

Marco Squassina

List of Publications by Year in descending order

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127
papers

3,938
citations

113904

34
h-index

139103

58
g-index

130
all docs

130
docs citations

130
times ranked

1266
citing authors

#	ARTICLE	IF	CITATIONS
1	Global solutions and finite time blow up for damped semilinear wave equations. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2006, 23, 185-207.	1.4	194
2	Eigenvalues for double phase variational integrals. <i>Annali Di Matematica Pura Ed Applicata</i> , 2016, 195, 1917-1959.	1.0	169
3	On fractional Choquard equations. <i>Mathematical Models and Methods in Applied Sciences</i> , 2015, 25, 1447-1476.	3.3	163
4	Existence results for fractional p -Laplacian problems via Morse theory. <i>Advances in Calculus of Variations</i> , 2016, 9, 101-125.	1.3	154
5	Global Hölder regularity for the fractional p -Laplacian. <i>Revista Matematica Iberoamericana</i> , 2016, 32, 1353-1392.	0.7	141
6	On the Strongly Damped Wave Equation. <i>Communications in Mathematical Physics</i> , 2005, 253, 511-533.	2.3	123
7	Singularly perturbed critical Choquard equations. <i>Journal of Differential Equations</i> , 2017, 263, 3943-3988.	2.2	116
8	Semi-classical limit for Schrödinger equations with magnetic field and Hartree-type nonlinearities. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2010, 140, 973-1009.	1.5	111
9	Fractional Schrödinger-Poisson Systems with a General Subcritical or Critical Nonlinearity. <i>Advanced Nonlinear Studies</i> , 2016, 16, 15-30.	1.7	110
10	Existence and nonexistence results for critical growth biharmonic elliptic equations. <i>Calculus of Variations and Partial Differential Equations</i> , 2003, 18, 117-143.	1.7	99
11	Stability and instability results for standing waves of quasi-linear Schrödinger equations. <i>Nonlinearity</i> , 2010, 23, 1353-1385.	1.5	95
12	The Brezis-Nirenberg problem for the fractional p -Laplacian. <i>Calculus of Variations and Partial Differential Equations</i> , 2016, 55, 1.	1.7	90
13	Multiple solutions to logarithmic Schrödinger equations with periodic potential. <i>Calculus of Variations and Partial Differential Equations</i> , 2015, 54, 585-597.	1.7	89
14	Existence results for double-phase problems via Morse theory. <i>Communications in Contemporary Mathematics</i> , 2018, 20, 1750023.	1.2	87
15	Semiclassical states for weakly coupled nonlinear Schrödinger systems. <i>Journal of the European Mathematical Society</i> , 2008, 10, 47-71.	1.3	85
16	Stability of variational eigenvalues for the fractional p -Laplacian. <i>Discrete and Continuous Dynamical Systems</i> , 2015, 36, 1813-1845.	1.0	83
17	Ground states for fractional magnetic operators. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2018, 24, 1-24.	1.4	81
18	Weyl-type laws for fractional p -eigenvalue problems. <i>Asymptotic Analysis</i> , 2014, 88, 233-245.	0.5	79

