009.01.010.
Dessing JC, Oostwoud Wijdenes L, Peper C (Lieke) E, Beek PJ (2009). Adaptations of lateral hand movements to early and late visual occlusion in catching. <i>Exp BRAIN Res</i> <b>192</b> (4):669-682. doi:10.1007/s00221-008-1588-1.
Cerminara NL, Apps R, Marple-Horvat DE (2009). An internal model of a moving visual target in the lateral cerebellum. <i>J Physiol</i> <b>587</b> (2):429-442. doi:10.1113/jphysiol.2008.163337.
de Xivry J-JO, Missal M, Lefevre P (2009). Smooth pursuit performance during target blanking does not influence the triggering of predictive saccades. <i>J Vis</i> <b>9</b> (11). doi:10.1167/9.11.7.

Badler J, Lefevre P, Missal M (2010). Causality Attribution Biases Oculomotor Responses. <i>J Neurosci</i> <b>30</b> (31):10517-10525. doi:10.1523/JNEUROSCI.1733-10.2010.
Bennett SJ, de Xivry J-JO, Lefevre P, Barnes GR (2010). Oculomotor prediction of accelerative target motion during occlusion: long-term and short-term effects. <i>Exp BRAIN Res</i> <b>204</b> (4):493-504. doi:10.1007/s00221-010-2313-4.
Levy DL, Sereno AB, Gooding DC, O'Driscoll GA (2010). Eye Tracking Dysfunction in Schizophrenia: Characterization and Pathophysiology. In: Swerdlow, NR, ed. <i>BEHAVIORAL NEUROBIOLOGY OF SCHIZOPHRENIA AND ITS TREATMENT</i> Vol 4. Current Topics in Behavioral Neurosciences. pp. 311-347 doi:10.1007/7854_2010_60.
Harris LR, Jenkin M, Jenkin H, Dyde R, Zacher J, Allison RS (2010). The unassisted visual system on earth and in space. <i>J Vestib Res Orientat</i> <b>20</b> (1-2):25-30. doi:10.3233/VES-2010-0352.
Etchells PJ, Benton CP, Ludwig CJH, Gilchrist ID (2010). The target velocity integration function for saccades. <i>J Vis</i> <b>10</b> (6). doi:10.1167/10.6.7.
Niebergall R, Khayat PS, Treue S, Martinez-Trujillo JC (2011). Expansion of MT Neurons Excitatory Receptive Fields during Covert Attentive Tracking. <i>J Neurosci</i> <b>31</b> (43):15499-15510. doi:10.1523/JNEUROSCI.2822-11.2011.
Fukushima J, Akao T, Shichinohe N, Kurkin S, Kaneko CRS, Fukushima K (2011). Neuronal Activity in the Caudal Frontal Eye Fields of Monkeys during Memory-Based Smooth Pursuit Eye Movements: Comparison with the Supplementary Eye Fields. <i>Cereb CORTEX</i> <b>21</b> (8):1910-1924. doi:10.1093/cercor/bhq261.
Ackerley R, Barnes GR (2011). Extraction of visual motion information for the control of eye and head movement during head-free pursuit. <i>Exp BRAIN Res</i> <b>210</b> (3-4):569-582. doi:10.1007/s00221-011-2566-6.
Mahaffy S, Krauzlis RJ (2011). Neural activity in the frontal pursuit area does not underlie pursuit target selection. <i>Vision Res</i> <b>51</b> (8, SI):853-866. doi:10.1016/j.visres.2010.10.010.
Coppe S, de Xivry J-JO, Yuksel D, Ivanoiu A, Lefevre P (2012). Dramatic impairment of prediction due to frontal lobe degeneration. <i>J Neurophysiol</i> <b>108</b> (11):2957-2966. doi:10.1152/jn.00582.2012.
Bosco G, Delle Monache S, Lacquaniti F (2012). Catching What We Can't See: Manual Interception of Occluded Fly-Ball Trajectories. <i>PLoS One</i> <b>7</b> (11). doi:10.1371/journal.pone.0049381.
Hayhoe MM, McKinney T, Chajka K, Pelz JB (2012). Predictive eye movements in natural vision. <i>Exp BRAIN Res</i> <b>217</b> (1):125-136. doi:10.1007/s00221-011-2979-2.
Fleuriet J, Goffart L (2012). Saccadic Interception of a Moving Visual Target after a Spatiotemporal Perturbation. <i>J Neurosci</i> <b>32</b> (2):452-461. doi:10.1523/JNEUROSCI.3896-11.2012.
de Xivry J-JO, Coppe S, Blohm G, Lefevre P (2013). Kalman Filtering Naturally Accounts for Visually Guided and Predictive Smooth Pursuit Dynamics. <i>J Neurosci</i> <b>33</b> (44):17301-17313. doi:10.1523/JNEUROSCI.2321-13.2013.
Diaz G, Cooper J, Hayhoe M (2013). Memory and prediction in natural gaze control. <i>Philos Trans R Soc B-BIOLOGICAL Sci</i> <b>368</b> (1628). doi:10.1098/rstb.2013.0064.
Ito N, Barnes GR, Fukushima J, Fukushima K, Warabi T (2013). Cue-dependent memory-based smooth-pursuit in normal human subjects: importance of extra-retinal mechanisms for initial pursuit. <i>Exp BRAIN Res</i> <b>229</b> (1):23-35. doi:10.1007/s00221-013-3586-1.
Murdison TS, Pare-Bingley CA, Blohm G (2013). Evidence for a retinal velocity memory underlying the direction of anticipatory smooth pursuit eye movements. <i>J Neurophysiol</i> <b>110</b> (3):732-747. doi:10.1152/jn.00991.2012.

Bennett SJ, Benguigui N (2013). Is Acceleration Used for Ocular Pursuit and Spatial Estimation during Prediction Motion? *PLoS One* **8**(5). doi:10.1371/journal.pone.0063382.

Fiset S, Plourde V (2013). Object Permanence in Domestic Dogs (*Canis lupus familiaris*) and Gray Wolves (*Canis lupus*). *J Comp Psychol* **127**(2):115-127. doi:10.1037/a0030595.

Mayo JP, Sommer MA (2013). Neuronal correlates of visual time perception at brief timescales. *Proc Natl Acad Sci U S A* **110**(4):1506-1511. doi:10.1073/pnas.1217177110.

Battaglini L, Campana G, Casco C (2013). Illusory speed is retained in memory during invisible motion. *Iperception* **4**(3):180-191. doi:10.1068/i0562.

Bogadhi AR, Montagnini A, Masson GS (2013). Dynamic interaction between retinal and extraretinal signals in motion integration for smooth pursuit. *J Vis* **13**(13). doi:10.1167/13.13.5.

von Hofsten C (2013). Action in Infancy: A Foundation for Cognitive Development. In: Prinz, W and Beisert, M and Herwig, A, ed. *ACTION SCIENCE: FOUNDATIONS OF AN EMERGING DISCIPLINE* pp. 255-279

Diaz G, Cooper J, Rothkopf C, Hayhoe M (2013). Saccades to future ball location reveal memory-based prediction in a virtual-reality interception task. *J Vis* **13**(1). doi:10.1167/13.1.20.

Opris L, Ferrera VP (2014). Modifying cognition and behavior with electrical microstimulation: Implications for cognitive prostheses. *Neurosci Biobehav Rev* **47**:321-335. doi:10.1016/j.neubiorev.2014.09.003.

Kosovicheva AA, Wolfe BA, Whitney D (2014). Visual motion shifts saccade targets. *Atten Percept Psychophys* **76**(6):1778-1788. doi:10.3758/s13414-014-0680-9.

Fukushima K, Barnes GR, Ito N, Olley PM, Warabi T (2014). Normal aging affects movement execution but not visual motion working memory and decision-making delay during cue-dependent memory-based smooth-pursuit. *Exp BRAIN Res* **232**(7):2369-2379. doi:10.1007/s00221-014-3933-x.

Fine JM, Ward KL, Amazeen EL (2014). Manual coordination with intermittent targets: Velocity information for prospective control. *Acta Psychol (Amst)* **149**(SI):24-31. doi:10.1016/j.actpsy.2014.02.012.

Kurkin S, Akao T, Fukushima J, Shichinohe N, Kaneko CRS, Belton T, Fukushima K (2014). No-go neurons in the cerebellar oculomotor vermis and caudal fastigial nuclei: planning tracking eye movements. *Exp BRAIN Res* **232**(1):191-210. doi:10.1007/s00221-013-3731-x.

Mayo JP, DiTomasso AR, Sommer MA, Smith MA (2015). Dynamics of visual receptive fields in the macaque frontal eye field. *J Neurophysiol* **114**(6):3201-3210. doi:10.1152/jn.00746.2015.

Mackrout I, Simoneau M (2015). IMPROVING SPATIAL UPDATING ACCURACY IN ABSENCE OF EXTERNAL FEEDBACK. *Neuroscience* **300**:155-162. doi:10.1016/j.neuroscience.2015.05.024.

Bosco G, Delle Monache S, Gravano S, Indovina I, La Scaleia B, Maffei V, Zago M, Lacquaniti F (2015). Filling gaps in visual motion for target capture. *Front Integr Neurosci* **9**. doi:10.3389/tnint.2015.00013.

Delle Monache S, Lacquaniti F, Bosco G (2015). Eye movements and manual interception of ballistic trajectories: effects of law of motion perturbations and occlusions. *Exp BRAIN Res* **233**(2):359-374. doi:10.1007/s00221-014-4120-9.

Ego C, Bonhomme L, de Xivry J-JO, Da Fonseca D, Lefevre P, Masson GS, Deruelle C (2016). Behavioral characterization of prediction and internal models in adolescents with autistic spectrum disorders. *Neuropsychologia* **91**:335-345. doi:10.1016/j.neuropsychologia.2016.08.021.

	Battaglini L, Casco C (2016). Contribution of Visuospatial and Motion-Tracking to Invisible Motion. <i>Front Psychol</i> <b>7</b> . doi:10.3389/fpsyg.2016.01369.	
	De Freitas J, Myers NE, Nobre AC (2016). Tracking the changing feature of a moving object. <i>J Vis</i> <b>16</b> (3). doi:10.1167/16.3.22.	
	Ego C, Yuksel D, de Xivry J-JO, Lefevre P (2016). Development of internal models and predictive abilities for visual tracking during childhood. <i>J Neurophysiol</i> <b>115</b> (1):301-309. doi:10.1152/jn.00534.2015.	
MIHAILESCU IN, CHITICA N, NISTOR LC, POPESCU M, TEODORESCU VS, URSU I, ANDREI A, BARBORICA A, LUCHES A, DEGIORGI ML, PERRONE A, DUBREUIL B, HERMANN J (1993). DEPOSITION OF HIGH-QUALITY TIN FILMS BY EXCIMER-LASER ABLATION IN REACTIVE GAS. <i>J Appl Phys</i> <b>74</b> (9):5781-5789. doi:10.1063/1.354198.	Liang P, Yang X, Li H, Cai H, Sun J, Xu N, Wu J (2015). Study on re-sputtering during CNx film deposition through spectroscopic diagnostics of plasma. <i>Phys Plasmas</i> <b>22</b> (10). doi:10.1063/1.4932326.	0.32795
	Hoeche D, Kaspar J, Schaaf P (2015). Laser nitriding and carburization of materials. In: Lawrence, J and Waugh, DG, ed. <i>LASER SURFACE ENGINEERING: PROCESSES AND APPLICATIONS</i> Woodhead Publishing Series in Electronic and Optical Materials. pp. 33-58 doi:10.1016/B978-1-78242-074-3.00002-7.	
	Hoeche D, Schaaf P (2011). Laser nitriding: investigations on the model system TiN. A review. <i>HEAT MASS Transf</i> <b>47</b> (5):519-540. doi:10.1007/s00231-010-0742-z.	
	Krishnan R, Mathews T, Balamurugan AK, Dash S, Tyagi AK, Raj B, Jayaram V (2010). Reactive Pulsed Laser Deposition of titanium nitride thin film: Optimization of process parameters using Secondary Ion Mass Spectrometry. <i>Appl Surf Sci</i> <b>256</b> (10):3077-3080. doi:10.1016/j.apsusc.2009.11.076.	
	Carpene E, Hoeche D, Schaaf P (2010). Fundamentals of Laser-Material Interactions. In: Schaaf, P, ed. <i>LASER PROCESSING OF MATERIALS: FUNDAMENTALS, APPLICATIONS AND DEVELOPMENTS</i> Vol 139. Springer Series in Materials Science. pp. 21-47	
	Kim SH, Park H, Lee KH, Jee SH, Kim D-J, Yoon YS, Chae HB (2009). Structure and mechanical properties of titanium nitride thin films grown by reactive pulsed laser deposition. <i>J Ceram Process Res</i> <b>10</b> (1):49-53.	
	Hegazy H, Sharkawy H, El Sherbini TM (2007). Use of spectral lines of a pure Ti target for the spectroscopic diagnostics of the laser induced plasma in vacuum. In: ElNadi, L, ed. <i>MTPR-06: Modern Trends in Physics Research</i> Vol 888. AIP CONFERENCE PROCEEDINGS. pp. 152-159	
	Schaaf P, Kahle M, Carpen E (2005). Reactive laser synthesis of carbides and nitrides. <i>Appl Surf Sci</i> <b>247</b> (1-4):607-615. doi:10.1016/j.apsusc.2005.01.128.	
	Bereznai M, Toth Z, Caricato AP, Fernandez M, Luches A, Majni G, Mengucci P, Nagy PM, Juhasz A, Nanai L (2005). Reactive pulsed laser deposition of thin molybdenum- and tungsten-nitride films. <i>Thin Solid Films</i> <b>473</b> (1):16-23. doi:10.1016/j.tsf.2004.06.149.	

