

Lucio Boccardo

List of Publications by Year in descending order

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122
papers

3,853
citations

218677

26
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128289

60
g-index

127
all docs

127
docs citations

127
times ranked

725
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-linear elliptic and parabolic equations involving measure data. Journal of Functional Analysis, 1989, 87, 149-169.	1.4	756
2	Almost everywhere convergence of the gradients of solutions to elliptic and parabolic equations. Nonlinear Analysis: Theory, Methods & Applications, 1992, 19, 581-597.	1.1	345
3	Nonlinear Parabolic Equations with Measure Data. Journal of Functional Analysis, 1997, 147, 237-258.	1.4	229
4	Existence of bounded solutions for non linear elliptic unilateral problems. Annali Di Matematica Pura Ed Applicata, 1988, 152, 183-196.	1.0	228
5	Existence and uniqueness of entropy solutions for nonlinear elliptic equations with measure data. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1996, 13, 539-551.	1.4	220
6	Semilinear elliptic equations with singular nonlinearities. Calculus of Variations and Partial Differential Equations, 2010, 37, 363-380.	1.7	188
7	Existence results for nonlinear elliptic equations with degenerate coercivity. Annali Di Matematica Pura Ed Applicata, 2003, 182, 53-79.	1.0	124
8	Nonlinear Elliptic Equations in \mathbb{R}^N without Growth Restrictions on the Data. Journal of Differential Equations, 1993, 105, 334-363.	2.2	110
9	Strongly nonlinear elliptic equations having natural growth terms and L^1 data. Nonlinear Analysis: Theory, Methods & Applications, 1992, 19, 573-579.	1.1	99
10	Some remarks on a system of quasilinear elliptic equations. Nonlinear Differential Equations and Applications, 2002, 9, 309-323.	0.8	98
11	Existence results for some quasilinear parabolic equations. Nonlinear Analysis: Theory, Methods & Applications, 1989, 13, 373-392.	1.1	79
12	Existence and nonexistence of solutions for some nonlinear elliptic equations. Journal D'Analyse Mathematique, 1997, 73, 203-223.	0.8	76
13	Critical points for multiple integrals of the calculus of variations. Archive for Rational Mechanics and Analysis, 1996, 134, 249-274.	2.4	73
14	A Dirichlet problem involving critical exponents. Nonlinear Analysis: Theory, Methods & Applications, 1995, 24, 1639-1648.	1.1	69
15	Dirichlet problems with singular and gradient quadratic lower order terms. ESAIM - Control, Optimisation and Calculus of Variations, 2008, 14, 411-426.	1.3	68
16	Sulla convergenza delle soluzioni di disequazioni variazionali. Annali Di Matematica Pura Ed Applicata, 1976, 110, 137-159.	1.0	60
17	Bounded and unbounded solutions for a class of quasi-linear elliptic problems with a quadratic gradient term. Journal Des Mathematiques Pures Et Appliquees, 2001, 80, 919-940.	1.6	57
18	Some elliptic problems with singular natural growth lower order terms. Journal of Differential Equations, 2010, 249, 2771-2795.	2.2	52

