

**CRITERII MINIMALE PENTRU OBTINEREA ATESTATULUI DE ABILITARE
CRISTIAN MIHAI CAZACU**

PUBLICAȚII

Nr. crt.	Articol, referință bibliografică	Publicat în ultimii 7 ani	s_i	n_i	s_i/n_i
1	C. Cazacu, On Hardy inequalities with boundary singularities, C. R. Acad. Sci. Paris , Ser. I 349 (2011), no. 5-6, 273–277.	DA	0.917	1	0.917
2	C. Cazacu, Hardy inequality and Pohozaev identity for operators with boundary singularities: some applications, C. R. Acad. Sci. Paris , Ser. I 349 (2011), no. 21-22, 1167–1172	DA	0.917	1	0.917
3	C. Cazacu, Schrödinger operators with boundary singularities: Hardy inequality, Pohozaev identity and controllability results, J. Funct. Anal. 263 (2012), no. 12, 3741–3783.	DA	2.524	1	2.524
4	C. Cazacu, Controllability of the heat equation with an inverse-square potential localized on the boundary, SIAM J. Control Optim. 52 (2014), no. 4, 2055–2089.	DA	2.790	1	2.790
5	C. Cazacu, New estimates for the Hardy constants of multipolar Schrödinger operators, Commun. Contemp. Math. 18 (2016), no. 5, 1550093, 28 pp.	DA	1.954	1	1.954
6	C. Cazacu, D. Krejčířík, The Hardy inequality and the heat equation with magnetic field in any dimension, Comm. Partial Differential Equations 41 (2016), no. 7, 1056–1088	DA	3.177	2	1.5885
7	C. Cazacu, L. Ignat, A. Pazoto, On the asymptotic behavior of a subcritical convection diffusion equation with nonlocal diffusion, Nonlinearity , 30 (2017), no. 8, 3126–3150.	DA	2.054	3	0.6847
TOTAL: S=11.375 > 5		S_{recent}=11.375 > 2.5			

CITĂRI

Nr. crt.	Articolul citat, referință bibliografică	Revista și articolul în care a fost citat	s_i	an SRI
1	<p>C. Cazacu: Schrödinger operators with boundary singularities: Hardy inequality, Pohozaev identity and controllability results, J. Funct. Anal. 263 (2012), no. 12, 3741–3783</p>	J. L. Vázquez, N. B. Zographopoulos: Hardy type inequalities and hidden energies, Discrete Contin. Dyn. Syst.-A 33 (2013), no. 11-12, 5457–5491.	1.626	2016
2		Q. Lü: Exact controllability for stochastic Schrödinger equations, J. Differential Equations 255 (2013), no. 8, 2484–2504.	2.596	2017
3		G. P. Trachanas, N. B. Zographopoulos: A strongly singular parabolic problem on an unbounded domain, Commun. Pure Appl. Anal. 13 (2014), no. 2, 789–809.	1.170	2017
4		X. R.-Oton, J. Serra: Local integration by parts and Pohozaev identities for higher order fractional Laplacians, Discrete Contin. Dyn. Syst. A 35 (2015), 2131- 2150.	1.626	2016
5		M. Egert, R. Haller-Dintelmann, J. Rehberg: Hardy’s Inequality for Functions Vanishing on a Part of the Boundary, Potential Anal. 43 (2015), no. 1, 49–78.	1.728	2014
6		X. R.-Oton, J. Serra, E. Valdinoci: Pohozaev identities for anisotropic integrodifferential operators, Comm. Partial Differential Equations 42 (2017), no. 8, 1290–1321.	3.177	2016
7		U. Bicarri, E. Zuazua: Null controllability for a heat equation with a singular inversesquare potential involving the distance to the boundary function, J. Differential Equations 261 (2016), no. 5, 2809–2853.	2.596	2017
8		G. Barbatis, S. Filippas, A. Tertikas: Sharp Hardy and Hardy-Sobolev inequalities with point singularities on the boundary, J. Math. Pures Appl. (acceptat la publicare)	3.287	2017
9	<p>C. Cazacu: On Hardy inequalities with singularities on the boundary, C. R. Math. Acad. Sci. Paris, Sér. I 349 (2011), no. 5-6, 273-277.</p>	D. Su, Q.-H. Yang: On the best constants of Hardy inequality in $R^n - kx(R^+)^k$ and related improvements, J. Math. Anal. Appl. 389 (2012), no. 1, 48–53.	1.168	2014
10		Adimurthi: Best constants and Pohozaev identity for Hardy-Sobolev-type operators, Commun. Contemp. Math. 15 (2013), no. 3, 1250050, 23 pp.	1.954	2014