D'Anna E, Fernandez M, Leggieri G, Luches A, Zocco A, Majni G (2004). Titanium carbide film deposition on silicon wafers by pulsed KrF laser ablation of titanium in low-pressure CH <sub>4</sub> and C <sub>2</sub> H <sub>2</sub> atmospheres. <i>Eur Phys JOURNAL-APPLIED Phys</i> <b>28</b> (2):159-163. doi:10.1051/epjap:2004174.
Perrone A (2002). State-of-the-art reactive pulsed laser deposition of nitrides. <i>JAPANESE J Appl Phys PART 1-REGULAR Pap Br Commun Rev Pap</i> <b>41</b> (4A):2163-2170. doi:10.1143/JJAP.41.2163.
Acquaviva S, De Giorgi ML (2002). High-resolution investigations of C-2 and CN optical emissions in laser-induced plasmas during graphite ablation. <i>J Phys B-ATOMIC Mol Opt Phys</i> <b>35</b> (4):795-806. doi:10.1088/0953-4075/35/4/304.
D'Anna E, Di Cristoforo A, Fernandez M, Leggieri G, Luches A, Majni G, Mengucci P, Nanai L (2002). Excimer laser reactive deposition of vanadium nitride thin films. <i>Appl Surf Sci</i> <b>186</b> (1-4):496-501. doi:10.1016/S0169-4332(01)00757-7.
Schaaf P (2002). Laser nitriding of metals. <i>Prog Mater Sci</i> <b>47</b> (1):1-161. doi:10.1016/S0079-6425(00)00003-7.
Hirai M, Ueno Y, Suzuki T, Jiang WH, Grigoriu C, Yatsui K (2001). Characteristics of CrN films prepared by pulsed laser deposition. <i>JAPANESE J Appl Phys PART 1-REGULAR Pap SHORT NOTES Rev Pap</i> <b>40</b> (2B):1052-1055. doi:10.1143/JJAP.40.1052.
Sharma AK, Thareja RK (2000). Pulsed laser ablation of aluminum in the presence of nitrogen: Formation of aluminum nitride. <i>J Appl Phys</i> <b>88</b> (12):7334-7338. doi:10.1063/1.1329353.
Acquaviva S, Fernandez M, Leggieri G, Luches A, Martino M, Perrone A (2000). Pulsed laser deposition of thin films on large substrates. In: Pustovoy, VI and Konov, VI, ed. <i>ALT'99 INTERNATIONAL CONFERENCE ON ADVANCED LASER TECHNOLOGIES Vol 4070. PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE)</i> . pp. 215-219 doi:10.1117/12.378157.
Fabian L, Nanai L, Martino M, Luches A, Mihailescu IN (2000). Synthesis of metal-nitride films by Pulsed Laser Deposition methods. In: Pustovoy, VI and Konov, VI, ed. <i>ALT'99 INTERNATIONAL CONFERENCE ON ADVANCED LASER TECHNOLOGIES Vol 4070. PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE)</i> . pp. 317-322 doi:10.1117/12.378174.
Neamtu J, Steinbrecker G, Ristoscu C, Mihailescu IN (2000). Numerical description of the interactions between plasma and high-intensity UV laser pulses of ns duration. In: Pustovoy, VI and Konov, VI, ed. <i>ALT'99 INTERNATIONAL CONFERENCE ON ADVANCED LASER TECHNOLOGIES Vol 4070. PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE)</i> . pp. 351-356 doi:10.1117/12.378179.
Mihailescu IN, Gyorgy E, Teodorescu VS, Steinbrecher G, Neamtu J, Perrone A, Luches A (1999). Characteristic features of the laser radiation-target interactions during reactive pulsed laser ablation of Si targets in ammonia. <i>J Appl Phys</i> <b>86</b> (12):7123-7128. doi:10.1063/1.371801.
Acquaviva S, Fernandez M, Leggieri G, Luches A, Martino M, Perrone A (1999). Pulsed laser ablation deposition of thin films on large substrates. <i>Appl Phys A-MATERIALS Sci Process</i> <b>69</b> (S):S471-S474. doi:10.1007/s003390051442.
Neamtu J, Mihailescu IN, Ristoscu C, Hermann J (1999). Theoretical modelling of phenomena in the pulsed-laser deposition process: Application to Ti targets ablation in low-pressure N(2). <i>J Appl Phys</i> <b>86</b> (11):6096-6106. doi:10.1063/1.371659.

Vivien C, Hermann J, Perrone A, Boulmer-Leborgne C (1999). A study of molecule formation during laser ablation of graphite in low-pressure ammonia. <i>J Phys D-APPLIED Phys</i> <b>32</b> (4):518-528. doi:10.1088/0022-3727/32/4/022.
Mihailescu IN, Gyorgy E, Marin G, Popescu M, Teodorescu VS, Van Landuyt J, Grivas C, Hatzia Apostolou A (1999). Crystalline structure of very hard tungsten carbide thin films obtained by reactive pulsed laser deposition. <i>J Vac Sci Technol A-VACUUM SURFACES Film</i> <b>17</b> (1):249-255. doi:10.1116/1.581579.
Neamtu J, Mihailescu IN, Ristoscu C, Sarpe C (1999). Studies of heat transfer and propagation of plumes in laser reactive ablation of a Ti target in low pressure N-2. In: Atansov, PA and Stoyanov, DV, ed. <i>TENTH INTERNATIONAL SCHOOL ON QUANTUM ELECTRONICS: LASER PHYSICS AND APPLICATIONS</i> Vol 3571. PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE). pp. 339-343 doi:10.1117/12.347647.
Mihailescu IN, Teodorescu VS, Gyorgy E, Luches A, Perrone A, Martino M (1998). About the nature of particulates covering the surface of thin films obtained by reactive pulsed laser deposition. <i>J Phys D-APPLIED Phys</i> <b>31</b> (18):2236-2240. doi:10.1088/0022-3727/31/18/006.
Hermann J, Vivien C, Carricato AP, Boulmer-Leborgne C (1998). A spectroscopic study of laser ablation plasmas from Ti, Al and C targets. <i>Appl Surf Sci</i> <b>127</b> :645-649. doi:10.1016/S0169-4332(97)00719-8.
Chitica N, Gyorgy E, Lita A, Marin G, Mihailescu IN, Pantelica D, Petrascu M, Hatzia Apostolou A, Grivas C, Broll N, Cornet A, Mirica C, Andrei A (1997). Synthesis of tungsten carbide thin films by reactive pulsed laser deposition. <i>Thin Solid Films</i> <b>301</b> (1-2):71-76. doi:10.1016/S0040-6090(97)00001-1.
Teodorescu VS, Mihailescu IN, Gyorgy E, Luches A, Martino M, Nistor LC, vanLanduyt J, Hermann J (1996). The study of a crater forming on the surface of a Ti target submitted to multipulse excimer laser irradiation under low pressure N-2. <i>J Mod Opt</i> <b>43</b> (9):1773-1784.
Chitica N, Lita A, Marin G, Mihailescu IN, Popescu M, Grivas C, Hatzia Apostolou A (1996). X-ray photoelectron spectroscopy of solid films of tungsten and titanium carbonitride produced by reactive laser ablation. <i>J Phys IV</i> <b>6</b> (C4):461-465. doi:10.1051/jp4:1996442.
Mihailescu IN, Lita A, Teodorescu VS, Luches A, Martino M, Perrone A, Gartner M (1996). Pulsed laser deposition of silicon nitride thin films by laser ablation of a Si target in low pressure ammonia. <i>J Mater Sci</i> <b>31</b> (11):2839-2847. doi:10.1007/BF00355991.
Mihailescu IN, Gyorgy E, Chitica N, Teodorescu VS, Mavin G, Luches A, Perrone A, Martino M (1996). A parametric study of the deposition of the TIN thin films by laser reactive ablation of titanium targets in nitrogen: The roles of the total gas pressure and the contaminations with oxides. <i>J Mater Sci</i> <b>31</b> (11):2909-2915. doi:10.1007/BF00356001.
Mihailescu IN, Gyorgy E, Popescu M, Csutak SM, Marin G, Teodorescu VS, Ursu I, Luches A, Martino M, Perrone A (1996). Laser ablation in a reactive atmosphere: Application to the synthesis and deposition performance of titanium carbide thin films. <i>Opt Eng</i> <b>35</b> (6):1652-1655. doi:10.1117/1.600732.
Belouet C (1996). Thin film growth by the pulsed laser assisted deposition technique. <i>Appl Surf Sci</i> <b>96-8</b> :630-642. doi:10.1016/0169-4332(95)00535-8.

	Weaver GC, Leone SR (1996). Fragmentation and recombination of molecules during laser vaporization of cryogenic films. <i>J Phys Chem</i> <b>100</b> (10):4188-4192. doi:10.1021/jp952717s.	
	DWIVEDI RK, THAREJA RK (1995). LASER-ABLATED CARBON PLASMAS - EMISSION-SPECTROSCOPY AND THIN-FILM GROWTH. <i>Surf Coat Technol</i> <b>73</b> (3):170-176. doi:10.1016/0257-8972(94)02380-8.	
	LEGGIERI G, LUCHES A, PERRONE A, MAJNI G, MENGUCCI P (1995). LASER REACTIVE ABLATION DEPOSITION OF TIC FILMS. <i>Vacuum</i> <b>46</b> (8-10):991-995. doi:10.1016/0042-207X(95)00090-9.	
	HERMANN J, THOMANN AL, BOULMERLEBORGNE C, DUBREUIL B, DEGIORGI ML, PERRONE A, LUCHES A, MIHAILESCU IN (1995). PLASMA DIAGNOSTICS IN PULSED-LASER TIN LAYER DEPOSITION. <i>J Appl Phys</i> <b>77</b> (7):2928-2936. doi:10.1063/1.358708.	
	LEGGIERI G, LUCHES A, MARTINO M, PERRONE A, MAJNI G, MENGUCCI P, MIHAILESCU IN (1995). LASER REACTIVE ABLATION DEPOSITION OF TITANIUM CARBIDE FILMS. <i>Thin Solid Films</i> <b>258</b> (1-2):40-45. doi:10.1016/0040-6090(94)06330-3.	
	DEGIORGI ML, LEGGIERI G, LUCHES A, MARTINO M, PERRONE A, MAJNI G, MENGUCCI P, ZEMEK J, MIHAILESCU IN (1995). LASER-REACTIVE ABLATION DEPOSITION OF SILICON-NITRIDE FILMS. <i>Appl Phys A-MATERIALS Sci Process</i> <b>60</b> (3):275-283. doi:10.1007/s003390050099.	
	DANNA E, LEGGIERI G, LUCHES A, MARTINO M, PERRONE A, MAJNI G, MENGUCCI P, ALEXANDRESCU R, MIHAILESCU IN, ZEMEK J (1995). EXCIMER-LASER REACTIVE ABLATION DEPOSITION OF SILICON-NITRIDE FILMS. <i>Appl Surf Sci</i> <b>86</b> (1-4):170-174. doi:10.1016/0169-4332(94)00375-0.	
	MIHAILESCU IN, CHITICA N, LITA A, TEODORESCU VS, LUCHES A, LEGGIERI G, MARTINO M, MAJNI G, MENGUCCI P (1994). SIMULTANEOUS FORMATION OF TITANIUM NITRIDE AND TITANIUM SILICIDE IN A ONE-STEP PROCESS IN HETEROGENEOUS PHASE DURING MULTIPULSE LASER TREATMENT OF A SI WAFER WITH A THIN TI COATING IN SUPERATMOSPHERIC N2. <i>Thin Solid Films</i> <b>251</b> (1):23-29. doi:10.1016/0040-6090(94)90835-4.	
	JACKSON TJ, PALMER SB (1994). OXIDE SUPERCONDUCTOR AND MAGNETIC METAL THIN-FILM DEPOSITION BY PULSED-LASER ABLATION - A REVIEW. <i>J Phys D-APPLIED Phys</i> <b>27</b> (8):1581-1594. doi:10.1088/0022-3727/27/8/001.	
	LUCHES A, LEGGIERI G, MARTINO M, PERRONE A, MAJNI G, MENGUCCI P, MIHAILESCU IN (1994). LASER REACTIVE ABLATION DEPOSITION OF NITRIDE FILMS. <i>Appl Surf Sci</i> <b>79-80</b> :244-249. doi:10.1016/0169-4332(94)90417-0.	
Opris I, Barborica A, Ferrera VP (2001). On the gap effect for saccades evoked by electrical microstimulation of frontal eye fields in monkeys. <i>Exp Brain Res</i> <b>138</b> (1):1-7.	Opris I, Casanova MF (2014). Prefrontal cortical minicolumn: from executive control to disrupted cognitive processing. <i>Brain</i> <b>137</b> (Pt 7):1863-1875. doi:10.1093/brain/awt359.	0.193789
	Opris L, Ferrera VP (2014). Modifying cognition and behavior with electrical microstimulation: Implications for cognitive prostheses. <i>Neurosci Biobehav Rev</i> <b>47</b> :321-335. doi:10.1016/j.neubiorev.2014.09.003.	
	Cassanello CR, Nihalani AT, Ferrera VP (2008). Neuronal responses to moving targets in monkey frontal eye fields. <i>J Neurophysiol</i> <b>100</b> (3):1544-1556. doi:10.1152/jn.01401.2007.	
	Antoniades CA, FitzGerald JJ (2016). Using Saccadometry with Deep Brain Stimulation to Study Normal and Pathological Brain Function. <i>JOVE-JOURNAL Vis Exp</i> (113). doi:10.3791/53640.	

