Giuseppe Mingione

List of Publications by Year
in descending order

105 papers	8,371 citations	41627 51 h-index	51423 90 g-index
111 all docs	111 docs citations	111 times ranked	908 citing authors

#	Article	IF	Citations
1	Interpolative gap bounds for nonautonomous integrals. Analysis and Mathematical Physics, 2021, 11, 1.	0.6	13
2	Lipschitz Bounds and Nonautonomous Integrals. Archive for Rational Mechanics and Analysis, 2021, 242, 973-1057.	1.1	69
3	Recent developments in problems with nonstandard growth and nonuniform ellipticity. Journal of Mathematical Analysis and Applications, 2021, 501, 125197.	0.5	146
4	Developments and perspectives in Nonlinear Potential Theory. Nonlinear Analysis: Theory, Methods & Applications, 2020, 194, 111452.	0.6	15
5	Manifold Constrained Non-uniformly Elliptic Problems. Journal of Geometric Analysis, 2020, 30, 1661-1723.	0.5	58
6	On the Regularity of Minima of Non-autonomous Functionals. Journal of Geometric Analysis, 2020, 30, 1584-1626.	0.5	67
7	Lipschitz Bounds and Nonuniform Ellipticity. Communications on Pure and Applied Mathematics, 2020, 73, 944-1034.	1.2	101
8	A borderline case of CalderÃ³nâ€"Zygmund estimates for nonuniformly elliptic problems. St Petersburg Mathematical Journal, 2020, 31, 455-477.	0.1	39
9	Optimal Lipschitz criteria and local estimates for non-uniformly elliptic problems. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2019, 30, 223-236.	0.3	6
10	Nonlinear CalderÃ³nâ€"Zygmund Theory in the Limiting Case. Archive for Rational Mechanics and Analysis, 2018, 227, 663-714.	1.1	65
11	Regularity for general functionals with double phase. Calculus of Variations and Partial Differential Equations, 2018, 57, 1.	0.9	290
12	Vectorial nonlinear potential theory. Journal of the European Mathematical Society, 2018, 20, 929-1004.	0.7	97
13	The various stages of Nicola Fusco. Nonlinear Analysis: Theory, Methods & Applications, 2017, 154, 2-6.	0.6	0
14	Nonlocal and Nonlinear Diffusions and Interactions: New Methods and Directions. Lecture Notes in Mathematics, 2017, , .	0.1	5
15	The various stages of Nicola Fusco. Nonlinear Analysis: Theory, Methods & Applications, 2017, 153, 2-6.	0.6	0
16	Regularity Issues Involving the Fractional p-Laplacian. , 2017, , 303-334.		2
17	Short Tales from Nonlinear CalderÃ³n-Zygmund Theory. Lecture Notes in Mathematics, 2017, , 159-204.	0.1	4
18	Non-autonomous functionals, borderline cases and related function classes. St Petersburg Mathematical Journal, 2016, 27, 347-379.	0.1	180

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19	Nonlinear Potential Theory of elliptic systems. Nonlinear Analysis: Theory, Methods & Applications, 2016, 138, 277-299.	0.6	9
20	CalderÃ³nâ€"Zygmund estimates and non-uniformly elliptic operators. Journal of Functional Analysis, 2016, 270, 1416-1478.	0.7	168
21	Harnack inequalities for double phase functionals. Nonlinear Analysis: Theory, Methods & Applications, 2015, 121, 206-222.	0.6	232
22	Nonlocal self-improving properties. Analysis and PDE, 2015, 8, 57-114.	0.6	92
23	Regularity for Double Phase Variational Problems. Archive for Rational Mechanics and Analysis, 2015, 215, 443-496.	1.1	363
24	Bounded Minimisers of Double Phase Variational Integrals. Archive for Rational Mechanics and Analysis, 2015, 218, 219-273.	1.1	317
25	Nonlocal Equations with Measure Data. Communications in Mathematical Physics, 2015, 337, 1317-1368.	1.0	132
26	A boundary Harnack inequality for singular equations of ?-parabolic type. Proceedings of the American Mathematical Society, 2014, 142, 2705-2719.	0.4	10
27	Borderline gradient continuity of minima. Journal of Fixed Point Theory and Applications, 2014, 15, 537-575.	0.6	36
28	The Wolff gradient bound for degenerate parabolic equations. Journal of the European Mathematical Society, 2014, 16, 835-892.	0.7	79
29	Riesz Potentials and Nonlinear Parabolic Equations. Archive for Rational Mechanics and Analysis, 2014, 212, 727-780.	1.1	56
30	Borderline Estimates for Fully Nonlinear Elliptic Equations. Communications in Partial Differential Equations, 2014, 39, 574-590.	1.0	22
31	Guide to nonlinear potential estimates. Bulletin of Mathematical Sciences, 2014, 4, 1-82.	0.5	155
32	A nonlinear Stein theorem. Calculus of Variations and Partial Differential Equations, 2014, 51, 45-86.	0.9	51
33	Sharp regularity for evolutionary obstacle problems, interpolative geometries and removable sets. Journal Des Mathematiques Pures Et Appliquees, 2014, 101, 119-151.	0.8	11
34	Borderline gradient continuity for nonlinear parabolic systems. Mathematische Annalen, 2014, 360, 937-993.	0.7	18
35	A fractional Gehring lemma, with applications to nonlocal equations. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2014, 25, 345-358.	0.3	16
36	Recent Advances in Nonlinear Potential Theory. Springer INdAM Series, 2014, , 277-292.	0.4	3