11	C. Cazacu: On Hardy inequalities with singularities on the boundary, C. R. Math. Acad. Sci. Paris, Sér. I 349 (2011), no. 5-6, 273-277.	M. M. Fall, F. Mahmoudi: Weighted Hardy inequality with higher dimensional singularity on the boundary, Calc. Var. Partial Differential Equations 50 (2014), no. 3-4, 779–798.	3.223	2015
12		K. Tzirakis: Improving interpolated Hardy and trace Hardy inequalities on bounded domains, Nonlinear Anal. 127 (2015), 17–34.	1.274	2017
13		B. Devyver, Y. Pinchover, G. Psaradakis: Optimal Hardy inequalities in cones, Proc. Roy. Soc. Edinburgh Sect. A 147 (2017), no. 1, 89–124.	1.869	2017
14		G. Barbatis, S. Filippas, A. Tertikas: Sharp Hardy and Hardy-Sobolev inequalities with point singularities on the boundary, J. Math. Pures Appl. (acceptat la publicare)	3.287	2017
15	C. Cazacu, Controllability of the heat equation with an inverse-square potential localized on the boundary, SIAM J. Control Optim. 52 (2014), no. 4, 2055–2089.	P. Martin, P. Rouchon, L. Rosier: Null controllability of one-dimensional parabolic equations, SIAM J. Control Optim. 54 (2016), no. 1, 198–220.	2.790	2014
16		C. T. Anh, V. M. Toi: Null controllability in large time of a parabolic equation involving the Grushin operator with an inverse-square potential, NoDEA Nonlinear Differential Equations Appl. 23 (2016), no. 2, Art. 20, 26 pp.	1.516	2014
17		U. Bicarri, E. Zuazua: Null controllability for a heat equation with a singular inversesquare potential involving the distance to the boundary function, J. Differential Equations 261 (2016), no. 5, 2809–2853.	2.596	2017
18		I. Moyano, Flatness for a strongly degenerate 1-D parabolic equation, Math. Control Signals Syst. 28 (2016), no. 4, art. 28.	1.984	2014
19		G. Fragnelli, D. Mugnai: Carleman estimates for singular parabolic equations with interior degeneracy and non-smooth coefficients, Adv. Nonlinear Anal. 6 (2017), no. 1, 61–84.	2.255	2.255
20		G. Barbatis, S. Filippas, A. Tertikas: Sharp Hardy and Hardy-Sobolev inequalities with point singularities on the boundary, J. Math. Pures Appl. (acceptat la publicare)	3.287	2017
21	C. Cazacu, New estimates for the Hardy constants of multipolar Schrödinger operators, Commun. Contemp. Math. 18 (2016), no. 5, 1550093, 28 pp.	F. Gesztesy, M. Mitrea, I. Nenciu, G. Teschl: Decoupling of deficiency indices and applications to Schrödinger-type operators with possibly strongly singular potentials, Adv. Math. 301 (2016), 1022–1061.	3.513	2017