Lehmann SJ, Corneil BD (2016). Transient Pupil Dilation after Subsaccadic Microstimulation of Primate Frontal Eye Fields. <i>J Neurosci</i> <b>36</b> (13):3765-3776. doi:10.1523/JNEUROSCI.4264-15.2016.
Ohmae S, Takahashi T, Lu X, Nishimori Y, Kodaka Y, Takashima I, Kitazawa S (2015). Decoding the timing and target locations of saccadic eye movements from neuronal activity in macaque oculomotor areas. <i>J Neural Eng</i> <b>12</b> (3). doi:10.1088/1741-2560/12/3/036014.
Opris I, Fuqua JL, Gerhardt GA, Hampson RE, Deadwyler SA (2015). Prefrontal cortical recordings with biomorphic MEAs reveal complex columnar-laminar microcircuits for BCI/BMI implementation. <i>J Neurosci Methods</i> <b>244</b> (SI):104-113. doi:10.1016/j.jneumeth.2014.05.029.
Hardwick DR, Cutmore TRH, Hine TJ (2014). The Influence of Attention and Target Identification on Saccadic Eye Movements Depends on Prior Target Location. <i>J Ophthalmol</i> . doi:10.1155/2014/850606.
Chapman BB, Corneil BD (2014). Short-duration stimulation of the supplementary eye fields perturbs anti-saccade performance while potentiating contralateral head orienting. <i>Eur J Neurosci</i> <b>39</b> (2):295-307. doi:10.1111/ejn.12403.
Oezuyurt J, Greenlee MW (2011). Neural correlates of inter- and intra-individual saccadic reaction time differences in the gap/overlap paradigm. <i>J Neurophysiol</i> <b>105</b> (5):2438-2447. doi:10.1152/jn.00660.2009.
Ferrera VP, Yanike M, Cassanello C (2009). Frontal eye field neurons signal changes in decision criteria. <i>Nat Neurosci</i> <b>12</b> (11):1458-1462. doi:10.1038/nn.2434.
Stevenson SA, Elsley JK, Corneil BD (2009). A "Gap Effect" on Stop Signal Reaction Times in a Human Saccadic Countermanding Task. <i>J Neurophysiol</i> <b>101</b> (2):580-590. doi:10.1152/jn.90891.2008.
Johnston K, Everling S (2008). Neurophysiology and neuroanatomy of reflexive and voluntary saccades in non-human primates. <i>BRAIN Cogn</i> <b>68</b> (3):271-283. doi:10.1016/j.bandc.2008.08.017.
Elsley JK, Nagy B, Cushing SL, Corneil BD (2007). Widespread presaccadic recruitment of neck muscles by stimulation of the primate frontal eye fields. <i>J Neurophysiol</i> <b>98</b> (3):1333-1354. doi:10.1152/jn.00386.2007.
Cassanello CR, Ferrera VP (2007). Computing vector differences using a gain field-like mechanism in monkey frontal eye field. <i>J Physiol</i> <b>582</b> (2):647-664. doi:10.1113/jphysiol.2007.128801.
Rolfs M, Vitu F (2007). On the limited role of target onset in the gap task: Support for the motor-preparation hypothesis. <i>J Vis</i> <b>7</b> (10). doi:10.1167/7.10.7.
van den Berg A V, van Loon EM (2005). An invariant for timing of saccades during visual search. <i>Vision Res</i> <b>45</b> (12):1543-1555. doi:10.1016/j.visres.2004.12.018.
Dyckman K, McDowell J (2005). Behavioral plasticity of antisaccade performance following daily practice. <i>Exp BRAIN Res</i> <b>162</b> (1):63-69. doi:10.1007/s00221-004-2105-9.
Beintema JA, van Loon EM, van den Berg A V (2005). Manipulating saccadic decision-rate distributions in visual search. <i>J Vis</i> <b>5</b> (3):150-164. doi:10.1167/5.3.1.
Nyffeler T, Bucher O, Pflugshaupt T, von Wartburg R, Wurtz P, Hess CW, Muri RM (2004). Single-pulse transcranial magnetic stimulation over the frontal eye field can facilitate and inhibit saccade triggering. <i>Eur J Neurosci</i> <b>20</b> (8):2240-2244. doi:10.1111/j.1460-9568.2004.03667.x.
Dick S, Ostendorf F, Kraft A, Ploner CJ (2004). Saccades to spatially extended targets: the role of eccentricity. <i>Neuroreport</i> <b>15</b> (3):453-456. doi:10.1097/01.wnr.000010952773834.9f.



	<p>Tehovnik EJ, Slocum WA (2004). Behavioural state affects saccades elicited electrically from neocortex. <i>Neurosci Biobehav Rev</i> <b>28</b>(1):13-25. doi:10.1016/j.neubiorev.2003.10.001.</p> <p>Balan PF, Ferrera VP (2003). Effects of spontaneous eye movements on spatial memory in macaque periarculate cortex. <i>J Neurosci</i> <b>23</b>(36):11392-11401.</p> <p>Tehovnik EJ, Slocum WM, Carvey CE (2003). Behavioural state affects saccadic eye movements evoked by microstimulation of striate cortex. <i>Eur J Neurosci</i> <b>18</b>(4):969-979. doi:10.1046/j.1460-9568.2003.02798.x.</p> <p>Balan PF, Ferrera VP (2003). Effects of gaze shifts on maintenance of spatial memory in macaque frontal eye field. <i>J Neurosci</i> <b>23</b>(13):5446-5454.</p> <p>Tehovnik EJ, Slocum WM, Schiller PH (2002). Differential effects of laminar stimulation of V1 cortex on target selection by macaque monkeys. <i>Eur J Neurosci</i> <b>16</b>(4):751-760. doi:10.1046/j.1460-9568.2002.02123.x.</p>	
<p>Barborica A, Ferrera VP (2004). Modification of saccades evoked by stimulation of frontal eye field during invisible target tracking. <i>J Neurosci</i> <b>24</b>(13):3260-3267.</p>	<p>Juan CH, Shorter-Jacobi SM, Schall JD (2004). Dissociation of spatial attention and saccade preparation. <i>Proc Natl Acad Sci U S A</i> <b>101</b>(43):15541-15544. doi:10.1073/pnas.0403507101.</p> <p>de Xivry JJO, Bennett SJ, Lefevre P, Barnes GR (2006). Evidence for synergy between saccades and smooth pursuit during transient target disappearance. <i>J Neurophysiol</i> <b>95</b>(1):418-427. doi:10.1152/jn.00596.2005.</p> <p>Xiao Q, Barborica A, Ferrera VP (2007). Modulation of visual responses in macaque frontal eye field during covert tracking of invisible targets. <i>Cereb Cortex</i> <b>17</b>(4):918-928.</p> <p>Schafer RJ, Moore T (2007). Attention governs action in the primate frontal eye field. <i>Neuron</i> <b>56</b>(3):541-551. doi:10.1016/j.neuron.2007.09.029.</p> <p>Shuwairi SM, Curtis CE, Johnson SP (2007). Neural substrates of dynamic object occlusion. <i>J Cogn Neurosci</i> <b>19</b>(8):1275-1285. doi:10.1162/jocn.2007.19.8.1275.</p> <p>Wolbers T, Hegarty M, Buechel C, Loomis JM (2008). Spatial updating: how the brain keeps track of changing object locations during observer motion. <i>Nat Neurosci</i> <b>11</b>(10):1223-1230. doi:10.1038/nn.2189.</p> <p>Cassanello CR, Nihalani AT, Ferrera VP (2008). Neuronal responses to moving targets in monkey frontal eye fields. <i>J Neurophysiol</i> <b>100</b>(3):1544-1556. doi:10.1152/jn.01401.2007.</p> <p>de Xivry J-JO, Missal M, Lefevre P (2008). A dynamic representation of target motion drives predictive smooth pursuit during target blanking. <i>J Vis</i> <b>8</b>(15). doi:10.1167/8.15.6.</p> <p>Cerminara NL, Apps R, Marple-Horvat DE (2009). An internal model of a moving visual target in the lateral cerebellum. <i>J Physiol</i> <b>587</b>(2):429-442. doi:10.1113/jphysiol.2008.163337.</p> <p>de Xivry J-JO, Missal M, Lefevre P (2009). Smooth pursuit performance during target blanking does not influence the triggering of predictive saccades. <i>J Vis</i> <b>9</b>(11). doi:10.1167/9.11.7.</p> <p>Billino J, Braun DI, Boehm K-D, Bremmer F, Gegenfurtner KR (2009). Cortical networks for motion processing: Effects of focal brain lesions on perception of different motion types. <i>Neuropsychologia</i> <b>47</b>(10):2133-2144. doi:10.1016/j.neuropsychologia.2009.04.005.</p> <p>Ferrera VP, Barborica A (2010). Internally generated error signals in monkey frontal eye field during an inferred motion task. <i>J Neurosci</i> <b>30</b>(35):11612-11623.</p>	0.885714

Levy DL, Sereno AB, Gooding DC, O'Driscoll GA (2010). Eye Tracking Dysfunction in Schizophrenia: Characterization and Pathophysiology. In: Swerdlow, NR, ed. <i>BEHAVIORAL NEUROBIOLOGY OF SCHIZOPHRENIA AND ITS TREATMENT</i> Vol 4. Current Topics in Behavioral Neurosciences. pp. 311-347 doi:10.1007/7854_2010_60.
Etchells PJ, Benton CP, Ludwig CJH, Gilchrist ID (2010). The target velocity integration function for saccades. <i>J Vis</i> <b>10</b> (6). doi:10.1167/10.6.7.
Clark KL, Armstrong KM, Moore T (2011). Probing neural circuitry and function with electrical microstimulation. <i>Proc R Soc B-BIOLOGICAL Sci</i> <b>278</b> (1709):1121-1130. doi:10.1098/rspb.2010.2211.
Schlesinger M, Amso D, Johnson SP (2011). Increasing Spatial Competition Enhances Visual Prediction Learning. In: <i>2011 IEEE INTERNATIONAL CONFERENCE ON DEVELOPMENT AND LEARNING (ICDL)</i>
Ramakrishnan A, Sureshbabu R, Murthy A (2012). Understanding How the Brain Changes Its Mind: Microstimulation in the Macaque Frontal Eye Field Reveals How Saccade Plans Are Changed. <i>J Neurosci</i> <b>32</b> (13):4457-4472. doi:10.1523/JNEUROSCI.3668-11.2012.
Coppe S, de Xivry J-JO, Yuksel D, Ivanoiu A, Lefevre P (2012). Dramatic impairment of prediction due to frontal lobe degeneration. <i>J Neurophysiol</i> <b>108</b> (11):2957-2966. doi:10.1152/jn.00582.2012.
Fleuriet J, Goffart L (2012). Saccadic Interception of a Moving Visual Target after a Spatiotemporal Perturbation. <i>J Neurosci</i> <b>32</b> (2):452-461. doi:10.1523/JNEUROSCI.3896-11.2012.
de Xivry J-JO, Coppe S, Blohm G, Lefevre P (2013). Kalman Filtering Naturally Accounts for Visually Guided and Predictive Smooth Pursuit Dynamics. <i>J Neurosci</i> <b>33</b> (44):17301-17313. doi:10.1523/JNEUROSCI.2321-13.2013.
Murdison TS, Pare-Bingley CA, Blohm G (2013). Evidence for a retinal velocity memory underlying the direction of anticipatory smooth pursuit eye movements. <i>J Neurophysiol</i> <b>110</b> (3):732-747. doi:10.1152/jn.00991.2012.
Fiset S, Plourde V (2013). Object Permanence in Domestic Dogs ( <i>Canis lupus familiaris</i> ) and Gray Wolves ( <i>Canis lupus</i> ). <i>J Comp Psychol</i> <b>127</b> (2):115-127. doi:10.1037/a0030595.
Monteon JA, Wang H, Martinez-Trujillo J, Crawford JD (2013). Frames of reference for eye-head gaze shifts evoked during frontal eye field stimulation. <i>Eur J Neurosci</i> <b>37</b> (11):1754-1765. doi:10.1111/ejn.12175.
Ma R, Cui H, Lee S-H, Anastasio TJ, Malpeli JG (2013). Predictive encoding of moving target trajectory by neurons in the parabigeminal nucleus. <i>J Neurophysiol</i> <b>109</b> (8):2029-2043. doi:10.1152/jn.01032.2012.
Opris L, Ferrera VP (2014). Modifying cognition and behavior with electrical microstimulation: Implications for cognitive prostheses. <i>Neurosci Biobehav Rev</i> <b>47</b> :321-335. doi:10.1016/j.neubiorev.2014.09.003.
Bosco G, Delle Monache S, Gravano S, Indovina I, La Scaleia B, Maffei V, Zago M, Lacquaniti F (2015). Filling gaps in visual motion for target capture. <i>Front Integr Neurosci</i> <b>9</b> . doi:10.3389/tnint.2015.00013.
Szinte M, Carrasco M, Cavanagh P, Rolfs M (2015). Attentional trade-offs maintain the tracking of moving objects across saccades. <i>J Neurophysiol</i> <b>113</b> (7):2220-2231. doi:10.1152/jn.00966.2014.
Cangelosi A, Schlesinger M (2015). Developmental Robotics: From Babies to Robots. In: <i>DEVELOPMENTAL ROBOTICS: FROM BABIES TO ROBOTS</i> Intelligent Robotics and Autonomous Agents. pp. 1-410
Lehmann SJ, Corneil BD (2016). Transient Pupil Dilation after Subsaccadic Microstimulation of Primate Frontal Eye Fields. <i>J Neurosci</i> <b>36</b> (13):3765-3776. doi:10.1523/JNEUROSCI.4264-15.2016.
De Freitas J, Myers NE, Nobre AC (2016). Tracking the changing feature of a moving object. <i>J Vis</i> <b>16</b> (3). doi:10.1167/16.3.22.

	Ego C, Yuksel D, de Xivry J-JO, Lefevre P (2016). Development of internal models and predictive abilities for visual tracking during childhood. <i>J Neurophysiol</i> <b>115</b> (1):301-309. doi:10.1152/jn.00534.2015.	
Opris I, Barborica A, Ferrera VP (2005). Microstimulation of the dorsolateral prefrontal cortex biases saccade target selection. <i>J Cogn Neurosci</i> <b>17</b> (6):893-904. <a href="http://www.ncbi.nlm.nih.gov/pubmed/15969908">http://www.ncbi.nlm.nih.gov/pubmed/15969908</a> .	<p>Tehovnik EJ, Tolias AS, Sultan F, Slocum WM, Logothetis NK (2006). Direct and indirect activation of cortical neurons by electrical microstimulation. <i>J Neurophysiol</i> <b>96</b>(2):512-521. doi:10.1152/jn.00126.2006.</p> <p>Liu J (2006). Understanding the neural correlates of visual perception: A survey of our toolbox. <i>Rev Neurosci</i> <b>17</b>(4):455-468.</p> <p>Tehovnik EJ, Slocum WM (2007). What delay fields tell us about striate cortex. <i>J Neurophysiol</i> <b>98</b>(2):559-576. doi:10.1152/jn.00285.2007.</p> <p>Hallett M (2007). Volitional control of movement: The physiology of free will. <i>Clin Neurophysiol</i> <b>118</b>(6):1179-1192. doi:10.1016/j.clinph.2007.03.019.</p> <p>Tehovnik EJ, Slocum WM (2007). Delaying forelimb responses by microstimulation of macaque V1. <i>Exp BRAIN Res</i> <b>178</b>(3):422-426. doi:10.1007/s00221-007-0915-2.</p> <p>Labudda K, Woermann FG, Mertens M, Pohlmann-Eden B, Markowitsch HJ, Brand M (2008). Neural correlates of decision making with explicit information about probabilities and incentives in elderly healthy subjects. <i>Exp BRAIN Res</i> <b>187</b>(4):641-650. doi:10.1007/s00221-008-1332-x.</p> <p>Murphey DK, Maunsell JHR (2008). Electrical microstimulation thresholds for behavioral detection and saccades in monkey frontal eye fields. <i>Proc Natl Acad Sci U S A</i> <b>105</b>(20):7315-7320. doi:10.1073/pnas.0710820105.</p> <p>Buschman TJ, Miller EK (2009). Serial, Covert Shifts of Attention during Visual Search Are Reflected by the Frontal Eye Fields and Correlated with Population Oscillations. <i>Neuron</i> <b>63</b>(3):386-396. doi:10.1016/j.neuron.2009.06.020.</p> <p>Mirpour K, Ong WS, Bisley JW (2010). Microstimulation of Posterior Parietal Cortex Biases the Selection of Eye Movement Goals During Search. <i>J Neurophysiol</i> <b>104</b>(6):3021-3028. doi:10.1152/jn.00397.2010.</p> <p>Goonetilleke SC, Gribble PL, Mirsattari SM, Doherty TJ, Corneil BD (2011). Neck muscle responses evoked by transcranial magnetic stimulation of the human frontal eye fields. <i>Eur J Neurosci</i> <b>33</b>(11):2155-2167. doi:10.1111/j.1460-9568.2011.07711.x.</p> <p>Opris I, Hampson RE, Stanford TR, Gerhardt GA, Deadwyler SA (2011). Neural Activity in Frontal Cortical Cell Layers: Evidence for Columnar Sensorimotor Processing. <i>J Cogn Neurosci</i> <b>23</b>(6):1507-1521. doi:10.1162/jocn.2010.21534.</p> <p>Ikkai A, Curtis CE (2011). Common neural mechanisms supporting spatial working memory, attention and motor intention. <i>Neuropsychologia</i> <b>49</b>(6, SI):1428-1434. doi:10.1016/j.neuropsychologia.2010.12.020.</p> <p>Baluchi F, Itti L (2011). Mechanisms of top-down attention. <i>TRENDS Neurosci</i> <b>34</b>(4):210-224. doi:10.1016/j.tins.2011.02.003.</p>	0.571429