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37	Linear Potentials in Nonlinear Potential Theory. Archive for Rational Mechanics and Analysis, 2013, 207, 215-246.	1.1	128
38	Gradient regularity for nonlinear parabolic equations. Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze, 2013, , 755-822.	0.1	11
39	Pointwise gradient estimates. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 4650-4663.	0.6	7
40	New perturbation methods for nonlinear parabolic problems. Journal Des Mathematiques Pures Et Appliquees, 2012, 98, 390-427.	0.8	45
41	Regularity in parabolic systems with continuous coefficients. Mathematische Zeitschrift, 2012, 270, 903-938.	0.4	10
42	Universal potential estimates. Journal of Functional Analysis, 2012, 262, 4205-4269.	0.7	150
43	The regularity of general parabolic systems with degenerate diffusion. Memoirs of the American Mathematical Society, 2012, 221, 1.	0.5	38
44	Nonlinear potential estimates in parabolic problems. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2011, 22, 161-174.	0.3	6
45	A surprising linear type estimate for nonlinear elliptic equations. Comptes Rendus Mathematique, 2011, 349, 889-892.	0.1	12
46	Gradient estimates via non-linear potentials. American Journal of Mathematics, 2011, 133, 1093-1149.	0.5	176
47	Nonlinear Measure Data Problems. Milan Journal of Mathematics, 2011, 79, 429-496.	0.7	46
48	Degenerate problems with irregular obstacles. Journal Fur Die Reine Und Angewandte Mathematik, 2011, 2011, .	0.4	37
49	Parabolic Systems with Polynomial Growth and Regularity. Memoirs of the American Mathematical Society, 2011, 214, 0-0.	0.5	51
50	Nonlinear Aspects of CalderÃ³n-Zygmund Theory. Deutsche Mathematiker Vereinigung Jahresbericht, 2010, 112, 159-191.	0.4	25
51	Boundary Regularity in Variational Problems. Archive for Rational Mechanics and Analysis, 2010, 198, 369-455.	1.1	92
52	Gradient estimates below the duality exponent. Mathematische Annalen, 2010, 346, 571-627.	0.7	194
53	Gradient continuity estimates. Calculus of Variations and Partial Differential Equations, 2010, 39, 379-418.	0.9	72
54	Gradient estimates via linear and nonlinear potentials. Journal of Functional Analysis, 2010, 259, 2961-2998.	0.7	130

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55	The boundary regularity of non-linear parabolic systems II. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 145-200.	0.7	26
56	The boundary regularity of non-linear parabolic systems I. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 201-255.	0.7	33
57	Local Lipschitz regularity for degenerate elliptic systems. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 1361-1396.	0.7	61
58	Gradient potential estimates. Journal of the European Mathematical Society, 2010, 13, 459-486.	0.7	54
59	Gradient estimates in non-linear potential theory. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2009, 20, 179-190.	0.3	7
60	Harmonic type approximation lemmas. Journal of Mathematical Analysis and Applications, 2009, 352, 301-335.	0.5	37
61	Gradient regularity for elliptic equations in the Heisenberg group. Advances in Mathematics, 2009, 222, 62-129.	0.5	57
62	Partial continuity for elliptic problems. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2008, 25, 471-503.	0.7	50
63	Singularities of minima: a walk on the wild side of the Calculus of Variations. Journal of Global Optimization, 2008, 40, 209-223.	1.1	35
64	Boundary regularity of minima. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2008, 19, 265-277.	0.3	3
65	Gradient estimates for a class of parabolic systems. Duke Mathematical Journal, 2007, 136, .	0.8	336
66	The existence of regular boundary points for non-linear elliptic systems. Journal Fur Die Reine Und Angewandte Mathematik, 2007, 2007, .	0.4	18
67	CalderÃ³nâ€"Zygmund estimates for measure data problems. Comptes Rendus Mathematique, 2007, 344, 437-442.	0.1	11
68	The Singular Set of Lipschitzian Minima of Multiple Integrals. Archive for Rational Mechanics and Analysis, 2007, 184, 341-369.	1.1	59
69	Regularity results for quasilinear elliptic equations in the Heisenberg group. Mathematische Annalen, 2007, 339, 485-544.	0.7	61
70	Existence and regularity for mixtures of micromagnetic materials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 2225-2243.	1.0	13
71	Regularity of minima: An invitation to the dark side of the calculus of variations. Applications of Mathematics, 2006, 51, 355-426.	0.9	298
72	The Singular Set of Minima of Integral Functionals. Archive for Rational Mechanics and Analysis, 2006, 180, 331-398.	1.1	139