22	C. Cazacu, New estimates for the Hardy constants of multipolar Schrödinger operators, Commun. Contemp. Math. 18 (2016), no. 5, 1550093, 28 pp.	B. Devyver, Y. Pinchover, G. Psaradakis: Optimal Hardy inequalities in cones, Proc. Roy. Soc. Edinburgh Sect. A 147 (2017), no. 1, 89–124.	1.869	2017
23		A. Canale, F. Pappalardo: Weighted Hardy inequalities and Ornstein-Uhlenbeck type operators perturbed by multipolar inverse square potentials, J. Math. Anal. Appl. 463 (2018), no. 2, 895–909.	1.168	2014
24	C. Cazacu and D. Krejčířík, The Hardy inequality and the heat equation with magnetic field in any dimension, Comm. Partial Differential Equations 41 (2016), no. 7, 1056–1088.	G. P. Trachanas, N. B. Zographopoulos: Orbital Stability for the Schrödinger Operator Involving Inverse Square Potential, J. Differential Equations 259 (2015), no. 10, 4989–5016.	2.596	2017
25		L. Fanelli, G. Grillo, H. Kovařík: Improved time-decay for a class of scaling critical electromagnetic Schrödinger flows, J. Funct. Anal. 269 (2015), no. 10, 3336–3346.	2.524	2017
26		D. Krejčířík: The Hardy inequality and the heat flow in curved wedges, Port. Math. 73 (2016), no. 2, 91–113.	0.846	2017
27		M. Tusek: On an extension of the Iwatsuka model, J. Phys. A: Math. Theor. 49 (2016) 365–205.	2.080	2017
28		L. Fanelli, V. Felli, M. Fontelos, A. Primo, Frequency-dependent time decay of Schrödinger flows, J. Spectral Theory 8 (2018) no. 2, 509–521	1.948	2015
29		F. Faraci, C. Farcas, A. Kristaly: Multipolar Hardy inequalities on Riemannian manifolds, ESAIM: COCV 24 (2018), no. 2, 551–567.	2.161	2017
30	C. Cazacu, E. Zuazua: Improved multipolar Hardy inequalities, Studies in Phase Space Analysis with Applications to PDEs. Progress in Nonlinear Differential Equations Appl., 84, Birkhäuser/Springer, New York (2013), 35–52, ISBN: 978-1-4614-6347-4.	A. Canale, F. Pappalardo: Weighted Hardy inequalities and Ornstein-Uhlenbeck type operators perturbed by multipolar inverse square potentials, J. Math. Anal. Appl. 463 (2018), no. 2, 895–909.	1.168	2014
31		B. Devyver, M. Fraas, Y. Pinchover: Optimal Hardy weight for second-order elliptic operator: an answer to a problem of Agmon, J. Funct. Anal. 266 (2014), no. 7, 4422–4489.	2.524	2017
32		B. Devyver: A spectral result for Hardy inequalities, J. Math. Pures Appl. (9) 102 (2014), no. 5, 813–853.	3.287	2017

33	C. Cazacu: Hardy inequality and Pohozaev identity for operators with boundary singularities: some applications, C. R. Acad. Sci. Paris, Ser. I 349 (2011), no. 21-22, 1167–1172.	Adimurthi: Best constants and Pohozaev identity for Hardy-Sobolev-type operators, Commun. Contemp. Math. 15 (2013), no. 3, 1250050, 23 pp.	1.954	2014
34		G. Barbatis, S. Filippas, A. Tertikas: Sharp Hardy and Hardy-Sobolev inequalities with point singularities on the boundary, J. Math. Pures Appl. (acceptat la publicare)	3.287	2017
35	C. Cazacu, L. Ignat and A. Pazoto, On the asymptotic behavior of a subcritical convection diffusion equation with nonlocal diffusion, Nonlinearity 30 (2017), no. 8, 3126–3150.	L. Ignat, T. Ignat: Long time behavior for a nonlocal convection diffusion equation, J. Math. Anal. Appl. 455 (2017), no. 1, 816–831.	1.168	2014
36		L. Ignat, D. Stan: Asymptotic behaviour for fractional diffusion-convection equations, J. Lond. Math. Soc. 97 (2018), 258-281	2.245	2017
C=36 > 12				