#	ARTICLE	IF	CITATIONS
19	Generalization of Fredholm alternative for nonlinear differential operators. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1986, 10, 1083-1103.	1.1	50
20	A remark on existence and optimal summability of solutions of elliptic problems involving Hardy potential. <i>Discrete and Continuous Dynamical Systems</i> , 2006, 16, 513-523.	0.9	43
21	Dirichlet problems with singular convection terms and applications. <i>Journal of Differential Equations</i> , 2015, 258, 2290-2314.	2.2	39
22	Some remarks on critical point theory for nondifferentiable functionals. <i>Nonlinear Differential Equations and Applications</i> , 1999, 6, 79-100.	0.8	35
23	Nonlinear degenerate elliptic problems with $W^{1,1}(\Omega)$ solutions. <i>Manuscripta Mathematica</i> , 2012, 137, 419-439.	0.6	34
24	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \langle \text{mml:msubsup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ in some borderline cases of Calderonâ€™Zygmund theory. <i>Journal of Differential Equations</i> , 2012, 253, 2698-2714.	2.2	33
25	A Dirichlet problem with singular and supercritical nonlinearities. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 4436-4440.	1.1	32
26	Regularizing effect of the interplay between coefficients in some elliptic equations. <i>Journal of Functional Analysis</i> , 2015, 268, 1153-1166.	1.4	30
27	Some noncoercive parabolic equations with lower order terms in divergence form. <i>Journal of Evolution Equations</i> , 2003, 3, 407-418.	1.1	28
28	Marcinkiewicz estimates for solutions of some elliptic problems with nonregular data. <i>Annali Di Matematica Pura Ed Applicata</i> , 2009, 188, 591-601.	1.0	26
29	Two Linear Noncoercive Dirichlet Problems in Duality. <i>Milan Journal of Mathematics</i> , 2018, 86, 97-104.	1.1	23
30	Regularizing effect of L interplay between coefficients in some elliptic equations. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2018, 111, 106-125.	1.6	21
31	Some properties of solutions of some semilinear elliptic singular problems and applications to the G-convergence. <i>Asymptotic Analysis</i> , 2014, 86, 1-15.	0.5	20
32	Some Elliptic Problems With Degenerate Coercivity. <i>Advanced Nonlinear Studies</i> , 2006, 6, 1-12.	1.7	19
33	Existence Results Via Regularity For Some Nonlinear Elliptic Problems. <i>Communications in Partial Differential Equations</i> , 1989, 14, 663-680.	2.2	18
34	Existence results for dirichlet problems in L1 via minty's lemma. <i>Applicable Analysis</i> , 2000, 76, 309-317.	1.3	18
35	Summability and existence results for nonlinear parabolic equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, 978-990.	1.1	18
36	Nonlinear Systems of Elliptic Equations with Natural Growth Conditions and Sign Conditions. <i>Applied Mathematics and Optimization</i> , 2002, 46, 143-166.	1.6	16

#	ARTICLE	IF	CITATIONS
37	Existence results for quasilinear elliptic and parabolic problems with quadratic gradient terms and sources. <i>Advances in Calculus of Variations</i> , 2011, 4, .	1.2	15
38	Critical points for functionals with quasilinear singular Euler-Lagrange equations. <i>Calculus of Variations and Partial Differential Equations</i> , 2013, 47, 159-180.	1.7	14
39	A Contribution to the Theory of Quasilinear Elliptic Equations and Application to the Minimization of Integral Functionals. <i>Milan Journal of Mathematics</i> , 2011, 79, 193-206.	1.1	13
40	Sublinear elliptic systems with a convection term. <i>Communications in Partial Differential Equations</i> , 2020, 45, 690-713.	2.2	13
41	An L^s -estimate for the gradient of solutions of some nonlinear unilateral problems. <i>Annali Di Matematica Pura Ed Applicata</i> , 1985, 141, 277-287.	1.0	12
42	A property of nonlinear elliptic equations when the right-hand side is a measure. <i>Potential Analysis</i> , 1994, 3, 257-263.	0.9	12
43	Strongly coupled elliptic equations related to mean-field games systems. <i>Journal of Differential Equations</i> , 2016, 261, 1796-1834.	2.2	12
44	EXISTENCE OF FINITE ENERGY SOLUTIONS FOR ELLIPTIC SYSTEMS WITH $L^{1,1}$ -VALUED NONLINEARITIES. <i>Mathematical Models and Methods in Applied Sciences</i> , 2008, 18, 669-687.	3.3	11
45	Strongly nonlinear unilateral problems. <i>Applied Mathematics and Optimization</i> , 1982, 9, 291-301.	1.6	10
46	Existence of critical points for some noncoercive functionals. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2001, 18, 437-457.	1.4	10
47	On the regularizing effect of strongly increasing lower order terms. <i>Journal of Evolution Equations</i> , 2003, 3, 225-236.	1.1	10
48	A Class of Quasilinear Dirichlet Problems with Unbounded Coefficients and Singular Quadratic Lower Order Terms. <i>Milan Journal of Mathematics</i> , 2015, 83, 157-176.	1.1	10
49	Stampacchia-Zygmund theory for linear elliptic equations with discontinuous coefficients and singular drift. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2019, 25, 47.	1.3	10
50	Homogenization of Nonlinear Unilateral Problems. , 1991, , 81-105.		9
51	The Regularizing Effect of Lower Order Terms in Elliptic Problems Involving Hardy Potential. <i>Advanced Nonlinear Studies</i> , 2017, 17, 311-317.	1.7	9
52	Some degenerate parabolic problems: Existence and decay properties. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2014, 7, 617-629.	1.1	8
53	Regularizing effect for a system of Schrödinger-Maxwell equations. <i>Advances in Calculus of Variations</i> , 2018, 11, 75-87.	1.1	8
54	Regularizing effect for a system of Schrödinger-Maxwell equations. <i>Advances in Calculus of Variations</i> , 2018, 11, 75-87.	1.2	8