Opris I, Hampson RE, Gerhardt GA, Berger TW, Deadwyler SA (2012). Columnar Processing in Primate pFC: Evidence for Executive Control Microcircuits. <i>J Cogn Neurosci</i> <b>24</b> (12):2334-2347.
Opris I, Fuqua JL, Huettl PF, Gerhardt GA, Berger TW, Hampson RE, Deadwyler SA (2012). Closing the loop in primate prefrontal cortex: inter-laminar processing. <i>Front Neural Circuits</i> <b>6</b> . doi:10.3389/fncir.2012.00088.
Hampson RE, Gerhardt GA, Marmarelis V, Song D, Opris I, Santos L, Berger TW, Deadwyler SA (2012). Facilitation and restoration of cognitive function in primate prefrontal cortex by a neuroprosthesis that utilizes minicolumn-specific neural firing. <i>J Neural Eng</i> <b>9</b> (5). doi:10.1088/1741-2560/9/5/056012.
Santos L, Opris I, Fuqua J, Hampson RE, Deadwyler SA (2012). A novel tetrode microdrive for simultaneous multi-neuron recording from different regions of primate brain. <i>J Neurosci Methods</i> <b>205</b> (2):368-374. doi:10.1016/j.jneumeth.2012.01.006.
Beedie SA, Benson PJ, Giegling I, Rujescu D, St Clair DM (2012). Smooth pursuit and visual scanpaths: Independence of two candidate oculomotor risk markers for schizophrenia. <i>WORLD J Biol PSYCHIATRY</i> <b>13</b> (3):200-210. doi:10.3109/15622975.2011.566628.
Opris I, Santos L, Gerhardt GA, Song D, Berger TW, Hampson RE, Deadwyler SA (2013). Prefrontal cortical microcircuits bind perception to executive control. <i>Sci Rep</i> <b>3</b> . doi:10.1038/srep02285.
Hampson RE, Fuqua JL, Huettl PF, Opris I, Song D, Shin D, Marmarelis VZ, Berger TW, Gerhardt GA, Deadwyler SA (2013). Conformal Ceramic Electrodes That Record Glutamate Release and Corresponding Neural Activity in Primate Prefrontal Cortex. In: <i>2013 35TH ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY (EMBC)</i> IEEE Engineering in Medicine and Biology Society Conference Proceedings. pp. 5954-5957
Opris I, Casanova MF (2014). Prefrontal cortical minicolumn: from executive control to disrupted cognitive processing. <i>Brain</i> <b>137</b> (Pt 7):1863-1875. doi:10.1093/brain/awt359.
Opris L, Ferrera VP (2014). Modifying cognition and behavior with electrical microstimulation: Implications for cognitive prostheses. <i>Neurosci Biobehav Rev</i> <b>47</b> :321-335. doi:10.1016/j.neubiorev.2014.09.003.
Morris RW, Dezfouli A, Griffiths KR, Balleine BW (2014). Action-value comparisons in the dorsolateral prefrontal cortex control choice between goal-directed actions. <i>Nat Commun</i> <b>5</b> . doi:10.1038/ncomms5390.
Matsushima A, Tanaka M (2014). Manipulation of Object Choice by Electrical Microstimulation in Macaque Frontal Eye Fields. <i>Cereb CORTEX</i> <b>24</b> (6):1493-1501. doi:10.1093/cercor/bht009.
Dai J, Brooks DI, Sheinberg DL (2014). Optogenetic and Electrical Microstimulation Systematically Bias Visuospatial Choice in Primates. <i>Curr Biol</i> <b>24</b> (1):63-69. doi:10.1016/j.cub.2013.11.011.
Ohmae S, Takahashi T, Lu X, Nishimori Y, Kodaka Y, Takashima I, Kitazawa S (2015). Decoding the timing and target locations of saccadic eye movements from neuronal activity in macaque oculomotor areas. <i>J Neural Eng</i> <b>12</b> (3). doi:10.1088/1741-2560/12/3/036014.
Opris I, Fuqua JL, Gerhardt GA, Hampson RE, Deadwyler SA (2015). Prefrontal cortical recordings with biomorphic MEAs reveal complex columnar-laminar microcircuits for BCI/BMI implementation. <i>J Neurosci Methods</i> <b>244</b> (SI):104-113. doi:10.1016/j.jneumeth.2014.05.029.

	<p>Opris I, Gerhardt GA, Hampson RE, Deadwyler SA (2015). Disruption of columnar and laminar cognitive processing in primate prefrontal cortex following cocaine exposure. <i>Front Syst Neurosci</i> <b>9</b>. doi:10.3389/fnsys.2015.00079.</p> <p>Snow PJ (2016). The Structural and Functional Organization of Cognition. <i>Front Hum Neurosci</i> <b>10</b>. doi:10.3389/fnhum.2016.00501.</p> <p>Marcos E, Genovesio A (2016). Determining Monkey Free Choice Long before the Choice Is Made: The Principal Role of Prefrontal Neurons Involved in Both Decision and Motor Processes. <i>Front Neural Circuits</i> <b>10</b>. doi:10.3389/fncir.2016.00075.</p>	
<p>MIHAILESCU IN, CHITICA N, TEODORESCU VS, POPESCU M, DEGIORGI ML, LUCHES A, PERRONE A, BOULMERLEBORGNE C, HERMANN J, DUBREUIL B, UDREA S, BARBORICA A, IOVA I (1994). DIRECT CARBIDE SYNTHESIS BY MULTIPULSE EXCIMER-LASER TREATMENT OF TI SAMPLES IN AMBIENT CH4 GAS AT SUPERATMOSPHERIC PRESSURE. <i>J Appl Phys</i> <b>75</b>(10, 1):5286-5294. doi:10.1063/1.355729.</p>	<p>MIHAILESCU IN, CHITICA N, LITA A, TEODORESCU VS, LUCHES A, LEGGIERI G, MARTINO M, MAJNI G, MENGUCCI P (1994). SIMULTANEOUS FORMATION OF TITANIUM NITRIDE AND TITANIUM SILICIDE IN A ONE-STEP PROCESS IN HETEROGENEOUS PHASE DURING MULTIPULSE LASER TREATMENT OF A SI WAFER WITH A THIN TI COATING IN SUPERATMOSPHERIC N2. <i>Thin Solid Films</i> <b>251</b>(1):23-29. doi:10.1016/0040-6090(94)90835-4.</p> <p>LEGGIERI G, LUCHES A, MARTINO M, PERRONE A, MAJNI G, MENGUCCI P, MIHAILESCU IN (1995). LASER REACTIVE ABLATION DEPOSITION OF TITANIUM CARBIDE FILMS. <i>Thin Solid Films</i> <b>258</b>(1-2):40-45. doi:10.1016/0040-6090(94)06330-3.</p> <p>Mihailescu IN, Gyorgy E, Popescu M, Csutak SM, Marin G, Teodorescu VS, Ursu I, Luches A, Martino M, Perrone A (1996). Laser ablation in a reactive atmosphere: Application to the synthesis and deposition performance of titanium carbide thin films. <i>Opt Eng</i> <b>35</b>(6):1652-1655. doi:10.1117/1.600732.</p> <p>Thomann AL, BoulmerLeborgne C, AndrezzaVignolle C, Andrezza P, Hermann J, Blondiaux G (1996). Metal surface nitriding by laser induced plasma. <i>J Appl Phys</i> <b>80</b>(8):4673-4684. doi:10.1063/1.363451.</p> <p>Schnepf JR, Edwards GR, Liu S (1996). Laser surface modification of Ti-6Al-4V in CH4/Ar atmospheres. In: Gregory, JK and Rack, HJ and Eylon, D, ed. <i>SURFACE PERFORMANCE OF TITANIUM</i> pp. 113-127</p> <p>Koc R, Folmer JS (1997). Carbothermal synthesis of titanium carbide using ultrafine titania powders. <i>J Mater Sci</i> <b>32</b>(12):3101-3111. doi:10.1023/A:1018634214088.</p> <p>Koc R, Folmer JS (1997). Synthesis of submicrometer titanium carbide powders. <i>J Am Ceram Soc</i> <b>80</b>(4):952-956.</p> <p>Koc R (1997). Kinetics and phase evolution during carbothermal synthesis of titanium carbide from carbon-coated titania powder. <i>J Eur Ceram Soc</i> <b>17</b>(11):1309-1315. doi:10.1016/S0955-2219(96)00241-5.</p> <p>Koc R (1998). Kinetics and phase evolution during carbothermal synthesis of titanium carbide from ultrafine titania/carbon mixture. <i>J Mater Sci</i> <b>33</b>(4):1049-1055. doi:10.1023/A:1004332416351.</p>	<p>0.216149</p>

Lu QY, Hu JQ, Tang KB, Deng B, Qian YT, Zhou G, Liu XM (1999). The co-reduction route to TiC nanocrystallites at low temperature. <i>Chem Phys Lett</i> <b>314</b> (1-2):37-39. doi:10.1016/S0009-2614(99)01109-4.
Hu JQ, Lu QY, Tang KB, Deng B, Jiang RR, Qian YT, Zhou GE, Yang L (2000). A new reduction-carburization route to nanocrystalline TiC. <i>Chem Lett</i> (5):474-475. doi:10.1246/cl.2000.474.
Zhang GQ, Ostrovski O (2000). Reduction of titania by methane-hydrogen-argon gas mixture. <i>Metall Mater Trans B-PROCESS Metall Mater Process Sci</i> <b>31</b> (1):129-139. doi:10.1007/s11663-000-0138-4.
Zhang GQ, Ostrovski O (2000). Synthesis of titanium carbide by reaction of titania with methane-hydrogen gas. In: Hilpert, K and Froben, FW and Singheiser, L, ed. <i>HIGH TEMPERATURE MATERIALS CHEMISTRY, PTS I AND II, PROCEEDINGS</i> Vol 15. SCHRIFTEN DES FORSCHUNGSZENTRUMS JULICH REIHE ENERGIETECHNIK. pp. 153-156
Wang XJ, Lu J, Gou PP, Xie Y (2002). A "chemical-scissors-assemble" route to titanium carbide nanorods. <i>Chem Lett</i> (8):820-821. doi:10.1246/cl.2002.820.
Lee GG, Kim BK (2003). Effect of raw material characteristics on the carbothermal reduction of titanium dioxide. <i>Mater Trans</i> <b>44</b> (10):2145-2150. doi:10.2320/matertrans.44.2145.
Tang KB, Shen GZ, Chen D, An CH, Wang CR, Qian YT (2003). A low-temperature in situ template reduction-carbonization route to TiC submicrometer hollow spheres and nanorods. <i>Chem Lett</i> <b>32</b> (2):116-117. doi:10.1246/cl.2003.116.
Xie J, Duan X, Shao G, Yi Z, Li J, Yuan R, Guo J (2003). SYNTHESIS OF PRECURSOR-DERIVED TiC-Ni BASED NANOCOMPOSITES BY DIRECT REDUCTION & CARBURIZATION PROCESSING. <i>Rev Adv Mater Sci</i> <b>5</b> (4):287-291.
Shi L, Gu YL, Chen LH, Yang ZH, Ma JH, Qian YT (2004). Formation of nanocrystalline TiC by a low-temperature route. <i>Chem Lett</i> <b>33</b> (1):56-57. doi:10.1246/cl.2004.56.
Setoudeh N, Saidi A, Welham NJ (2005). Effect of elemental iron on the carbothermic reduction of the anatase and rutile forms of titanium dioxide. <i>J Alloys Compd</i> <b>395</b> (1-2):141-148. doi:10.1016/j.jallcom.2004.10.058.
Lee G-G, Ha G-H (2006). Carbothermic reduction of oxide powder prepared from titanium dioxide and cobalt nitrate. <i>Mater Trans</i> <b>47</b> (12):3007-3011. doi:10.2320/matertrans.47.3007.
Ahn I-S, Sung T-K, Bae S-Y, Cho H-J, Park D-K (2006). Synthesis of titanium carbide by thermo-chemical methods with TiH <sub>2</sub> and carbon black powders. <i>Met Mater Int</i> <b>12</b> (3):249-253.
Woo Y-C, Kang H-J, Kim DJ (2007). Formation of TiC particle during carbothermal reduction of TiO <sub>2</sub> . <i>J Eur Ceram Soc</i> <b>27</b> (2-3):719-722. doi:10.1016/j.jeurceramsoc.2006.04.090.
Bae S-Y, Ahn I-S, Cho H-J, Kim C-J, Park D-K (2007). Sintering behavior of TiC-Fe based composite fabricated by spark plasma sintering using TiH <sub>2</sub> -graphite powders. In: Yoon, DY and Kang, SJL and Eun, KY and Kim, YS, ed. <i>Progress in Powder Metallurgy, Pts 1 and 2</i> Vol 534-536. MATERIALS SCIENCE FORUM. pp. 217-220
Ahn IS, Bae SY, Sung TK, Park DK (2007). The phase evolution of the TiC cermet fabricated by spark plasma sintering. In: Chandra, T and Tsuzaki, K and Militzer, M and Ravindran, C, ed. <i>THERMEC 2006, PTS 1-5</i> Vol 539-543. Materials Science Forum. pp. 2755-2760
Chappe JM, de Lucas MCM, Cunha L, Moura C, Pierson JF, Imhoff L, Heintz O, Potin V, Bourgeois S, Vaz F (2011). Structure and chemical bonds in reactively sputtered black Ti-C-N-O thin films. <i>Thin Solid Films</i> <b>520</b> (1):144-151. doi:10.1016/j.tsf.2011.06.108.