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19	Singular limit of differential systems with memory. Indiana University Mathematics Journal, 2006, 55, 169-216.	0.9	77
20	Optimal decay of extremals for the fractional Sobolev inequality. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	1.7	73
21	$\langle \text{mml:math xmlns:mml=} \text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg=} \text{"sl1.gif"} \text{ overflow=} \text{"scroll"} \rangle \langle \text{mml:mfrac bevelled=} \text{"true"} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ -Laplacian problems with exponential nonlinearity. Journal of Mathematical Analysis and Applications, 2014, 414, 372-385.	1.1	71
22	ON THE LOGARITHMIC SCHRÖDINGER EQUATION. Communications in Contemporary Mathematics, 2014, 16, 1350032.	1.2	67
23	Bourgain's Br $\dot{B}^s_{p,r}$ Mironescu formula for magnetic operators. Comptes Rendus Mathematique, 2016, 354, 825-831.	0.3	61
24	Bifurcation and multiplicity results for critical fractional $\langle i \rangle p \langle /i \rangle$ -Laplacian problems. Mathematische Nachrichten, 2016, 289, 332-342.	0.7	59
25	Ground states for fractional Kirchhoff equations with critical nonlinearity in low dimension. Nonlinear Differential Equations and Applications, 2017, 24, 1.	0.8	55
26	Nonlocal problems at nearly critical growth. Nonlinear Analysis: Theory, Methods & Applications, 2016, 136, 84-101.	1.1	54
27	Nonlocal problems with singular nonlinearity. Bulletin Des Sciences Mathematiques, 2017, 141, 223-250.	1.0	51
28	Soliton dynamics for fractional Schrödinger equations. Applicable Analysis, 2014, 93, 1702-1729.	1.3	50
29	Fractional logarithmic Schrödinger equations. Mathematical Methods in the Applied Sciences, 2015, 38, 5207-5216.	2.2	49
30	Nonlocal Schrödinger-Kirchhoff equations with external magnetic field. Discrete and Continuous Dynamical Systems, 2017, 37, 1631-1649.	1.0	49
31	On the regularity of solutions in the Pucci-Serrin identity. Calculus of Variations and Partial Differential Equations, 2003, 18, 317-334.	1.7	48
32	Nonlocal problems with critical Hardy nonlinearity. Journal of Functional Analysis, 2018, 275, 3065-3114.	1.4	48
33	H s versus C 0 -weighted minimizers. Nonlinear Differential Equations and Applications, 2015, 22, 477-497.	0.8	45
34	The Nehari manifold for fractional systems involving critical nonlinearities. Communications on Pure and Applied Analysis, 2016, 15, 1285-1308.	0.8	42
35	Cancer of Unknown Primary: A Review on Clinical Guidelines in the Development and Targeted Management of Patients with the Unknown Primary Site. Cureus, 2019, 11, e5552.	0.5	37
36	Critical Nonlocal Systems with Concave-Convex Powers. Advanced Nonlinear Studies, 2016, 16, 821-842.	1.7	36

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37	Critical and subcritical fractional problems with vanishing potentials. <i>Communications in Contemporary Mathematics</i> , 2016, 18, 1550063.	1.2	35
38	Fractional NLS equations with magnetic field, critical frequency and critical growth. <i>Manuscripta Mathematica</i> , 2018, 155, 115-140.	0.5	33
39	Fractional Caffarelli–Kohn–Nirenberg inequalities. <i>Journal of Functional Analysis</i> , 2018, 274, 2661-2672.	1.4	33
40	Nonautonomous fractional problems with exponential growth. <i>Nonlinear Differential Equations and Applications</i> , 2015, 22, 1395-1410.	0.8	32
41	Magnetic BV-functions and the Bourgain–Brezis–Mironescu formula. <i>Advances in Calculus of Variations</i> , 2019, 12, 225-252.	1.3	32
42	Fine boundary regularity for the degenerate fractional p -Laplacian. <i>Journal of Functional Analysis</i> , 2020, 279, 108659.	1.4	29
43	New characterizations of magnetic Sobolev spaces. <i>Advances in Nonlinear Analysis</i> , 2018, 7, 227-245.	2.6	25
44	Unbounded critical points for a class of lower semicontinuous functionals. <i>Journal of Differential Equations</i> , 2004, 201, 25-62.	2.2	24
45	Schrödinger–Poisson systems with a general critical nonlinearity. <i>Communications in Contemporary Mathematics</i> , 2017, 19, 1650028.	1.2	24
46	Obesity Among Kuwaitis Aged 50 Years or Older: Prevalence, Correlates, and Comorbidities. <i>Gerontologist</i> , The, 2013, 53, 555-566.	4.2	23
47	The Maz'ya–Shaposhnikova limit in the magnetic setting. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 449, 1152-1159.	1.1	23
48	Soliton dynamics for the nonlinear Schrödinger equation with magnetic field. <i>Manuscripta Mathematica</i> , 2009, 130, 461-494.	0.5	22
49	A note on the Dancer–Fu spectra of the fractional p -Laplacian and Laplacian operators. <i>Advances in Nonlinear Analysis</i> , 2015, 4, 13-23.	2.6	22
50	The Brezis–Nirenberg problem for nonlocal systems. <i>Advances in Nonlinear Analysis</i> , 2016, 5, 85-103.	2.6	21
51	SOLITON DYNAMICS FOR THE SCHRÖDINGER–NEWTON SYSTEM. <i>Mathematical Models and Methods in Applied Sciences</i> , 2014, 24, 553-572.	3.3	20
52	Existence results for a doubly nonlocal equation. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2015, 9, 311-324.	0.4	20
53	Weak solutions to general Euler's equations via nonsmooth critical point theory. <i>Annales De La Faculté Des Sciences De Toulouse</i> , 2000, 9, 113-131.	0.3	20
54	On the existence of solutions to a fourth-order quasilinear resonant problem. <i>Abstract and Applied Analysis</i> , 2002, 7, 125-133.	0.6	18