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55	Very singular solutions for linear Dirichlet problems with singular convection terms. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2020, 194, 111437.	1.1	8
56	Bounded Solutions for a Class of Quasi-linear Parabolic Problems with a Quadratic Gradient Term. , 2002, , 39-48.		7
57	A variational semilinear singular system. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 3849-3860.	1.1	7
58	A quasilinear elliptic system with natural growth terms. <i>Annali Di Matematica Pura Ed Applicata</i> , 2015, 194, 1733-1750.	1.0	7
59	Regularity results and asymptotic behavior for a noncoercive parabolic problem. <i>Journal of Evolution Equations</i> , 2021, 21, 2195-2211.	1.1	6
60	On an elliptic chemotaxis system with flux limitation and subcritical signal production. <i>Applied Mathematics Letters</i> , 2022, 134, 108299.	2.7	6
61	Existence and stability results for solutions of some strongly nonlinear constrained problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1981, 5, 975-988.	1.1	5
62	The Fatou lemma approach to the existence in quasilinear elliptic equations with natural growth terms. <i>Complex Variables and Elliptic Equations</i> , 2010, 55, 445-453.	0.8	5
63	QUASILINEAR ELLIPTIC EQUATIONS WITH SINGULAR QUADRATIC GROWTH TERMS. <i>Communications in Contemporary Mathematics</i> , 2011, 13, 607-642.	1.2	5
64	Elliptic Systems of Schrödinger Type in the Spirit of Benci-Fortunato. <i>Advanced Nonlinear Studies</i> , 2015, 15, 321-331.	1.7	5
65	Leray-Lions operators with logarithmic growth. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 423, 608-622.	1.0	5
66	The impact of a lower order term in a Dirichlet problem with a singular nonlinearity. <i>Portugaliae Mathematica</i> , 2020, 76, 407-415.	0.4	5
67	On the regularizing effect of strongly increasing lower order terms. , 2003, , 225-236.		5
68	Bounded Positive Critical Points of Some Multiple Integrals of the Calculus of Variations. , 2003, , 33-51.		4
69	Quasilinear elliptic equations with subquadratic growth. <i>Journal of Differential Equations</i> , 2006, 229, 367-388.	2.2	4
70	Minimization Problems with Singular Data. <i>Milan Journal of Mathematics</i> , 2006, 74, 265-278.	1.1	4
71	$W^{1,1}_0$ minima of noncoercive functionals. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2011, 22, 513-523.	0.6	4
72	A failing in the Calderon-Zygmund theory of Dirichlet problems for linear equations with discontinuous coefficients. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2015, 26, 215-221.	0.6	4