	<p>Liu P, Yang Q, Shui A, Wang H, Chen X, Zeng L, Liu Y (2012). Microwave synthesis of nano-titanium carbide. In: Zeng, JM and Kim, YH and Chen, YF, ed. <i>NEW MATERIALS, APPLICATIONS AND PROCESSES, PTS 1-3</i> Vol 399-401. Advanced Materials Research. pp. 561-564 doi:10.4028/www.scientific.net/AMR.399-401.561.</p> <p>Lixia C, Zhipeng X, Weijiang X, Wei L (2013). Preparation and Characterization of TiC-SiC Composites Sintered by SPS. <i>RARE Met Mater Eng</i> <b>42</b>(1A):293-296.</p> <p>Gou H-P, Zhang G-H, Chou K-C (2016). Formation of submicrometer titanium carbide from a titanium dioxide encapsulated in phenolic resin. <i>J Mater Sci</i> <b>51</b>(14):7008-7015. doi:10.1007/s10853-016-9989-1.</p> <p>Hu M, Wei R, Qu Z, Yin F, Xu Y, Deng Q (2016). Preparation of TiC by carbothermal reduction in vacuum and acid leaching using blast furnace slag bearing titania. <i>GREEN Process Synth</i> <b>5</b>(2):195-203. doi:10.1515/gps-2015-0092.</p>	
<p>Xiao Q, Barborica A, Ferrera VP (2006). Radial motion bias in macaque frontal eye field. <i>Vis Neurosci</i> <b>23</b>(1):49-60.</p>	<p>Schafer RJ, Moore T (2007). Attention Governs Action in the Primate Frontal Eye Field. <i>Neuron</i> <b>56</b>(3):541-551. doi:10.1016/j.neuron.2007.09.029.</p> <p>Gilmore RO, Hou C, Pettet MW, Norcia AM (2007). Development of cortical responses to optic flow. <i>Vis Neurosci</i> <b>24</b>(6):845-856. doi:10.1017/S0952523807070769.</p> <p>Xiao JX, Xie S, Ye JT, Liu HH, Gan XL, Gong GL, Jiang XX (2007). Detection of abnormal visual cortex in children with amblyopia by voxel-based morphometry. <i>Am J Ophthalmol</i> <b>143</b>(3):489-493. doi:10.1016/j.ajo.2006.11.039.</p> <p>Cassanello CR, Nihalani AT, Ferrera VP (2008). Neuronal responses to moving targets in monkey frontal eye fields. <i>J Neurophysiol</i> <b>100</b>(3):1544-1556. doi:10.1152/jn.01401.2007.</p> <p>Murphey DK, Maunsell JHR (2008). Electrical microstimulation thresholds for behavioral detection and saccades in monkey frontal eye fields. <i>Proc Natl Acad Sci U S A</i> <b>105</b>(20):7315-7320. doi:10.1073/pnas.0710820105.</p> <p>Mayo JP, Sommer MA (2008). Neuronal adaptation caused by sequential visual stimulation in the frontal eye field. <i>J Neurophysiol</i> <b>100</b>(4):1923-1935. doi:10.1152/jn.90549.2008.</p> <p>Peng X, Sereno ME, Silva AK, Lehky SR, Sereno AB (2008). Shape selectivity in primate frontal eye field. <i>J Neurophysiol</i> <b>100</b>(2):796-814. doi:10.1152/jn.01188.2007.</p> <p>Ferrera VP, Yanike M, Cassanello C (2009). Frontal eye field neurons signal changes in decision criteria. <i>Nat Neurosci</i> <b>12</b>(11):1458-1462. doi:10.1038/nn.2434.</p> <p>Billino J, Braun DI, Boehm K-D, Bremmer F, Gegenfurtner KR (2009). Cortical networks for motion processing: Effects of focal brain lesions on perception of different motion types. <i>Neuropsychologia</i> <b>47</b>(10):2133-2144. doi:10.1016/j.neuropsychologia.2009.04.005.</p> <p>Raemaekers M, Lankheet MJM, Moorman S, Kourtzi Z, van Wezel RJA (2009). Directional Anisotropy of Motion Responses in Retinotopic Cortex. <i>Hum Brain Mapp</i> <b>30</b>(12):3970-3980. doi:10.1002/hbm.20822.</p> <p>Clifford CWG, Mannion DJ, McDonald JS (2009). Radial Biases in the Processing of Motion and Motion-Defined Contours by Human Visual Cortex. <i>J Neurophysiol</i> <b>102</b>(5):2974-2981. doi:10.1152/jn.00411.2009.</p> <p>Murthy A, Ray S, Shorter SM, Schall JD, Thompson KG (2009). Neural Control of Visual Search by Frontal Eye Field: Effects of Unexpected Target Displacement on Visual Selection and Saccade Preparation. <i>J Neurophysiol</i> <b>101</b>(5):2485-2506. doi:10.1152/jn.90824.2008.</p> <p>Mayo JP, Sommer MA (2010). Shifting attention to neurons. <i>TRENDS Cogn Sci</i> <b>14</b>(9):389. doi:10.1016/j.tics.2010.06.003.</p>	<p>0.533333</p>

Aissani C, Cottureau B, Paradis A-L, Lorenceau J (2010). In Search of Neural Signatures of Visual Binding : A MEG/SSVEF Study. In: Supek, S and Susac, A, ed. <i>17TH INTERNATIONAL CONFERENCE ON BIOMAGNETISM ADVANCES IN BIOMAGNETISM - BIOMAG2010</i> Vol 28. IFMBE Proceedings. pp. 302-305
Niebergall R, Khayat PS, Treue S, Martinez-Trujillo JC (2011). Expansion of MT Neurons Excitatory Receptive Fields during Covert Attentive Tracking. <i>J Neurosci</i> <b>31</b> (43):15499-15510. doi:10.1523/JNEUROSCI.2822-11.2011.
Melcher D (2011). Visual stability Introduction. <i>Philos Trans R Soc B-BIOLOGICAL Sci</i> <b>366</b> (1564):468-475. doi:10.1098/rstb.2010.0277.
Fleuriet J, Hugues S, Perrinet L, Goffart L (2011). Saccadic Foveation of a Moving Visual Target in the Rhesus Monkey. <i>J Neurophysiol</i> <b>105</b> (2):883-895. doi:10.1152/jn.00622.2010.
Savini N, Brunetti M, Babiloni C, Ferretti A (2012). Working memory of somatosensory stimuli: An fMRI study. <i>Int J Psychophysiol</i> <b>86</b> (3):220-228. doi:10.1016/j.ijpsycho.2012.09.007.
Ding L, Gold JI (2012). Neural Correlates of Perceptual Decision Making before, during, and after Decision Commitment in Monkey Frontal Eye Field. <i>Cereb CORTEX</i> <b>22</b> (5):1052-1067. doi:10.1093/cercor/bhr178.
Fetsch CR, Pouget A, DeAngelis GC, Angelaki DE (2012). Neural correlates of reliability-based cue weighting during multisensory integration. <i>Nat Neurosci</i> <b>15</b> (1):146-U185. doi:10.1038/nn.2983.
Tanoue RT, Jones KT, Peterson DJ, Berryhill ME (2013). Differential Frontal Involvement in Shifts of Internal and Perceptual Attention. <i>BRAIN Stimul</i> <b>6</b> (4):675-682. doi:10.1016/j.brs.2012.11.003.
Maloney RT, Watson TL, Clifford CWG (2014). Determinants of motion response anisotropies in human early visual cortex: The role of configuration and eccentricity. <i>Neuroimage</i> <b>100</b> :564-579. doi:10.1016/j.neuroimage.2014.06.057.
Mayo JP, DiTomasso AR, Sommer MA, Smith MA (2015). Dynamics of visual receptive fields in the macaque frontal eye field. <i>J Neurophysiol</i> <b>114</b> (6):3201-3210. doi:10.1152/jn.00746.2015.
Ahmadlou M, Heimel JA (2015). Preference for concentric orientations in the mouse superior colliculus. <i>Nat Commun</i> <b>6</b> . doi:10.1038/ncomms7773.
Schall JD (2015). Visuomotor Functions in the Frontal Lobe. In: Movshon, JA and Wandell, BA, ed. <i>ANNUAL REVIEW OF VISION SCIENCE, VOL 1</i> Vol 1. Annual Review of Vision Science. pp. 469-498 doi:10.1146/annurev-vision-082114-035317.
Norcia AM, Gerhard HE (2015). Development of Three-Dimensional Perception in Human Infants. In: Movshon, JA and Wandell, BA, ed. <i>ANNUAL REVIEW OF VISION SCIENCE, VOL 1</i> Vol 1. Annual Review of Vision Science. pp. 569-594 doi:10.1146/annurev-vision-082114-035835.
Hong SW (2015). Radial bias for orientation and direction of motion modulates access to visual awareness during continuous flash suppression. <i>J Vis</i> <b>15</b> (1). doi:10.1167/15.1.3.
Budnik U, Hindi-Attar C, Hamburger K, Pinna B, Hennig J, Speck O (2016). Perceptual Experience of Visual Motion Activates hMT plus Independently From the Physical Reality: fMRI Insights From the Looming Pinna Figure. <i>Perception</i> <b>45</b> (11):1211-1221. doi:10.1177/0301006616652051.



<p>Xiao Q, Barborica A, Ferrera VP (2007). Modulation of visual responses in macaque frontal eye field during covert tracking of invisible targets. <i>Cereb Cortex</i> <b>17</b>(4):918-928.</p>	<p>Cassanello CR, Nihalani AT, Ferrera VP (2008). Neuronal responses to moving targets in monkey frontal eye fields. <i>J Neurophysiol</i> <b>100</b>(3):1544-1556. doi:10.1152/jn.01401.2007.</p> <p>de Xivry J-JO, Missal M, Lefevre P (2008). A dynamic representation of target motion drives predictive smooth pursuit during target blanking. <i>J Vis</i> <b>8</b>(15). doi:10.1167/8.15.6.</p> <p>Dessing JC, Oostwoud Wijdenes L, Peper C (Lieke) E, Beek PJ (2009). Adaptations of lateral hand movements to early and late visual occlusion in catching. <i>Exp BRAIN Res</i> <b>192</b>(4):669-682. doi:10.1007/s00221-008-1588-1.</p> <p>de Xivry J-JO, Missal M, Lefevre P (2009). Smooth pursuit performance during target blanking does not influence the triggering of predictive saccades. <i>J Vis</i> <b>9</b>(11). doi:10.1167/9.11.7.</p> <p>Levy DL, Sereno AB, Gooding DC, O'Driscoll GA (2010). Eye Tracking Dysfunction in Schizophrenia: Characterization and Pathophysiology. In: Swerdlow, NR, ed. <i>BEHAVIORAL NEUROBIOLOGY OF SCHIZOPHRENIA AND ITS TREATMENT</i> Vol 4. Current Topics in Behavioral Neurosciences. pp. 311-347 doi:10.1007/7854_2010_60.</p> <p>Vaina LM, Sikoglu EM, Soloviev S, LeMay M, Squatrito S, Pandiani G, Cowey A (2010). Functional and anatomical profile of visual motion impairments in stroke patients correlate with fMRI in normal subjects. <i>J Neuropsychol</i> <b>4</b>(2):121-145. doi:10.1348/174866409X471760.</p> <p>Niebergall R, Khayat PS, Treue S, Martinez-Trujillo JC (2011). Expansion of MT Neurons Excitatory Receptive Fields during Covert Attentive Tracking. <i>J Neurosci</i> <b>31</b>(43):15499-15510. doi:10.1523/JNEUROSCI.2822-11.2011.</p> <p>Coppe S, de Xivry J-JO, Yuksel D, Ivanoiu A, Lefevre P (2012). Dramatic impairment of prediction due to frontal lobe degeneration. <i>J Neurophysiol</i> <b>108</b>(11):2957-2966. doi:10.1152/jn.00582.2012.</p> <p>Bosco G, Delle Monache S, Lacquaniti F (2012). Catching What We Can't See: Manual Interception of Occluded Fly-Ball Trajectories. <i>PLoS One</i> <b>7</b>(11). doi:10.1371/journal.pone.0049381.</p> <p>Dessing JC (2012). Updating of an Occluded Moving Target for Interceptive Saccades. <i>J Neurosci</i> <b>32</b>(23):7767-7768. doi:10.1523/JNEUROSCI.1193-12.2012.</p> <p>de Xivry J-JO, Coppe S, Blohm G, Lefevre P (2013). Kalman Filtering Naturally Accounts for Visually Guided and Predictive Smooth Pursuit Dynamics. <i>J Neurosci</i> <b>33</b>(44):17301-17313. doi:10.1523/JNEUROSCI.2321-13.2013.</p> <p>Diaz G, Cooper J, Hayhoe M (2013). Memory and prediction in natural gaze control. <i>Philos Trans R Soc B-BIOLOGICAL Sci</i> <b>368</b>(1628). doi:10.1098/rstb.2013.0064.</p> <p>Murdison TS, Pare-Bingley CA, Blohm G (2013). Evidence for a retinal velocity memory underlying the direction of anticipatory smooth pursuit eye movements. <i>J Neurophysiol</i> <b>110</b>(3):732-747. doi:10.1152/jn.00991.2012.</p> <p>Fiset S, Plourde V (2013). Object Permanence in Domestic Dogs (<i>Canis lupus familiaris</i>) and Gray Wolves (<i>Canis lupus</i>). <i>J Comp Psychol</i> <b>127</b>(2):115-127. doi:10.1037/a0030595.</p> <p>Bogadhi AR, Montagnini A, Masson GS (2013). Dynamic interaction between retinal and extraretinal signals in motion integration for smooth pursuit. <i>J Vis</i> <b>13</b>(13). doi:10.1167/13.13.5.</p> <p>Diaz G, Cooper J, Rothkopf C, Hayhoe M (2013). Saccades to future ball location reveal memory-based prediction in a virtual-reality interception task. <i>J Vis</i> <b>13</b>(1). doi:10.1167/13.1.20.</p>	<p>0.47619</p>
---	--	----------------