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55	Critical fractional p -Laplacian problems with possibly vanishing potentials. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 433, 818-831.	1.1	18
56	Sobolev versus Hölder minimizers for the degenerate fractional p -Laplacian. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2020, 191, 111635.	1.1	16
57	On Palais-Smale principle for non-smooth functionals. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 3786-3804.	1.1	15
58	Two solutions for inhomogeneous nonlinear elliptic equations at critical growth. <i>Nonlinear Differential Equations and Applications</i> , 2004, 11, 53-71.	0.8	14
59	A note on fractional p -Laplacian problems with singular weights. <i>Journal of Fixed Point Theory and Applications</i> , 2017, 19, 157-173.	1.1	14
60	New characterizations of Sobolev metric spaces. <i>Journal of Functional Analysis</i> , 2019, 276, 1853-1874.	1.4	13
61	An asymptotic expansion for the fractional p -Laplacian and for gradient-dependent nonlocal operators. <i>Communications in Contemporary Mathematics</i> , 2022, 24, .	1.2	13
62	ON THE LOCATION OF SPIKES FOR THE SCHRÖDINGER EQUATION WITH ELECTROMAGNETIC FIELD. <i>Communications in Contemporary Mathematics</i> , 2005, 07, 251-268.	1.2	12
63	Some characterizations of magnetic Sobolev spaces. <i>Complex Variables and Elliptic Equations</i> , 2020, 65, 1104-1114.	0.8	12
64	Asymptotic Symmetry for a Class of Quasi-Linear Parabolic Problems. <i>Advanced Nonlinear Studies</i> , 2010, 10, 789-818.	1.7	11
65	An approach to minimization under a constraint: the added mass technique. <i>Calculus of Variations and Partial Differential Equations</i> , 2011, 41, 511-534.	1.7	11
66	On Coron's problem for the p -Laplacian. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 421, 362-369.	1.1	11
67	Optimal solvability for a nonlocal problem at critical growth. <i>Journal of Differential Equations</i> , 2018, 264, 2242-2269.	2.2	11
68	On Hardy and Caffarelli-Kohn-Nirenberg inequalities. <i>Journal D'Analyse Mathématique</i> , 2019, 139, 773-797.	0.8	11
69	Location and phase segregation of ground and excited states for 2D Gross-Pitaevskii systems. <i>Dynamics of Partial Differential Equations</i> , 2008, 5, 117-137.	0.9	11
70	Global compactness for a class of quasi-linear elliptic problems. <i>Manuscripta Mathematica</i> , 2013, 140, 119-144.	0.5	10
71	Global compactness results for nonlocal problems. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, 11, 391-424.	1.1	10
72	Bifurcation results for problems with fractional Trudinger-Moser nonlinearity. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2018, 11, 561-576.	1.1	10