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73	Compactness of minimizing sequences. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2016, 137, 213-221.	1.1	4
74	Some elliptic equations with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ solutions. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2017, 153, 130-141.	1.1	4
75	Regularizing effect of the lower order terms in some elliptic problems: old and new. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2018, 29, 387-399.	0.6	4
76	A nonlinear homotopy between two linear Dirichlet problems. <i>Revista Matematica Complutense</i> , 2021, 34, 541-558.	1.2	4
77	Regularizing effect of the interplay between coefficients in some nonlinear Dirichlet problems with distributional data. <i>Annali Di Matematica Pura Ed Applicata</i> , 2020, 199, 1909-1921.	1.0	4
78	A nonlinear interpolation result with application to the summability of minima of some integral functionals. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2009, 11, 31-42.	0.9	3
79	Sublinear Elliptic Equations With Singular Potentials. <i>Advanced Nonlinear Studies</i> , 2012, 12, 187-198.	1.7	3
80	A semilinear problem with a $W^{1,1}_0$ solution. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2012, 23, 97-103.	0.6	3
81	$W^{1,1}_0$ -solutions for elliptic problems having gradient quadratic lower order terms. <i>Nonlinear Differential Equations and Applications</i> , 2013, 20, 1741-1757.	0.8	3
82	Critical points of non-regular integral functionals. <i>Revista Matematica Iberoamericana</i> , 2018, 34, 1001-1020.	0.9	3
83	A quasilinear singular elliptic problem related to the Kardar-Parisi-Zhang equation. <i>Applicable Analysis</i> , 2021, 100, 1096-1106.	1.3	3
84	Regularizing effect of the interplay between coefficients in Dirichlet problems with convection or drift terms. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2021, 27, 47.	1.3	3
85	Weak maximum principle for Dirichlet problems with convection or drift terms. <i>Mathematics in Engineering</i> , 2021, 3, 1-9.	0.9	3
86	Régularité $W_0^{1,p}$ de la solution d'un problème unilatéral. <i>Annales De La Faculté Des Sciences De Toulouse</i> , 1981, 3, 69-74.	0.3	3
87	H-convergence of singular solutions of some Dirichlet problems with terms of order one. <i>Asymptotic Analysis</i> , 2009, 64, 239-249.	0.5	2
88	Existence of solutions and regularizing effect for some elliptic nonlinear problems with nonhomogeneous Neumann boundary conditions. <i>Revista Matematica Complutense</i> , 2015, 28, 263-280.	1.2	2
89	$W^{1,1}(\Omega)$ Solutions of Nonlinear Problems with Nonhomogeneous Neumann Boundary Conditions. <i>Milan Journal of Mathematics</i> , 2015, 83, 279-293.	1.1	2
90	Some borderline cases of nonlinear parabolic equations with irregular data. <i>Journal of Evolution Equations</i> , 2016, 16, 51-64.	1.1	2