	<p>Matsushima A, Tanaka M (2013). Retrospective and prospective information coding by different neurons in the prefrontal cortex. <i>Neuroreport</i> <b>24</b>(2):73-78. doi:10.1097/WNR.0b013e32835c8d66.</p> <p>Bosco G, Delle Monache S, Gravano S, Indovina I, La Scaleia B, Maffei V, Zago M, Lacquaniti F (2015). Filling gaps in visual motion for target capture. <i>Front Integr Neurosci</i> <b>9</b>. doi:10.3389/tnint.2015.00013.</p> <p>Szinte M, Carrasco M, Cavanagh P, Rolfs M (2015). Attentional trade-offs maintain the tracking of moving objects across saccades. <i>J Neurophysiol</i> <b>113</b>(7):2220-2231. doi:10.1152/jn.00966.2014.</p> <p>Schall JD (2015). Visuomotor Functions in the Frontal Lobe. In: Movshon, JA and Wandell, BA, ed. <i>ANNUAL REVIEW OF VISION SCIENCE, VOL 1</i> Vol 1. Annual Review of Vision Science. pp. 469-498 doi:10.1146/annurev-vision-082114-035317.</p> <p>Ferrera VP (2015). Smooth pursuit preparation modulates neuronal responses in visual areas MT and MST. <i>J Neurophysiol</i> <b>114</b>(1):638-649. doi:10.1152/jn.00636.2014.</p> <p>Caspari N, Janssens T, Mantini D, Vandenberghe R, Vanduffel W (2015). Covert Shifts of Spatial Attention in the Macaque Monkey. <i>J Neurosci</i> <b>35</b>(20):7695-7714. doi:10.1523/JNEUROSCI.4383-14.2015.</p> <p>De Freitas J, Myers NE, Nobre AC (2016). Tracking the changing feature of a moving object. <i>J Vis</i> <b>16</b>(3). doi:10.1167/16.3.22.</p> <p>Ego C, Yuksel D, de Xivry J-JO, Lefevre P (2016). Development of internal models and predictive abilities for visual tracking during childhood. <i>J Neurophysiol</i> <b>115</b>(1):301-309. doi:10.1152/jn.00534.2015.</p> <p>Puneeth NC, Arun SP (2016). A neural substrate for object permanence in monkey inferotemporal cortex. <i>Sci Rep</i> <b>6</b>. doi:10.1038/srep30808.</p>	
<p>Ferrera VP, Barborica A (2010). Internally Generated Error Signals in Monkey Frontal Eye Field during an Inferred Motion Task. <i>J Neurosci</i> <b>30</b>(35):11612-11623. doi:10.1523/JNEUROSCI.2977-10.2010.</p>	<p>Ding L, Gold JI (2012). Neural Correlates of Perceptual Decision Making before, during, and after Decision Commitment in Monkey Frontal Eye Field. <i>Cereb CORTEX</i> <b>22</b>(5):1052-1067. doi:10.1093/cercor/bhr178.</p> <p>Dessing JC (2012). Updating of an Occluded Moving Target for Interceptive Saccades. <i>J Neurosci</i> <b>32</b>(23):7767-7768. doi:10.1523/JNEUROSCI.1193-12.2012.</p> <p>de Xivry J-JO, Coppe S, Blohm G, Lefevre P (2013). Kalman Filtering Naturally Accounts for Visually Guided and Predictive Smooth Pursuit Dynamics. <i>J Neurosci</i> <b>33</b>(44):17301-17313. doi:10.1523/JNEUROSCI.2321-13.2013.</p> <p>Diaz G, Cooper J, Rothkopf C, Hayhoe M (2013). Saccades to future ball location reveal memory-based prediction in a virtual-reality interception task. <i>J Vis</i> <b>13</b>(1). doi:10.1167/13.1.20.</p> <p>Yang S, Heinen S (2014). Contrasting the roles of the supplementary and frontal eye fields in ocular decision making. <i>J Neurophysiol</i> <b>111</b>(12):2644-2655. doi:10.1152/jn.00543.2013.</p> <p>Noe R, Laporte M (2014). Socio-spatial cognition in vervet monkeys. <i>Anim Cogn</i> <b>17</b>(3):597-607. doi:10.1007/s10071-013-0690-3.</p> <p>Makin ADJ, Lawson R, Bertamini M, Pickering J (2014). Auditory clicks distort perceived velocity but only when the system has to rely on extraretinal signals. <i>Q J Exp Psychol</i> <b>67</b>(3):455-473. doi:10.1080/17470218.2013.816751.</p>	<p>0.485714</p>

	<p>Teichert T, Yu D, Ferrera VP (2014). Performance Monitoring in Monkey Frontal Eye Field. <i>J Neurosci</i> <b>34</b>(5):1657-1671. doi:10.1523/JNEUROSCI.3694-13.2014.</p> <p>Bosco G, Delle Monache S, Gravano S, Indovina I, La Scaleia B, Maffei V, Zago M, Lacquaniti F (2015). Filling gaps in visual motion for target capture. <i>Front Integr Neurosci</i> <b>9</b>. doi:10.3389/tnint.2015.00013.</p> <p>Delle Monache S, Lacquaniti F, Bosco G (2015). Eye movements and manual interception of ballistic trajectories: effects of law of motion perturbations and occlusions. <i>Exp BRAIN Res</i> <b>233</b>(2):359-374. doi:10.1007/s00221-014-4120-9.</p> <p>Cangelosi A, Schlesinger M (2015). Developmental Robotics: From Babies to Robots. In: <i>DEVELOPMENTAL ROBOTICS: FROM BABIES TO ROBOTS</i> Intelligent Robotics and Autonomous Agents. pp. 1-410</p> <p>La Scaleia B, Zago M, Lacquaniti F (2015). Hand interception of occluded motion in humans: a test of model-based vs. on-line control. <i>J Neurophysiol</i> <b>114</b>(3):1577-1592. doi:10.1152/jn.00475.2015.</p> <p>Takiyama K, Hirashima M, Nozaki D (2015). Prospective errors determine motor learning. <i>Nat Commun</i> <b>6</b>. doi:10.1038/ncomms6925.</p> <p>Ego C, Bonhomme L, de Xivry J-JO, Da Fonseca D, Lefevre P, Masson GS, Deruelle C (2016). Behavioral characterization of prediction and internal models in adolescents with autistic spectrum disorders. <i>Neuropsychologia</i> <b>91</b>:335-345. doi:10.1016/j.neuropsychologia.2016.08.021.</p> <p>Ego C, Yuksel D, de Xivry J-JO, Lefevre P (2016). Development of internal models and predictive abilities for visual tracking during childhood. <i>J Neurophysiol</i> <b>115</b>(1):301-309. doi:10.1152/jn.00534.2015.</p> <p>Bourrelly C, Quinet J, Cavanagh P, Goffart L (2016). Learning the trajectory of a moving visual target and evolution of its tracking in the monkey. <i>J Neurophysiol</i> <b>116</b>(6):2739-2751. doi:10.1152/jn.00519.2016.</p> <p>Cui H (2016). Forward Prediction in the Posterior Parietal Cortex and Dynamic Brain-Machine Interface. <i>Front Integr Neurosci</i> <b>10</b>. doi:10.3389/fnint.2016.00035.</p>	
<p>Mihailescu IN, Lita A, Teodorescu VS, Gyorgy E, Alexandrescu R, Luches A, Martino M, Barborica A (1996). Synthesis and deposition of silicon nitride films by laser reactive ablation of silicon in low pressure ammonia: A parametric study. <i>J Vac Sci Technol A-VACUUM SURFACES Film</i> <b>14</b>(4):1986-1994.</p>	<p>Mihailescu IN, Teodorescu VS, Gyorgy E, Luches A, Perrone A, Martino M (1998). About the nature of particulates covering the surface of thin films obtained by reactive pulsed laser deposition. <i>J Phys D-APPLIED Phys</i> <b>31</b>(18):2236-2240. doi:10.1088/0022-3727/31/18/006.</p> <p>Mihailescu IN, Gyorgy E, Alexandrescu R, Luches A, Perrone A, Ghica C, Werckmann J, Cojocar I, Chumash V (1998). Optical studies of carbon nitride thin films deposited by reactive pulsed laser ablation of a graphite target in low pressure ammonia. <i>Thin Solid Films</i> <b>323</b>(1-2):72-78. doi:10.1016/S0040-6090(97)01050-X.</p> <p>Mihailescu IN, Gyorgy E, Teodorescu VS, Steinbrecher G, Neamtu J, Perrone A, Luches A (1999). Characteristic features of the laser radiation-target interactions during reactive pulsed laser ablation of Si targets in ammonia. <i>J Appl Phys</i> <b>86</b>(12):7123-7128. doi:10.1063/1.371801.</p>	<p>0.190476</p>

Neamtu J, Mihailescu IN, Ristoscu C, Hermann J (1999). Theoretical modelling of phenomena in the pulsed-laser deposition process: Application to Ti targets ablation in low-pressure N(2). *J Appl Phys* **86**(11):6096-6106. doi:10.1063/1.371659.

Kumar A (1999). Pulsed laser deposition of superhard nitride coatings. *Mater Manuf Process* **14**(3):397-411. doi:10.1080/10426919908914835.

Bauerle D, Dinescu M, Dinu R, Pedarnig J, Heitz J, Schwodiauer R, Bauer S, Bauer-Gogonea S (2000). Pulsed-laser deposition and characterization of thin films. In: Galassi, C and Dinescu, M and Uchino, K and Sayer, M, ed. *PIEZOELECTRIC MATERIALS: ADVANCES IN SCIENCE, TECHNOLOGY AND APPLICATIONS* Vol 76. NATO ADVANCED SCIENCE INSTITUTE SERIES, SUB-SERIES 3, HIGH TECHNOLOGY. pp. 261-271

Teodorescu VS, Nistor LC, Popescu M, Mihailescu IN, Gyorgy E, Van Landuyt J, Perrone A (2001). Transmission electron microscopy study of silicon nitride amorphous films obtained by reactive pulsed laser deposition. *Thin Solid Films* **397**(1-2):12-16. doi:10.1016/S0040-6090(01)01408-0.

Umezumi I, Yamaguchi T, Kohno K, Inada M, Sugimura A (2002). Preparation of SiNx film by pulsed laser ablation in nitrogen gas ambient. *Appl Surf Sci* **197**:376-378. doi:10.1016/S0169-4332(02)00343-4.

Gyorgy E, Mihailescu IN, Kompitsas M, Giannoudakos A (2002). Particulates-free Ta thin films obtained by pulsed laser deposition: the role of a second laser in the laser-induced plasma heating. *Appl Surf Sci* **195**(1-4):270-276. doi:10.1016/S0169-4332(02)00561-5.

Mihailescu IN, Teodorescu VS, Gyorgy E, Ristoscu C, Cristescu R (2002). Particulates in pulsed laser deposition: formation mechanisms and possible approaches to their elimination. In: Dumitras, DC and Dinescu, M and Konov, VI, ed. *ALT'01 INTERNATIONAL CONFERENCE ON ADVANCED LASER TECHNOLOGIES* Vol 4762. Proceedings of SPIE-The International Society for Optical Engineering. pp. 64-74 doi:10.1117/12.478666.

Umezumi I, Kohno K, Yamaguchi T, Sugimura A, Inada M (2002). Deposition of silicon nitride films by pulsed laser ablation of the Si target in nitrogen gas. *J Vac Sci Technol A-VACUUM SURFACES Film* **20**(1):30-32. doi:10.1116/1.1419083.

Choo CK, Enomoto K, Tanaka K (2003). Size selective filtration of silicon nano-structures using AFI AlPO4-5 zeolite pores. *Mater Sci Eng B-SOLID STATE Mater Adv Technol* **104**(1-2):73-79. doi:10.1016/S0921-5107(03)00315-5.

Zorba V, Klini A, Gyorgy E, Ristoscu C, Teodorescu VS, Mihailescu IN, Fotakis C (2003). Dependence of morphology of AlN thin films on laser irradiation in pulsed laser deposition. *LASER Phys* **13**(10):1325-1329.

Umezumi I, Inada M, Kohno K, Yamaguchi T, Makino T, Sugimura A (2003). Reaction between nitrogen gas and silicon species during pulsed laser ablation. *J Vac Sci Technol A* **21**(5):1680-1682. doi:10.1116/1.1598974.

Gyorgy E, Mihailescu IN, Kompitsas M, Giannoudakos A (2003). Pulsed laser deposition of thin films: elimination of particulates by second laser irradiation. In: Atanasov, PA and Serafetinides, AA and Kolev, IN, ed. *12TH INTERNATIONAL SCHOOL ON QUANTUM ELECTRONICS: LASER PHYSICS AND APPLICATIONS* Vol 5226. Proceedings of SPIE. pp. 327-334 doi:10.1117/12.519509.

Choo CK, Tohara M, Enomoto K, Tanaka K (2004). Pulsed laser ablation of silicon with low laser fluence in a low-pressure of ammonia ambient. *Appl Surf Sci* **228**(1-4):120-127. doi:10.1016/j.apsusc.2004.01.008.