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73	On anisotropic Sobolev spaces. <i>Communications in Contemporary Mathematics</i> , 2019, 21, 1850017.	1.2	9
74	Spike solutions for a class of singularly perturbed quasilinear elliptic equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2003, 54, 1307-1336.	1.1	8
75	Asymptotic behavior of a thermoviscoelastic plate with memory effects. <i>Asymptotic Analysis</i> , 2009, 63, 55-84.	0.5	8
76	Soliton dynamics for CNLS systems with potentials. <i>Asymptotic Analysis</i> , 2010, 66, 61-86.	0.5	8
77	A note on global regularity for the weak solutions of fractional p -Laplacian equations. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2016, 27, 15-24.	0.6	8
78	Infinitely many solutions for polyharmonic elliptic problems with broken symmetries. <i>Mathematische Nachrichten</i> , 2003, 253, 35-44.	0.7	7
79	On the long term spatial segregation for a competition-diffusion system. <i>Asymptotic Analysis</i> , 2008, 57, 83-103.	0.5	6
80	Existence and symmetry of least energy solutions for a class of quasi-linear elliptic equations. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2009, 26, 1701-1716.	1.4	6
81	On Ekeland's variational principle. <i>Journal of Fixed Point Theory and Applications</i> , 2011, 10, 191-195.	1.1	6
82	Uniqueness of ground states for a class of quasi-linear elliptic equations. <i>Advances in Nonlinear Analysis</i> , 2012, 1, .	2.6	6
83	Computing the first eigenpair for problems with variable exponents. <i>Journal of Fixed Point Theory and Applications</i> , 2013, 13, 561-570.	1.1	6
84	Asymptotic behavior of the eigenvalues of the $p(x)$ -Laplacian. <i>Manuscripta Mathematica</i> , 2014, 144, 535-544.	0.5	6
85	Asymptotically linear fractional Schrödinger equations. <i>Complex Variables and Elliptic Equations</i> , 2015, 60, 529-558.	0.8	6
86	Stability of eigenvalues for variable exponent problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2015, 123-124, 56-67.	1.1	6
87	Modulational stability of ground states to nonlinear Kirchhoff equations. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 477, 844-859.	1.1	6
88	Nonexistence for hyperbolic problems on Riemannian manifolds1. <i>Asymptotic Analysis</i> , 2020, 120, 87-101.	0.5	6
89	Energy convexity estimates for non-degenerate ground states of nonlinear 1D Schrödinger systems. <i>Communications on Pure and Applied Analysis</i> , 2010, 9, 867-884.	0.8	6
90	Symmetry Results for Nonvariational Quasi-Linear Elliptic Systems. <i>Advanced Nonlinear Studies</i> , 2010, 10, 939-955.	1.7	5

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91	Soliton dynamics for a general class of Schrödinger equations. Journal of Mathematical Analysis and Applications, 2010, 365, 776-796.	1.1	5
92	RADIAL SYMMETRY OF MINIMAX CRITICAL POINTS FOR NONSMOOTH FUNCTIONALS. Communications in Contemporary Mathematics, 2011, 13, 487-508.	1.2	5
93	Logarithmic Sobolev inequality revisited. Comptes Rendus Mathematique, 2017, 355, 447-451.	0.3	5
94	Gausson dynamics for logarithmic Schrödinger equations. Asymptotic Analysis, 2018, 107, 203-226.	0.5	5
95	Mountain Pass solutions for quasi-linear equations via a monotonicity trick. Journal of Mathematical Analysis and Applications, 2011, 381, 857-865.	1.1	4
96	Boundary behavior for a singular quasi-linear elliptic equation. Journal of Mathematical Analysis and Applications, 2012, 393, 692-696.	1.1	4
97	On Explosive Solutions for a Class of Quasi-linear Elliptic Equations. Advanced Nonlinear Studies, 2013, 13, 663-698.	1.7	4
98	Asymptotic mean value properties for fractional anisotropic operators. Journal of Mathematical Analysis and Applications, 2018, 466, 107-126.	1.1	4
99	Generalized solutions of variational problems and applications. Advances in Nonlinear Analysis, 2020, 9, 124-147.	2.6	4
100	On the existence of positive entire solutions of nonlinear elliptic equations. Topological Methods in Nonlinear Analysis, 2001, 17, 23.	0.1	4
101	Asymptotics of Solutions for fully Nonlinear Elliptic Problems at Nearly Critical Growth. Zeitschrift Fur Analysis Und Ihre Anwendung, 2002, 21, 185-201.	0.7	3
102	On the Struwe–Jean–Toland monotonicity trick. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2012, 142, 155-169.	1.5	3
103	Diffeomorphism-invariant properties for quasi-linear elliptic operators. Journal of Fixed Point Theory and Applications, 2012, 11, 137-157.	1.1	3
104	Nonlocal problems at critical growth in contractible domains. Asymptotic Analysis, 2015, 95, 79-100.	0.5	3
105	Uniqueness of limit flow for a class of quasi-linear parabolic equations. Advances in Nonlinear Analysis, 2017, 6, 243-276.	2.6	3
106	On the stability of standing waves of Klein-Gordon equations in a semiclassical regime. Discrete and Continuous Dynamical Systems, 2013, 33, 2389-2401.	1.0	3
107	Bifurcation and multiplicity results for critical p-Laplacian problems. Topological Methods in Nonlinear Analysis, 0, , 1.	0.1	3
108	Multiple solutions for quasilinear elliptic problems in \mathbb{R}^2 with exponential growth. Manuscripta Mathematica, 2001, 106, 315-337.	0.5	2

