Giuseppe Mingione

List of Publications by Year
in descending order

		36303	45317
105 papers	**8,371** citations	**51** h-index	**90** g-index
111 all docs	**111** docs citations	**111** times ranked	**837** citing authors

#	Article	IF	Citations
1	Regularity Results for Stationary Electro-Rheological Fluids. Archive for Rational Mechanics and Analysis, 2002, 164, 213-259.	2.4	524
2	Regularity Results for a Class of Functionals with Non-Standard Growth. Archive for Rational Mechanics and Analysis, 2001, 156, 121-140.	2.4	453
3	Regularity for Double Phase Variational Problems. Archive for Rational Mechanics and Analysis, 2015, 215, 443-496.	2.4	363
4	Gradient estimates for a class of parabolic systems. Duke Mathematical Journal, 2007, 136, .	1.5	336
5	Bounded Minimisers of Double Phase Variational Integrals. Archive for Rational Mechanics and Analysis, 2015, 218, 219-273.	2.4	317
6	Gradient estimates for the p(x)-Laplacean system. Journal Fur Die Reine Und Angewandte Mathematik, 2005, 2005, 117-148.	0.9	316
7	Regularity of minima: An invitation to the dark side of the calculus of variations. Applications of Mathematics, 2006, 51, 355-426.	0.9	298
8	Regularity for general functionals with double phase. Calculus of Variations and Partial Differential Equations, 2018, 57, 1.	1.7	290
9	Sharp regularity for functionals with (p,q) growth. Journal of Differential Equations, 2004, 204, 5-55.	2.2	235
10	Harnack inequalities for double phase functionals. Nonlinear Analysis: Theory, Methods & Applications, 2015, 121, 206-222.	1.1	232
11	Gradient estimates below the duality exponent. Mathematische Annalen, 2010, 346, 571-627.	1.4	194
12	Non-autonomous functionals, borderline cases and related function classes. St Petersburg Mathematical Journal, 2016, 27, 347-379.	0.4	180
13	Gradient estimates via non-linear potentials. American Journal of Mathematics, 2011, 133, 1093-1149.	1.1	176
14	Calderón–Zygmund estimates and non-uniformly elliptic operators. Journal of Functional Analysis, 2016, 270, 1416-1478.	1.4	168
15	Guide to nonlinear potential estimates. Bulletin of Mathematical Sciences, 2014, 4, 1-82.	0.7	155
16	Universal potential estimates. Journal of Functional Analysis, 2012, 262, 4205-4269.	1.4	150
17	Recent developments in problems with nonstandard growth and nonuniform ellipticity. Journal of Mathematical Analysis and Applications, 2021, 501, 125197.	1.0	146
18	The Singular Set of Minima of Integral Functionals. Archive for Rational Mechanics and Analysis, 2006, 180, 331-398.	2.4	139

#	ARTICLE	IF	CITATIONS
19	Hölder continuity of the gradient of p(x)-harmonic mappings. Comptes Rendus Mathematique, 1999, 328, 363-368.	0.5	132
20	Nonlocal Equations with Measure Data. Communications in Mathematical Physics, 2015, 337, 1317-1368.	2.2	132
21	Gradient estimates via linear and nonlinear potentials. Journal of Functional Analysis, 2010, 259, 2961-2998.	1.4	130
22	Linear Potentials in Nonlinear Potential Theory. Archive for Rational Mechanics and Analysis, 2013, 207, 215-246.	2.4	128
23	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.	1.4	123
24	The Singular Set of Solutions to Non-Differentiable Elliptic Systems. Archive for Rational Mechanics and Analysis, 2003, 166, 287-301.	2.4	104
25	Lipschitz Bounds and Nonuniform Ellipticity. Communications on Pure and Applied Mathematics, 2020, 73, 944-1034.	3.1	101
26	The p -harmonic approximation and the regularity of p -harmonic maps. Calculus of Variations and Partial Differential Equations, 2004, 20, 235-256.	1.7	98
27	Vectorial nonlinear potential theory. Journal of the European Mathematical Society, 2018, 20, 929-1004.	1.4	97
28	Boundary Regularity in Variational Problems. Archive for Rational Mechanics and Analysis, 2010, 198, 369-455.	2.4	92
29	Nonlocal self-improving properties. Analysis and PDE, 2015, 8, 57-114.	1.4	92
30	Partial regularity of minimizers of quasiconvex integrals with subquadratic growth. Annali Di Matematica Pura Ed Applicata, 1998, 175, 141-164.	1.0	88
31	Regularity results for minimizers of irregular integrals with (p,q) growth. Forum Mathematicum, 2002, 14, .	0.7	88
32	Regularity results for electrorheological fluids: the stationary case. Comptes Rendus Mathematique, 2002, 334, 817-822.	0.3	80
33	The Wolff gradient bound for degenerate parabolic equations. Journal of the European Mathematical Society, 2014, 16, 835-892.	1.4	79
34	Scalar Minimizers with Fractal Singular Sets. Archive for Rational Mechanics and Analysis, 2004, 172, 295-307.	2.4	76
35	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.	1.4	75
36	Gradient continuity estimates. Calculus of Variations and Partial Differential Equations, 2010, 39, 379-418.	1.7	72