	<p>Gyorgy E, Teodorescu VS, Mihailescu IN, Klini A, Zorba C, Manousaki A, Fotakis C (2004). Surface morphology studies of sub-ps pulsed-laser-deposited AlN thin films. <i>J Mater Res</i> <b>19</b>(3):820-826. doi:10.1557/jmr.2004.19.3.820.</p> <p>Gyorgy E, Mihailescu IN, Kompitsas M, Giannoudakos A (2004). Particulates generation and solutions for their elimination in pulsed laser deposition. <i>J Optoelectron Adv Mater</i> <b>6</b>(1):39-46.</p> <p>Gyorgy E, Mihailescu IN, Kompitsas M, Giannoudakos A (2004). Deposition of particulate-free thin films by two synchronised laser sources: effects of ambient gas pressure and laser fluence. <i>Thin Solid Films</i> <b>446</b>(2):178-183. doi:10.1016/j.tsf.2003.09.071.</p> <p>Umezu I, Nakayama Y, Sugimura A (2010). Formation of core-shell structured silicon nanoparticles during pulsed laser ablation. <i>J Appl Phys</i> <b>107</b>(9). doi:10.1063/1.3374660.</p>	
<p>Leggieri G, Luches A, Martino M, Perrone A, Alexandrescu R, Barborica A, Gyorgy E, Mihailescu IN, Majni G, Mengucci P (1996). Laser reactive ablation deposition of silicon carbide films. <i>Appl Surf Sci</i> <b>96-98</b>:866-869.</p>	<p>Aldea E, Caricato AP, Dinescu G, Luches A, Perrone A (1997). Optical emission diagnostic of laser-induced plasma during CNx film deposition. <i>JAPANESE J Appl Phys PART 1-REGULAR Pap SHORT NOTES Rev Pap</i> <b>36</b>(7B):4686-4689. doi:10.1143/JJAP.36.4686.</p> <p>Vivien C, Hermann J, Perrone A, Boulmer-Leborgne C, Luches A (1998). A study of molecule formation during laser ablation of graphite in low-pressure nitrogen. <i>J Phys D-APPLIED Phys</i> <b>31</b>(10):1263-1272. doi:10.1088/0022-3727/31/10/019.</p> <p>Vivien C, Hermann J, Perrone A, Boulmer-Leborgne C (1999). A study of molecule formation during laser ablation of graphite in low-pressure ammonia. <i>J Phys D-APPLIED Phys</i> <b>32</b>(4):518-528. doi:10.1088/0022-3727/32/4/022.</p> <p>Zocco A, Perrone A, D'Anna E, Leggieri G, Luches A, Klini A, Zergioti I, Fotakis C (1999). Deposition of carbon nitride films by reactive pulsed-laser ablation at high fluences. <i>Diam Relat Mater</i> <b>8</b>(2-5):582-585. doi:10.1016/S0925-9635(98)00357-4.</p> <p>Pelt JS, Ramsey ME, Durbin SM (2000). Characterization of crystalline SiC films grown by pulsed laser deposition. <i>Thin Solid Films</i> <b>371</b>(1-2):72-79. doi:10.1016/S0040-6090(00)00991-3.</p> <p>Gyorgy E, Mihailescu IN, Kompitsas M, Giannoudakos A (2002). Particulates-free Ta thin films obtained by pulsed laser deposition: the role of a second laser in the laser-induced plasma heating. <i>Appl Surf Sci</i> <b>195</b>(1-4):270-276. doi:10.1016/S0169-4332(02)00561-5.</p> <p>Mihailescu IN, Teodorescu VS, Gyorgy E, Ristoscu C, Cristescu R (2002). Particulates in pulsed laser deposition: formation mechanisms and possible approaches to their elimination. In: Dumitras, DC and Dinescu, M and Konov, VI, ed. <i>ALT'01 INTERNATIONAL CONFERENCE ON ADVANCED LASER TECHNOLOGIES</i> Vol 4762. Proceedings of SPIE-The International Society for Optical Engineering. pp. 64-74 doi:10.1117/12.478666.</p> <p>Zorba V, Klini A, Gyorgy E, Ristoscu C, Teodorescu VS, Mihailescu IN, Fotakis C (2003). Dependence of morphology of AlN thin films on laser irradiation in pulsed laser deposition. <i>LASER Phys</i> <b>13</b>(10):1325-1329.</p>	<p>0.171429</p>

	<p>Gyorgy E, Mihailescu IN, Kompitsas M, Giannoudakos A (2003). Pulsed laser deposition of thin films: elimination of particulates by second laser irradiation. In: Atanasov, PA and Serafetinides, AA and Kolev, IN, ed. <i>12TH INTERNATIONAL SCHOOL ON QUANTUM ELECTRONICS: LASER PHYSICS AND APPLICATIONS</i> Vol 5226. Proceedings of SPIE. pp. 327-334 doi:10.1117/12.519509.</p> <p>Gyorgy E, Mihailescu IN, Kompitsas M, Giannoudakos A (2004). Particulates generation and solutions for their elimination in pulsed laser deposition. <i>J Optoelectron Adv Mater</i> <b>6</b>(1):39-46.</p> <p>Gyorgy E, Mihailescu IN, Kompitsas M, Giannoudakos A (2004). Deposition of particulate-free thin films by two synchronised laser sources: effects of ambient gas pressure and laser fluence. <i>Thin Solid Films</i> <b>446</b>(2):178-183. doi:10.1016/j.tsf.2003.09.071.</p> <p>Park HS, Nam SH, Park SM (2004). Optical emission studies of a plume produced by laser ablation of a graphite target in a nitrogen atmosphere. <i>Bull KOREAN Chem Soc</i> <b>25</b>(5):620-624.</p> <p>Vendan M, Molian P, Bastawros A, Anderegg J (2005). Ultra-short pulsed laser deposition and patterning of SiC thin films for MEMS fabrication. <i>Mater Sci Semicond Process</i> <b>8</b>(6):630-645. doi:10.1016/j.mssp.2006.02.002.</p> <p>Park HS, Nam SH, Park SM (2005). Time-resolved optical emission studies on the laser ablation of a graphite target: The effects of ambient gases. <i>J Appl Phys</i> <b>97</b>(11). doi:10.1063/1.1925336.</p> <p>Riascos H, Zambrano G, Prieto P (2006). Spectroscopic analysis of a pulsed-laser deposition system for fullerene-like Cn(x) film production. <i>PLASMA Chem PLASMA Process</i> <b>26</b>(3):277-291. doi:10.1007/s11090-006-9010-x.</p> <p>Ghica C, Ristoscu C, Socol G, Brodoceanu D, Nistor LC, Mihailescu IN, Klini A, Fotakis C (2006). Growth and characterization of beta-SiC films obtained by fs laser ablation. <i>Appl Surf Sci</i> <b>252</b>(13):4672-4677. doi:10.1016/j.apsusc.2005.07.087.</p> <p>Ristoscu C, Socol G, Ghica C, Mihailescu IN, Gray D, Klini A, Manousaki A, Anglos D, Fotakis C (2006). Femtosecond pulse shaping for phase and morphology control in PLD: Synthesis of cubic SiC. <i>Appl Surf Sci</i> <b>252</b>(13):4857-4862. doi:10.1016/j.apsusc.2005.07.099.</p> <p>Jelinek M, Kocourek T, Zemek J, Kadlec J (2009). SiCx Layers Prepared by Hybrid Laser Deposition and PLD. <i>PLASMA Process Polym</i> <b>6</b>(S):S366-S369. doi:10.1002/ppap.200930803.</p> <p>Monaco G, Garoli D, Natali M, Pelizzo MG, Nicolosi P (2011). Synthesis of heteroepitaxial 3C-SiC by means of PLD. <i>Appl Phys A-MATERIALS Sci Process</i> <b>105</b>(1):225-231. doi:10.1007/s00339-011-6494-x.</p> <p>Monaco G, Suman M, Garoli D, Pelizzo MG, Nicolosi P (2011). X-ray absorption study of silicon carbide thin film deposited by pulsed laser deposition. <i>J Electron Spectros Relat Phenomena</i> <b>184</b>(3-6, SI):240-244. doi:10.1016/j.elspec.2011.01.002.</p>	
<p>Barborica A, Mihailescu IN, Teodorescu VS (1994). Dynamical evolution of the surface microrelief under multiple-pulse-laser irradiation: An analysis based on surface-scattered waves. <i>Phys Rev B</i> <b>49</b>(12):8385-8395. doi:10.1103/PhysRevB.49.8385.</p>	<p>Himmelbauer M, Arnold N, Bityurin N, Arenholz E, Bauerle D (1997). UV-laser-induced periodic surface structures on polyimide. <i>Appl Phys A-MATERIALS Sci Process</i> <b>64</b>(5):451-455.</p>	0.361905

<p>Ping Y, Geltner I, Suckewer S (2001). Formation of periodic structures in a laser spark. <i>Phys Plasmas</i> <b>8</b>(9):4174-4179. doi:10.1063/1.1386429.</p>
<p>Wagner R, Gottmann J, Horn A, Kreutz EW (2004). Formation of sub-wavelength laser induced periodic surface structures by tightly focused femtosecond laser radiation. In: Miyamoto, I and Helvajian, H and Itoh, K and Kobayashi, KF and Ostendorf, A and Sugioka, K, ed. <i>FIFTH INTERNATIONAL SYMPOSIUM ON LASER PRECISION MICROFABRICATION</i> Vol 5662. PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE). pp. 168-172 doi:10.1117/12.596313.</p>
<p>Wagner R, Gottmann J, Horn A, Kreutz EW (2006). Subwavelength ripple formation induced by tightly focused femtosecond laser radiation. <i>Appl Surf Sci</i> <b>252</b>(24):8576-8579. doi:10.1016/j.apsusc.2005.11.077.</p>
<p>Hnatovsky C, Taylor RS, Simova E, Rajeev PP, Rayner DM, Bhardwaj VR, Corkum PB (2006). Fabrication of microchannels in glass using focused femtosecond laser radiation and selective chemical etching. <i>Appl Phys A-MATERIALS Sci Process</i> <b>84</b>(1-2):47-61. doi:10.1007/s00339-006-3590-4.</p>
<p>Costache F, Eckert S, Reif J (2006). On ultra-short laser pulse induced instabilities at the surface of non-metallic solids. In: Phipps, CR, ed. <i>HIGH-POWER LASER ABLATION VI, PTS 1 AND 2</i> Vol 6261. Proceedings of SPIE. doi:10.1117/12.673618.</p>
<p>Gottmann J, Wagner R (2006). Sub-wavelength ripple formation on dielectric and metallic materials induced by tightly focused femto-second laser radiation. In: Okada, T and Arnold, CB and Meunier, M and Holmes, AS and Geohegan, DB and Trager, F and Dubowski, JJ, ed. <i>PHOTON PROCESSING IN MICROELECTRONIC AND PHOTONICS V</i> Vol 6106. Proceedings of SPIE. doi:10.1117/12.644560.</p>
<p>Guillermin M, Garrelie F, Sanner N, Audouard E, Soder H (2007). Single- and multi-pulse formation of surface structures under static femtosecond irradiation. <i>Appl Surf Sci</i> <b>253</b>(19):8075-8079. doi:10.1016/j.apsusc.2007.02.093.</p>
<p>Wagner R, Gottmann J (2007). Sub-wavelength ripple formation on various materials induced by tightly focused femtosecond laser radiation. In: Hess, WP and Herman, PR and Bauerle, D and Koinuma, H, ed. <i>COLA'05: 8TH INTERNATIONAL CONFERENCE ON LASER ABLATION</i> Vol 59. Journal of Physics Conference Series. pp. 333-337 doi:10.1088/1742-6596/59/1/070.</p>
<p>Gottmann J, Wortmann D, Wagner R (2008). Manufacturing of periodical nanostructures by fs-laser direct writing. In: Myllyla, R and Priezhev, AV and Kinnunen, M and Pustovoy, VI and Kirillin, MY and Popov, AP, ed. <i>ADVANCED LASER TECHNOLOGIES 2007</i> Vol 7022. Proceedings of SPIE. doi:10.1117/12.803901.</p>
<p>Gottmann J, Wortmann D, Brandt N (2008). Highspeed manufacturing of periodical surface and in-volume nanostructures by fs-laser direct writing - art. no. 68790N. In: Holmes, AS and Meunier, M and Arnold, CB and Niino, H and Geohegan, DB and Trager, F and Dubowski, JJ, ed. <i>PHOTON PROCESSING IN MICROELECTRONICS AND PHOTONICS VII</i> Vol 6879. PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE). p. N8790 doi:10.1117/12.758353.</p>
<p>Hoerstmann-Jungemann M, Gottmann J, Wortmann D (2009). Nano- and Microstructuring of SiO<sub>2</sub> and Sapphire with Fs-laser Induced Selective Etching. <i>J LASER MICRO Nanoeng</i> <b>4</b>(2):135-140.</p>

	<p>Khaleeq-ur-Rahman M, Siraj K, Rafique MS, Bhatti KA, Latif A, Jamil H, Basit M (2009). Laser induced plasma plume imaging and surface morphology of silicon. Nucl INSTRUMENTS METHODS Phys Res Sect B-BEAM Interact WITH Mater ATOMS <b>267</b>(7):1085-1088. doi:10.1016/j.nimb.2009.02.053.</p> <p>Chen XY, Lin J, Liu JM, Liu ZG (2009). Formation and evolution of self-organized hexagonal patterns on silicon surface by laser irradiation in water. Appl Phys A-MATERIALS Sci Process <b>94</b>(3):649-656. doi:10.1007/s00339-008-4894-3.</p> <p>Gottmann J, Wortmann D, Hoerstmann-Jungemann M (2009). Fabrication of sub-wavelength surface ripples and in-volume nanostructures by fs-laser induced selective etching. Appl Surf Sci <b>255</b>(10):5641-5646. doi:10.1016/j.apsusc.2008.10.097.</p> <p>Loeschner K, Seifert G, Heilmann A (2010). Self-organized, gratinglike nanostructures in polymer films with embedded metal nanoparticles induced by femtosecond laser irradiation. J Appl Phys <b>108</b>(7). doi:10.1063/1.3490191.</p> <p>Rebollar E, de Aldana JR, Martin-Fabiani I, Hernandez M, Rueda DR, Ezquerro TA, Domingo C, Moreno P, Castillejo M (2013). Assessment of femtosecond laser induced periodic surface structures on polymer films. Phys Chem Chem Phys <b>15</b>(27):11287-11298. doi:10.1039/c3cp51523k.</p> <p>Vignes RM, Soules TF, Stolken JS, Settgest RR, Elhadj S, Matthews MJ (2013). Thermomechanical Modeling of Laser-Induced Structural Relaxation and Deformation of Glass: Volume Changes in Fused Silica at High Temperatures. J Am Ceram Soc <b>96</b>(1):137-145. doi:10.1111/jace.12110.</p> <p>Teodorescu VS, Ghica C, Maraloiu A V, Vlaicu M, Kuncser A, Ciurea ML, Stavarache I, Lepadatu AM, Scarisoreanu ND, Andrei A, Ion V, Dinescu M (2015). Nanostructuring of GeTiO amorphous films by pulsed laser irradiation. BEILSTEIN J Nanotechnol <b>6</b>:893-900. doi:10.3762/bjnano.6.92.</p>	
<p>Opris I, Barborica A, Ferrera VP (2005). Effects of electrical micro stimulation in monkey frontal eye field on saccades to remembered targets. Vision Res <b>45</b>(27):3414-3429. doi:10.1016/j.visres.2005.03.014.</p>	<p>Liu J (2006). Understanding the neural correlates of visual perception: A survey of our toolbox. Rev Neurosci <b>17</b>(4):455-468.</p> <p>Curtis CE, D'Esposito M (2006). Selection and maintenance of saccade goals in the human frontal eye fields. J Neurophysiol <b>95</b>(6):3923-3927. doi:10.1152/jn.01120.2005.</p> <p>Hanks TD, Ditterich J, Shadlen MN (2006). Microstimulation of macaque area LIP affects decision-making in a motion discrimination task. Nat Neurosci <b>9</b>(5):682-689. doi:10.1038/nn1683.</p> <p>Hallett M (2007). Volitional control of movement: The physiology of free will. Clin Neurophysiol <b>118</b>(6):1179-1192. doi:10.1016/j.clinph.2007.03.019.</p> <p>White III RL, Snyder LH (2007). Subthreshold microstimulation in frontal eye fields updates spatial memories. Exp BRAIN Res <b>181</b>(3):477-492. doi:10.1007/s00221-007-0947-7.</p> <p>O'Shea J, Muggleton NG, Cowey A, Walsh V (2007). Human frontal eye fields and spatial priming of pop-out. J Cogn Neurosci <b>19</b>(7):1140-1151. doi:10.1162/jocn.2007.19.7.1140.</p>	<p>0.266667</p>