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109	On a bifurcation value related to quasi-linear Schrödinger equations. Journal of Fixed Point Theory and Applications, 2012, 12, 121-133.	1.1	2
110	Symmetry results for the $p(x)$ -Laplacian equation. Advances in Nonlinear Analysis, 2013, 2, .	2.6	2
111	Some remarks on rearrangement for nonlocal functionals. Nonlinear Analysis: Theory, Methods & Applications, 2017, 162, 1-12.	1.1	2
112	Approximate convexity principles and applications to PDEs in convex domains. Nonlinear Analysis: Theory, Methods & Applications, 2020, 192, 111661.	1.1	2
113	On phase segregation in nonlocal two-particle Hartree systems. Open Mathematics, 2009, 7, .	1.0	1
114	On a result by Boccardo-Ferone-Fusco-Orsina. Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni, 2011, 22, 505-511.	0.6	1
115	Ground states for scalar field equations with anisotropic nonlocal nonlinearities. Discrete and Continuous Dynamical Systems, 2015, 35, 5963-5976.	1.0	1
116	On the Mountain-Pass algorithm for the quasi-linear Schrödinger equation. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 1345-1360.	0.9	1
117	On the existence of two solutions for a general class of jumping problems. Topological Methods in Nonlinear Analysis, 2003, 21, 325.	0.1	1
118	Concavity principles for nonautonomous elliptic equations and applications. Asymptotic Analysis, 2023, 135, 509-524.	0.5	1
119	Locating the Peaks of Semilinear Elliptic Systems. Advanced Nonlinear Studies, 2005, 5, 441-460.	1.7	0
120	On the symmetry of minimizers in constrained quasi-linear problems. Advances in Calculus of Variations, 2011, 4, .	1.3	0
121	On the Well-Posedness of a Class of Vector Schrödinger Equations. Advanced Nonlinear Studies, 2011, 11, 525-540.	1.7	0
122	Symmetry of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -mode positive solutions for two-dimensional Hénon type systems. Journal of Mathematical Analysis and Applications, 2013, 405, 128-134.	1.1	0
123	A festschrift in honor of Professor Patrizia Pucci's 65th birthday. Advances in Nonlinear Analysis, 2017, 6, 95-98.	2.6	0
124	Nonlocal characterizations of variable exponent Sobolev spaces. Asymptotic Analysis, 2021, , 1-22.	0.5	0
125	On symmetry results for elliptic equations with convex nonlinearities. Communications on Pure and Applied Analysis, 2013, 12, 3013-3026.	0.8	0
126	Nonlocal approximations to anisotropic Sobolev norms. Asymptotic Analysis, 2021, , 1-20.	0.5	0

#	ARTICLE	IF	CITATIONS
127	DEVELOPMENT AND APPLICATION OF NEW COMPOSITIONS TO IMPROVE THE EFFICIENCY OF OIL FIELD EQUIPMENT OPERATION. Oil and Gas Business, 2023, 21, 169-176.	0.0	0