#	Article	IF	Citations
37	Lipschitz Bounds and Nonautonomous Integrals. Archive for Rational Mechanics and Analysis, 2021, 242, 973-1057.	2.4	69
38	On the Regularity of Minima of Non-autonomous Functionals. Journal of Geometric Analysis, 2020, 30, 1584-1626.	1.0	67
39	Higher Integrability for Minimizers of Integral Functionals With (p,Âq) Growth. Journal of Differential Equations, 1999, 157, 414-438.	2.2	65
40	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.	0.6	65
41	Nonlinear CalderÃ³nâ€"Zygmund Theory in the Limiting Case. Archive for Rational Mechanics and Analysis, 2018, 227, 663-714.	2.4	65
42	Regularity results for quasilinear elliptic equations in the Heisenberg group. Mathematische Annalen, 2007, 339, 485-544.	1.4	61
43	Local Lipschitz regularity for degenerate elliptic systems. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 1361-1396.	1.4	61
44	The Singular Set of Lipschitzian Minima of Multiple Integrals. Archive for Rational Mechanics and Analysis, 2007, 184, 341-369.	2.4	59
45	Manifold Constrained Non-uniformly Elliptic Problems. Journal of Geometric Analysis, 2020, 30, 1661-1723.	1.0	58
46	Regularity for minimizers of functionals with p - q growth. Nonlinear Differential Equations and Applications, 1999, 6, 133-148.	0.8	57
47	Regularity for degenerate elliptic problems via p-harmonic approximation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2004, 21, 735-766.	1.4	57
48	Gradient regularity for elliptic equations in the Heisenberg group. Advances in Mathematics, 2009, 222, 62-129.	1.1	57
49	Bounds for the singular set of solutions to non linear elliptic systems. Calculus of Variations and Partial Differential Equations, 2003, 18, 373-400.	1.7	56
50	Riesz Potentials and Nonlinear Parabolic Equations. Archive for Rational Mechanics and Analysis, 2014, 212, 727-780.	2.4	56
51	Gradient potential estimates. Journal of the European Mathematical Society, 2010, 13, 459-486.	1.4	54
52	A nonlinear Stein theorem. Calculus of Variations and Partial Differential Equations, 2014, 51, 45-86.	1.7	51
53	Parabolic Systems with Polynomial Growth and Regularity. Memoirs of the American Mathematical Society, 2011, 214, 0-0.	0.9	51
54	Partial continuity for elliptic problems. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2008, 25, 471-503.	1.4	50

#	Article	IF	Citations
55	Nonlinear Measure Data Problems. Milan Journal of Mathematics, 2011, 79, 429-496.	1.1	46
56	New perturbation methods for nonlinear parabolic problems. Journal Des Mathematiques Pures Et Appliquees, 2012, 98, 390-427.	1.6	45
57	The Singular Set of Ï‰-minima. Archive for Rational Mechanics and Analysis, 2005, 177, 93-114.	2.4	41
58	A borderline case of CalderÃ³nâ€"Zygmund estimates for nonuniformly elliptic problems. St Petersburg Mathematical Journal, 2020, 31, 455-477.	0.4	39
59	The regularity of general parabolic systems with degenerate diffusion. Memoirs of the American Mathematical Society, 2012, 221, 1.	0.9	38
60	Harmonic type approximation lemmas. Journal of Mathematical Analysis and Applications, 2009, 352, 301-335.	1.0	37
61	Degenerate problems with irregular obstacles. Journal Fur Die Reine Und Angewandte Mathematik, 2011, 2011, .	0.9	37
62	Borderline gradient continuity of minima. Journal of Fixed Point Theory and Applications, 2014, 15, 537-575.	1.1	36
63	Singularities of minima: a walk on the wild side of the Calculus of Variations. Journal of Global Optimization, 2008, 40, 209-223.	1.8	35
64	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.	0.6	33
65	The boundary regularity of non-linear parabolic systems I. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 201-255.	1.4	33
66	On the Lipschitz regularity for certain elliptic problems. Forum Mathematicum, 2006, 18, .	0.7	30
67	Elliptic Systems, Singular Sets and Dini Continuity. Communications in Partial Differential Equations, 2004, 29, 1215-1240.	2.2	28
68	The boundary regularity of non-linear parabolic systems II. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2010, 27, 145-200.	1.4	26
69	Nonlinear Aspects of CalderÃ³n-Zygmund Theory. Deutsche Mathematiker Vereinigung Jahresbericht, 2010, 112, 159-191.	1.1	25
70	Borderline Estimates for Fully Nonlinear Elliptic Equations. Communications in Partial Differential Equations, 2014, 39, 574-590.	2.2	22
71	Partial regularity for minimizers of convex integrals with L log L-growth. Nonlinear Differential Equations and Applications, 2000, 7, 107-125.	0.8	20
72	Integral Functionals and the Gap Problem: Sharp Bounds for Relaxation and Energy Concentration. SIAM Journal on Mathematical Analysis, 2005, 36, 1540-1579.	1.9	19