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91	The role of interplay between coefficients in the G -convergence of some elliptic equations. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2017, 28, 729-745.	0.6	2
92	Some cases of weak continuity in nonlinear Dirichlet problems. Journal of Functional Analysis, 2019, 277, 3673-3687.	1.4	2
93	Two semilinear Dirichlet problems "almost" in duality. Bolletino Dell Unione Matematica Italiana, 2019, 12, 349-356.	1.0	2
94	Strong Maximum Principle for Some Quasilinear Dirichlet Problems Having Natural Growth Terms. Advanced Nonlinear Studies, 2020, 20, 503-510.	1.7	2
95	An Elliptic System Related to the Stationary Thermistor Problem. SIAM Journal on Mathematical Analysis, 2021, 53, 6910-6931.	1.9	2
96	Stability results for two classes of nonlinear unilateral problems. Numerical Functional Analysis and Optimization, 1987, 9, 447-469.	1.4	1
97	Uniqueness for elliptic problems with Hölder-type dependence on the solution. Communications on Pure and Applied Analysis, 2012, 12, 1569-1585.	0.8	1
98	Existence and regularity results for p-Laplacian boundary value problems. SeMA Journal, 2014, 66, 9-27.	2.0	1
99	G-convergence in a semilinear problem with a $W^{0,1,1}$ solution. Asymptotic Analysis, 2015, 93, 65-74.	0.5	1
100	A quasilinear elliptic equation with $W^{0,1,1}$ solutions. Bolletino Dell Unione Matematica Italiana, 2015, 8, 17-29.	1.0	1
101	Existence via regularity of solutions for elliptic systems and saddle points of functionals of the calculus of variations. Advances in Nonlinear Analysis, 2017, 6, 99-120.	2.6	1
102	Maximum principle thanks to interplay between coefficients in some Dirichlet problems. Applied Mathematics Letters, 2021, 112, 106701.	2.7	1
103	Regularizing Effect of Two Hypotheses on the Interplay Between Coefficients in Some Hamilton-Jacobi Equations. Advanced Nonlinear Studies, 2021, 21, 251-260.	1.7	1
104	Some Dirichlet problems with bad coercivity. Discrete and Continuous Dynamical Systems, 2002, 8, 319-329.	0.9	1
105	A Calderon-Zygmund theory for infinite energy minima of some integral functionals. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2009, 20, 195-205.	0.6	1
106	$W^{0,1,1}$ Solutions in Some Borderline Cases of Elliptic Equations with Degenerate Coercivity. , 2014, , 135-143.		1
107	Nonlinear weighted elliptic equations with Sobolev weights. Bolletino Dell Unione Matematica Italiana, 0, , .	1.0	1
108	Lower order terms in divergence form versus lower order terms with natural growth in some Dirichlet problems. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2022, 116, 1.	1.2	1

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109	Elliptic systems with nonlinear diffusion and a convection term. Discrete and Continuous Dynamical Systems, 2023, 43, 1052-1069.	0.9	1
110	An elliptic system with singular nonlinearities: Existence via non variational arguments. Journal of Mathematical Analysis and Applications, 2022, 516, 126490.	1.0	1
111	An Introduction to Critical Points for Intergral Functionals. Pakistan Journal of Medical Sciences, 2002, 31, 1-12.	0.4	0
112	T-minima. Progress in Nonlinear Differential Equations and Their Application, 2005, , 93-103.	0.9	0
113	A weak minima approach to the study of the existence of saddle points of integral functionals. Nonlinear Analysis: Theory, Methods & Applications, 2018, 177, 88-95.	1.1	0
114	A nonlinear problem with Signorini boundary conditions and non regular data. AIP Conference Proceedings, 2018, , .	0.4	0
115	T-minima for nonlinear parabolic problems: a variational approach for L^1 data. Journal of Evolution Equations, 2018, 18, 1843-1852.	1.1	0
116	T-minima and application to the convergence of some integral functionals with infinite energy minima. Nonlinear Analysis: Theory, Methods & Applications, 2018, 177, 96-104.	1.1	0
117	A semilinear system of Schrödinger-Maxwell equations. Nonlinear Analysis: Theory, Methods & Applications, 2020, 194, 111453.	1.1	0
118	Existence Results for a System of Kirchhoff-Schrödinger-Maxwell Equations. Mediterranean Journal of Mathematics, 2020, 17, 1.	0.8	0
119	L^∞ and L^1 Variations on a Theme of Γ -Convergence. , 1989, , 135-147.		0
120	L^∞ and L^1 Variations on a Theme of Γ -Convergence. , 1989, , 135-147.		0
121	Hardy potential versus lower order terms in Dirichlet problems: regularizing effects. Mathematics in Engineering, 2022, 5, 1-14.	0.9	0
122	The duality method for mean field games systems. Communications on Pure and Applied Analysis, 2022, ,	0.8	0