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73	On the Lipschitz regularity for certain elliptic problems. Forum Mathematicum, 2006, 18, .	0.3	30
74	Non-differentiable functionals and singular sets of minima. Comptes Rendus Mathematique, 2005, 340, 93-98.	0.1	8
75	The Singular Set of Ï‰-minima. Archive for Rational Mechanics and Analysis, 2005, 177, 93-114.	1.1	41
76	Second order parabolic systems, optimal regularity, and singular sets of solutions. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2005, 22, 705-751.	0.7	75
77	FLUIDS WITH PRESSURE DEPENDENT VISCOSITY: PARTIAL REGULARITY OF STEADY FLOWS. , 2005, , .		5
78	Integral Functionals and the Gap Problem: Sharp Bounds for Relaxation and Energy Concentration. SIAM Journal on Mathematical Analysis, 2005, 36, 1540-1579.	0.9	19
79	Gradient estimates for thep(x)-Laplacean system. Journal Fur Die Reine Und Angewandte Mathematik, 2005, 2005, 117-148.	0.4	316
80	Elliptic Systems, Singular Sets and Dini Continuity. Communications in Partial Differential Equations, 2004, 29, 1215-1240.	1.0	28
81	The p -harmonic approximation and the regularity of p -harmonic maps. Calculus of Variations and Partial Differential Equations, 2004, 20, 235-256.	0.9	98
82	Regularity results for parabolic systems related to a class of non-Newtonian fluids. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2004, 21, 25-60.	0.7	123
83	Regularity for degenerate elliptic problems via p-harmonic approximation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2004, 21, 735-766.	0.7	57
84	Scalar Minimizers with Fractal Singular Sets. Archive for Rational Mechanics and Analysis, 2004, 172, 295-307.	1.1	76
85	Sharp regularity for functionals with (p,q) growth. Journal of Differential Equations, 2004, 204, 5-55.	1.1	235
86	RÃ©gularitÃ© pour problÃ¨mes elliptiques dÃ©gÃ©nÃ©rÃ©s via approximation p-harmonique. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2004, 21, 735-735.	0.7	0
87	The Singular Set of Solutions to Non-Differentiable Elliptic Systems. Archive for Rational Mechanics and Analysis, 2003, 166, 287-301.	1.1	104
88	Bounds for the singular set of solutions to non linear elliptic systems. Calculus of Variations and Partial Differential Equations, 2003, 18, 373-400.	0.9	56
89	Regularity results for minimizers of irregular integrals with (p,q) growth. Forum Mathematicum, 2002, 14, .	0.3	88
90	Regularity Results for Stationary Electro-Rheological Fluids. Archive for Rational Mechanics and Analysis, 2002, 164, 213-259.	1.1	524

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91	Regularity results for electrorheological fluids: the stationary case. Comptes Rendus Mathematique, 2002, 334, 817-822.	0.1	80
92	On the problem of icing for modern civil aircraft. Air & Space Europe, 2001, 3, 214-217.	0.0	9
93	Regularity Results for a Class of Functionals with Non-Standard Growth. Archive for Rational Mechanics and Analysis, 2001, 156, 121-140.	1.1	453
94	Higher differentiability for minimizers of irregular integrals. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 4355-4364.	0.6	2
95	Partial regularity of minimizers of quasiconvex integrals with subquadratic growth: the general case. Annales Polonici Mathematici, 2001, 77, 219-243.	0.2	3
96	Full C $1,Î±$ -regularity for free and constrained local minimizers of elliptic variational integralsÂ¶with nearly linear growth. Manuscripta Mathematica, 2000, 102, 227-250.	0.3	65
97	Partial regularity for minimizers of convex integrals with L log L-growth. Nonlinear Differential Equations and Applications, 2000, 7, 107-125.	0.4	20
98	Full $C^{1, alpha}$-Regu1arity for Minimizers of Integral Functionals with L log L-Growth. Zeitschrift Fur Analysis Und Ihre Anwendung, 1999, 18, 1083-1100.	0.8	33
99	On the continuity of the solution of the singular equation. Nonlinear Analysis: Theory, Methods & Applications, 1999, 36, 1037-1048.	0.6	2
100	HÃ¶lder continuity of the gradient of p(x)-harmonic mappings. Comptes Rendus Mathematique, 1999, 328, 363-368.	0.5	132
101	Regularity for minimizers of functionals with p - q growth. Nonlinear Differential Equations and Applications, 1999, 6, 133-148.	0.4	57
102	Higher Integrability for Minimizers of Integral Functionals With (p,Âq) Growth. Journal of Differential Equations, 1999, 157, 414-438.	1.1	65
103	Partial regularity of minimizers of quasiconvex integrals with subquadratic growth. Annali Di Matematica Pura Ed Applicata, 1998, 175, 141-164.	0.5	88
104	Some remarks on the regularity of weak solutions of degenerate elliptic systems. Revista Matematica Complutense, 1998, 11, 203.	0.7	11
105	Partial regularity and potentials. Journal De L'Ecole Polytechnique - Mathematiques, 0, 3, 309-363.	0.0	13