#	Article	IF	Citations
73	The existence of regular boundary points for non-linear elliptic systems. Journal Fur Die Reine Und Angewandte Mathematik, 2007, 2007, .	0.9	18
74	Borderline gradient continuity for nonlinear parabolic systems. Mathematische Annalen, 2014, 360, 937-993.	1.4	18
75	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.	0.6	16
76	Developments and perspectives in Nonlinear Potential Theory. Nonlinear Analysis: Theory, Methods & Applications, 2020, 194, 111452.	1.1	15
77	Existence and regularity for mixtures of micromagnetic materials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2006, 462, 2225-2243.	2.1	13
78	Interpolative gap bounds for nonautonomous integrals. Analysis and Mathematical Physics, 2021, 11, 1.	1.3	13
79	Partial regularity and potentials. Journal De L'Ecole Polytechnique - Mathematiques, 0, 3, 309-363.	0.0	13
80	A surprising linear type estimate for nonlinear elliptic equations. Comptes Rendus Mathematique, 2011, 349, 889-892.	0.3	12
81	Some remarks on the regularity of weak solutions of degenerate elliptic systems. Revista Matematica Complutense, 1998, 11, 203.	1.2	11
82	CalderÃ³nâ€"Zygmund estimates for measure data problems. Comptes Rendus Mathematique, 2007, 344, 437-442.	0.3	11
83	Sharp regularity for evolutionary obstacle problems, interpolative geometries and removable sets. Journal Des Mathematiques Pures Et Appliquees, 2014, 101, 119-151.	1.6	11
84	Gradient regularity for nonlinear parabolic equations. Annali Della Scuola Normale Superiore Di Pisa Classe Di Scienze, 2013, , 755-822.	0.2	11
85	Regularity in parabolic systems with continuous coefficients. Mathematische Zeitschrift, 2012, 270, 903-938.	0.9	10
86	A boundary Harnack inequality for singular equations of ?-parabolic type. Proceedings of the American Mathematical Society, 2014, 142, 2705-2719.	0.8	10
87	On the problem of icing for modern civil aircraft. Air & Space Europe, 2001, 3, 214-217.	0.0	9
88	Nonlinear Potential Theory of elliptic systems. Nonlinear Analysis: Theory, Methods & Applications, 2016, 138, 277-299.	1.1	9
89	Non-differentiable functionals and singular sets of minima. Comptes Rendus Mathematique, 2005, 340, 93-98.	0.3	8
90	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.	0.6	7

#	Article	IF	Citations
91	Pointwise gradient estimates. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 4650-4663.	1.1	7
92	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.	0.6	6
93	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.	0.6	6
94	FLUIDS WITH PRESSURE DEPENDENT VISCOSITY: PARTIAL REGULARITY OF STEADY FLOWS. , 2005, , .		5
95	Nonlocal and Nonlinear Diffusions and Interactions: New Methods and Directions. Lecture Notes in Mathematics, 2017, , .	0.2	5
96	Short Tales from Nonlinear CalderÃ³n-Zygmund Theory. Lecture Notes in Mathematics, 2017, , 159-204.	0.2	4
97	Recent Advances in Nonlinear Potential Theory. Springer INdAM Series, 2014, , 277-292.	0.5	3
98	Partial regularity of minimizers of quasiconvex integrals with subquadratic growth: the general case. Annales Polonici Mathematici, 2001, 77, 219-243.	0.5	3
99	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.	0.6	3
100	On the continuity of the solution of the singular equation. Nonlinear Analysis: Theory, Methods & Applications, 1999, 36, 1037-1048.	1.1	2
101	Higher differentiability for minimizers of irregular integrals. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 4355-4364.	1.1	2
102	Regularity Issues Involving the Fractional p-Laplacian. , 2017, , 303-334.		2
103	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.	1.4	0
104	The various stages of Nicola Fusco. Nonlinear Analysis: Theory, Methods & Applications, 2017, 154, 2-6.	1.1	0
105	The various stages of Nicola Fusco. Nonlinear Analysis: Theory, Methods & Applications, 2017, 153, 2-6.	1.1	0