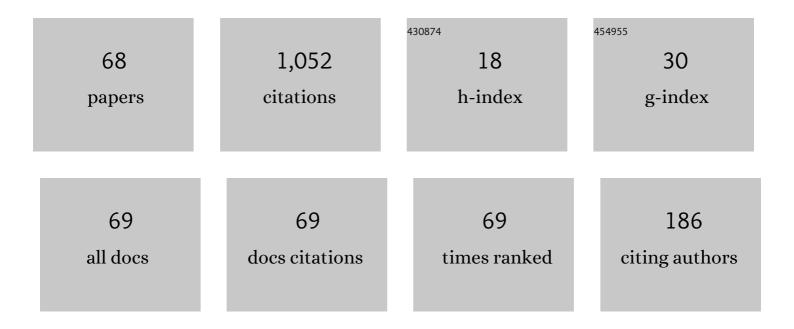
List of Publications by Year in descending order

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XINC-RIN PAN

#	Article	lF	CITATIONS
1	Singular behavior of least-energy solutions of a semilinear Neumann problem involving critical Sobolev exponents. Duke Mathematical Journal, 1992, 67, 1.	1.5	99
2	Estimates of the upper critical field for the Ginzburg–Landau equations of superconductivity. Physica D: Nonlinear Phenomena, 1999, 127, 73-104.	2.8	80
3	Eigenvalue problems of Ginzburg–Landau operator in bounded domains. Journal of Mathematical Physics, 1999, 40, 2647-2670.	1.1	66
4	Surface Nucleation of Superconductivity in 3-Dimensions. Journal of Differential Equations, 2000, 168, 386-452.	2.2	62
5	Surface Superconductivity¶in Applied Magnetic Fields Above H C 2. Communications in Mathematical Physics, 2002, 228, 327-370.	2.2	56
6	Upper critical field and location of surfaceÂnucleation of superconductivity. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2003, 20, 145-181.	1.4	47
7	Schrödinger operators with non-degenerately vanishing magnetic fields in bounded domains. Transactions of the American Mathematical Society, 2002, 354, 4201-4227.	0.9	42
8	Gauge Invariant Eigenvalue Problems in \$mathbb {R}^n\$ and in \$mathbb {R}^n_+\$. Transactions of the American Mathematical Society, 1999, 352, 1247-1276.	0.9	36
9	Positive solutions of super-critical elliptic equations and asymptotics. Communications in Partial Differential Equations, 1993, 18, 977-1019.	2.2	34
10	Nucleation of Instability of the Meissner State of 3-Dimensional Superconductors. Communications in Mathematical Physics, 2007, 276, 571-610.	2.2	30
11	Upper critical field for superconductors with edges and corners. Calculus of Variations and Partial Differential Equations, 2002, 14, 447-482.	1.7	28
12	Surface superconductivity in \$3\$ dimensions. Transactions of the American Mathematical Society, 2004, 356, 3899-3937.	0.9	25
13	Landau-de Gennes Model of Liquid Crystals and Critical Wave Number. Communications in Mathematical Physics, 2003, 239, 343-382.	2.2	24
14	Blow-up behavior of ground states of semilinear elliptic equations in Rn involving critical Sobolev exponents. Journal of Differential Equations, 1992, 99, 78-107.	2.2	22
15	Singular ground states of semilinear elliptic equations via invariant manifold theory. Nonlinear Analysis: Theory, Methods & Applications, 1993, 20, 1279-1302.	1.1	20
16	On a quasilinear system involving the operator curl. Calculus of Variations and Partial Differential Equations, 2009, 36, 317-342.	1.7	19
17	Phase transition for potentials of highâ€dimensional wells. Communications on Pure and Applied Mathematics, 2012, 65, 833-888.	3.1	19
18	Ginzburg–Landau Equation with DeGennes Boundary Condition. Journal of Differential Equations, 1996, 129, 136-165.	2.2	18