	<p>White III RL, Snyder LH (2007). Spatial constancy and the brain: insights from neural networks. <i>Philos Trans R Soc B-BIOLOGICAL Sci</i> <b>362</b>(1479):375-382. doi:10.1098/rstb.2006.1965.</p> <p>Johnston K, Everling S (2008). Neurophysiology and neuroanatomy of reflexive and voluntary saccades in non-human primates. <i>BRAIN Cogn</i> <b>68</b>(3):271-283. doi:10.1016/j.bandc.2008.08.017.</p> <p>Opris I, Hampson RE, Gerhardt GA, Berger TW, Deadwyler SA (2012). Columnar Processing in Primate pFC: Evidence for Executive Control Microcircuits. <i>J Cogn Neurosci</i> <b>24</b>(12):2334-2347.</p> <p>Opris I, Fuqua JL, Huettl PF, Gerhardt GA, Berger TW, Hampson RE, Deadwyler SA (2012). Closing the loop in primate prefrontal cortex: inter-laminar processing. <i>Front Neural Circuits</i> <b>6</b>. doi:10.3389/fncir.2012.00088.</p> <p>Hampson RE, Gerhardt GA, Marmarelis V, Song D, Opris I, Santos L, Berger TW, Deadwyler SA (2012). Facilitation and restoration of cognitive function in primate prefrontal cortex by a neuroprosthesis that utilizes minicolumn-specific neural firing. <i>J Neural Eng</i> <b>9</b>(5). doi:10.1088/1741-2560/9/5/056012.</p> <p>Hampson RE, Fuqua JL, Huettl PF, Opris I, Song D, Shin D, Marmarelis VZ, Berger TW, Gerhardt GA, Deadwyler SA (2013). Conformal Ceramic Electrodes That Record Glutamate Release and Corresponding Neural Activity in Primate Prefrontal Cortex. In: <i>2013 35TH ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY (EMBC)</i> IEEE Engineering in Medicine and Biology Society Conference Proceedings. pp. 5954-5957</p> <p>Opris L, Ferrera VP (2014). Modifying cognition and behavior with electrical microstimulation: Implications for cognitive prostheses. <i>Neurosci Biobehav Rev</i> <b>47</b>:321-335. doi:10.1016/j.neubiorev.2014.09.003.</p> <p>Opris I, Fuqua JL, Gerhardt GA, Hampson RE, Deadwyler SA (2015). Prefrontal cortical recordings with biomorphic MEAs reveal complex columnar-laminar microcircuits for BCI/BMI implementation. <i>J Neurosci Methods</i> <b>244</b>(SI):104-113. doi:10.1016/j.jneumeth.2014.05.029.</p>	
<p>Novak P, Przybyszewski AW, Barborica A, Ravin P, Margolin L, Pilitsis JG (2011). Localization of the subthalamic nucleus in Parkinson disease using multiunit activity. <i>J Neurol Sci</i> <b>310</b>(1-2):44-49. doi:10.1016/j.jns.2011.07.027.</p>	<p>Przybyszewski AW (2013). Deep brain stimulation. <i>J Neurosurg</i> <b>119</b>(4):1080. doi:10.3171/2011.2.JNS101964.</p> <p>Anderson D, Kartha N (2013). Deep Brain Stimulation in Nonparkinsonian Movement Disorders and Emerging Technologies, Targets, and Therapeutic Promises in Deep Brain Stimulation. <i>Neurol Clin</i> <b>31</b>(3):809+. doi:10.1016/j.ncl.2013.03.008.</p> <p>Karamintziou SD, Tsirogiannis GL, Stathis PG, Tagaris GA, Boviatsis EJ, Sakas DE, Nikita KS (2014). Supporting clinical decision making during deep brain stimulation surgery by means of a stochastic dynamical model. <i>J Neural Eng</i> <b>11</b>(5). doi:10.1088/1741-2560/11/5/056019.</p> <p>Ruach R, Mitelman R, Sherman E, Cohen O, Prut Y (2015). An assumption-free quantification of neural responses to electrical stimulations. <i>J Neurosci Methods</i> <b>254</b>:10-17. doi:10.1016/j.jneumeth.2015.07.005.</p> <p>Azodi-Avval R, Gharabaghi A (2015). Phase-dependent modulation as a novel approach for therapeutic brain stimulation. <i>Front Comput Neurosci</i> <b>9</b>. doi:10.3389/fncom.2015.00026.</p>	0.096429

	<p>Knieling S, Sridharan KS, Belardinelli P, Naros G, Weiss D, Mormann F, Gharabaghi A (2016). An Unsupervised Online Spike-Sorting Framework. <i>Int J Neural Syst</i> <b>26</b>(5). doi:10.1142/S0129065715500422.</p> <p>Telkes I, Jimenez-Shahed J, Viswanathan A, Abosch A, Ince NF (2016). Prediction of STN-DBS Electrode Implantation Track in Parkinson's Disease by Using Local Field Potentials. <i>Front Neurosci</i> <b>10</b>. doi:10.3389/fnins.2016.00198.</p> <p>Ciecierski KA, Mandat T (2016). Detection of SNr Recordings Basing upon Spike Shape Classes and Signal's Background. In: Ascoli, GA and Hawrylycz, M and Ali, H and Khazanchi, D and Shi, Y, ed. <i>Brain Informatics and Health</i> Vol 9919. Lecture Notes in Artificial Intelligence. pp. 336-345 doi:10.1007/978-3-319-47103-7_33.</p> <p>Bakstein E, Sieger T, Novak D, Jech R (2016). Probabilistic Model of Neuronal Background Activity in Deep Brain Stimulation Trajectories. In: Renda, ME and Bursa, M and Holzinger, A and Khuri, S, ed. <i>Information Technology in Bio- and Medical Informatics</i> Vol 9832. Lecture Notes in Computer Science. pp. 97-111 doi:10.1007/978-3-319-43949-5_7.</p>	
<p>Balanescu B, Franklin R, Ciurea J, Mindruta I, Rasina A, Bobulescu RC, Donos C, Barborica A (2014). A personalized stereotactic fixture for implantation of depth electrodes in stereoelectroencephalography. <i>Stereotact Funct Neurosurg</i> <b>92</b>(2):117-125.</p>	<p>Cardinale F, Pero G, Quilici L, Piano M, Colombo P, Moscato A, Castana L, Casaceli G, Fuschillo D, Gennari L, Cenzato M, Lo Russo G, Cossu M (2015). Cerebral Angiography for Multimodal Surgical Planning in Epilepsy Surgery: Description of a New Three-Dimensional Technique and Literature Review. <i>World Neurosurg</i> <b>84</b>(2):358-367. doi:10.1016/j.wneu.2015.03.028.</p> <p>Tack P, Victor J, Gemmel P, Annemans L (2016). 3D-printing techniques in a medical setting: a systematic literature review. <i>Biomed Eng Online</i> <b>15</b>. doi:10.1186/s12938-016-0236-4.</p> <p>Dadey DYA, Kamath AA, Smyth MD, Chicoine MR, Leuthardt EC, Kim AH (2016). Utilizing personalized stereotactic frames for laser interstitial thermal ablation of posterior fossa and mesiotemporal brain lesions: a single-institution series. <i>Neurosurg Focus</i> <b>41</b>(4). doi:10.3171/2016.7.FOCUS16207.</p> <p>Mullin JP, Shriver M, Alomar S, Najm I, Bulacio J, Chauvel P, Gonzalez-Martinez J (2016). Is SEEG safe? A systematic review and meta-analysis of stereo-electroencephalography-related complications. <i>Epilepsia</i> <b>57</b>(3):386-401. doi:10.1111/epi.13298.</p>	0.038095
<p>Toleikis JR, Metman LV, Pilitsis JG, Barborica A, Toleikis SC, Bakay RAE (2012). Effect of intraoperative subthalamic nucleus DBS on human single-unit activity in the ipsilateral and contralateral subthalamic nucleus. <i>J Neurosurg</i> <b>116</b>(5):1134-1143. <a href="http://thejns.org/doi/abs/10.3171/2011.12.JNS102176%5Cnpapers3://publication/doi/10.3171/2011.12.JNS102176">http://thejns.org/doi/abs/10.3171/2011.12.JNS102176%5Cnpapers3://publication/doi/10.3171/2011.12.JNS102176</a>.</p>	<p>Tsai S-T, Chen S-Y (2012). Deep brain stimulation and general anesthesia. <i>J Neurosurg</i> <b>117</b>(6):1207-1208. doi:10.3171/2012.7.JNS121134.</p>	0.053571

	<p>Rosa M, Giannicola G, Marceglia S, Fumagalli M, Barbieri S, Priori A (2012). Neurophysiology of Deep Brain Stimulation. In: Hamani, C and Moro, E, ed. <i>EMERGING HORIZONS IN NEUROMODULATION: NEW FRONTIERS IN BRAIN AND SPINE STIMULATION</i> Vol 107. International Review of Neurobiology. pp. 23-55 doi:10.1016/B978-0-12-404706-8.00004-8.</p> <p>Lozano AM, Lipsman N (2013). Probing and Regulating Dysfunctional Circuits Using Deep Brain Stimulation. <i>Neuron</i> <b>77</b>(3):406-424. doi:10.1016/j.neuron.2013.01.020.</p> <p>Tsai S-T, Chuang W-Y, Kuo C-C, Chao PCP, Chen T-Y, Hung H-Y, Chen S-Y (2015). Dorsolateral subthalamic neuronal activity enhanced by median nerve stimulation characterizes Parkinson's disease during deep brain stimulation with general anesthesia. <i>J Neurosurg</i> <b>123</b>(6):1394-1400. doi:10.3171/2014.11.JNS141208.</p> <p>Gerard CS, Metman LV, Pal G, Karl J, Sani S (2016). Severe, Symptomatic, Self-limited Unilateral DBS Lead Edema Following Bilateral Subthalamic Nucleus Implantation Case Report and Review of the Literature. <i>Neurologist</i> <b>21</b>(4):58-60. doi:10.1097/NRL.000000000000082.</p>	
<p>Opris I, Barborica A, Ferrera VP (2003). Comparison of performance on memory-guided saccade and delayed spatial match-to-sample tasks in monkeys. <i>Vision Res</i> <b>43</b>(3):321-332.</p>	<p>Li N, Wei M, Angelaki DE (2005). Primate memory saccade amplitude after intervened motion depends on target distance. <i>J Neurophysiol</i> <b>94</b>(1):722-733. doi:10.1152/jn.01339.2004.</p> <p>Edelman JA, Valenzuela N, Barton JJS (2006). Antisaccade velocity, but not latency, results from a lack of saccade visual guidance. <i>Vision Res</i> <b>46</b>(8-9):1411-1421. doi:10.1016/j.visres.2005.09.013.</p> <p>Opris I, Hampson RE, Gerhardt GA, Berger TW, Deadwyler SA (2012). Columnar Processing in Primate pFC: Evidence for Executive Control Microcircuits. <i>J Cogn Neurosci</i> <b>24</b>(12):2334-2347.</p> <p>Dobrev MS, O'Neill WE, Paige GD (2012). Influence of age, spatial memory, and ocular fixation on localization of auditory, visual, and bimodal targets by human subjects. <i>Exp BRAIN Res</i> <b>223</b>(4):441-455. doi:10.1007/s00221-012-3270-x.</p> <p>Opris I, Fuqua JL, Gerhardt GA, Hampson RE, Deadwyler SA (2015). Prefrontal cortical recordings with biomorphic MEAs reveal complex columnar-laminar microcircuits for BCI/BMI implementation. <i>J Neurosci Methods</i> <b>244</b>(SI):104-113. doi:10.1016/j.jneumeth.2014.05.029.</p>	0.095238
<p>Ferrera VP, Barborica A (2006). A flashing line can warp your mind. <i>Neuron</i> <b>49</b>(3):327-329.</p>	<p>Bosco G, Carrozzo M, Lacquaniti F (2008). Contributions of the Human Temporoparietal Junction and MT/V5+ to the Timing of Interception Revealed by Transcranial Magnetic Stimulation. <i>J Neurosci</i> <b>28</b>(46):12071-12084. doi:10.1523/JNEUROSCI.2869-08.2008.</p> <p>Zago M, Lacquaniti F (2008). Compensation for time delays is better achieved in time than in space. <i>Behav Brain Sci</i> <b>31</b>(2):221+. doi:10.1017/S0140525X08004056.</p> <p>Zago M, McIntyre J, Senot P, Lacquaniti F (2009). Visuo-motor coordination and internal models for object interception. <i>Exp BRAIN Res</i> <b>192</b>(4):571-604. doi:10.1007/s00221-008-1691-3.</p> <p>Zago M, Iosa M, Maffei V, Lacquaniti F (2010). Extrapolation of vertical target motion through a brief visual occlusion. <i>Exp BRAIN Res</i> <b>201</b>(3):365-384. doi:10.1007/s00221-009-2041-9.</p>	0.114286
<b>Total activitatea A.3</b>		<b>6.964079</b>

### Tabel Sintetic

Activitate	Punctaj minimal	Punctaj realizat
A1. Activitatea didactică / profesională	2	2.40
A2. Activitatea de cercetare	4	21.71
A3. Recunoaștere și impactul activității	2	6.96
<b>TOTAL</b>	<b>8</b>	<b>31.07</b>