#	Article	IF	CITATIONS
19	Superconductivity Near the Normal State Under the Action of Electric Currents and Induced Magnetic Fields in \$\${mathbb{R}^2}\$\$. Communications in Mathematical Physics, 2010, 300, 147-184.	2.2	18
20	On an elliptic equation related to the blow-up phenomenon in the nonlinear SchrĶdinger equation. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1993, 123, 763-782.	1.2	15
21	Condensation of least-energy solutions: The effect of boundary conditions. Nonlinear Analysis: Theory, Methods & Applications, 1995, 24, 195-222.	1.1	15
22	Existence and regularity of solutions to quasilinear systems of Maxwell type and Maxwell-Stokes type. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	1.7	15
23	Singular solutions of the elliptic equation Δuâ^'u+up=0. Annali Di Matematica Pura Ed Applicata, 1994, 166, 203-225.	1.0	14
24	On a Problem Related to Vortex Nucleation of Superconductivity. Journal of Differential Equations, 2002, 182, 141-168.	2.2	14
25	Minimizing curl in a multiconnected domain. Journal of Mathematical Physics, 2009, 50, .	1.1	14
26	Asymptotics of minimizers of variational problems involving curl functional. Journal of Mathematical Physics, 2000, 41, 5033-5063.	1.1	13
27	Yamabe equations on half-spaces. Nonlinear Analysis: Theory, Methods & Applications, 1999, 37, 161-186.	1.1	12
28	Superconductivity near the normal state in a half-plane under the action of a perpendicular electric current and an induced magnetic field. Transactions of the American Mathematical Society, 2012, 365, 1183-1217.	0.9	11
29	Semilinear Neumann problem in exterior domains. Nonlinear Analysis: Theory, Methods & Applications, 1998, 31, 791-821.	1.1	10
30	Superconductivity near critical temperature. Journal of Mathematical Physics, 2003, 44, 2639.	1.1	10
31	Regularity of weak solutions to nonlinear Maxwell systems. Journal of Mathematical Physics, 2015, 56,	1.1	10
32	Reduced Landau–de Gennes functional and surface smectic state of liquid crystals. Journal of Functional Analysis, 2008, 255, 3008-3069.	1.4	9
33	On a quasilinear system arising in the theory of superconductivity. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2011, 141, 397-407.	1.2	9
34	Superconductivity near the Normal State in A Half-Plane under the Action of A Perpendicular Electric Current and an Induced Magnetic Field, Part II: The Large Conductivity Limit. SIAM Journal on Mathematical Analysis, 2012, 44, 3671-3733.	1.9	9
35	Functionals with Operator Curl in an Extended Magnetostatic BornInfeld Model. SIAM Journal on Mathematical Analysis, 2013, 45, 2253-2284.	1.9	9
36	Superconductivity and the Aharonov–Bohm effect. Comptes Rendus Mathematique, 2019, 357, 216-220.	0.3	8

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37	Variational and operator methods for Maxwell-Stokes system. Discrete and Continuous Dynamical Systems, 2020, 40, 3909-3955.	0.9	8
38	Superconducting Films in Perpendicular Fields and the Effect of the de Gennes Parameter. SIAM Journal on Mathematical Analysis, 2003, 34, 957-991.	1.9	7
39	Landaude Gennes Model of Liquid Crystals with Small Ginzburg–Landau Parameter. SIAM Journal on Mathematical Analysis, 2006, 37, 1616-1648.	1.9	6
40	Asymptotics of solutions of a quasilinear system involving curl. Journal of Mathematical Physics, 2011, 52, .	1.1	6
41	Oscillatory patterns in the Ginzburg-Landau model driven by the Aharonov-Bohm potential. Journal of Functional Analysis, 2020, 279, 108718.	1.4	6
42	An extended magnetostatic Born-Infeld model with a concave lower order term. Journal of Mathematical Physics, 2013, 54, .	1.1	5
43	Meissner states of type II superconductors. Journal of Elliptic and Parabolic Equations, 2018, 4, 441-523.	0.9	5
44	The general magneto-static model and Maxwell-Stokes system with topological parameters. Journal of Differential Equations, 2021, 270, 1079-1137.	2.2	5
45	Least Energy Solutions of Semilinear Neumann Problems and Asymptotics. Journal of Mathematical Analysis and Applications, 1996, 201, 532-554.	1.0	4
46	Critical Elastic Coefficient of Liquid Crystals and Hysteresis. Communications in Mathematical Physics, 2008, 280, 77-121.	2.2	4
47	Mixed Normal-Superconducting States in the Presence of Strong Electric Currents. Archive for Rational Mechanics and Analysis, 2017, 223, 419-462.	2.4	4
48	Quasilinear systems involving curl. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2018, 148, 243-279.	1.2	4
49	Concentration Behavior and Lattice Structure of 3D Surface Superconductivity in the Half Space. Mathematical Physics Analysis and Geometry, 2019, 22, 1.	1.0	4
50	Existence of singular solutions of semi-linear elliptic equation in Rn. Journal of Differential Equations, 1991, 94, 191-203.	2.2	3
51	Nodal sets of solutions of equations involving magnetic Schrödinger operator in three dimensions. Journal of Mathematical Physics, 2007, 48, 053521.	1.1	3
52	Partial Sobolev spaces and anisotropic smectic liquid crystals. Calculus of Variations and Partial Differential Equations, 2014, 51, 963-998.	1.7	3
53	Directional curl spaces and applications to the Meissner states of anisotropic superconductors. Journal of Mathematical Physics, 2017, 58, .	1.1	3
54	Existence of surface smectic states of liquid crystals. Journal of Functional Analysis, 2018, 274, 900-958.	1.4	3

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55	Maxwell–Stokes system with \$\$L^2\$\$ boundary data and Div–Curl system with potential. SN Partial Differential Equations and Applications, 2020, 1, 1.	0.6	3
56	Anisotropic nematic liquid crystals in an applied magnetic field. Nonlinearity, 2020, 33, 2035-2076.	1.4	3
57	Div–Curl System with Potential and Maxwell–Stokes System with Natural Boundary Condition. Journal of Dynamics and Differential Equations, 2022, 34, 1769-1821.	1.9	3
58	Ginzburg–Landau system and surface nucleation of superconductivity. Methods and Applications of Analysis, 2001, 8, 279-300.	0.5	3
59	Existence and regularity of weak solutions for a thermoelectric model. Nonlinearity, 2019, 32, 3342-3366.	1.4	2
60	Singular limit of quasilinear Neumann problems. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1995, 125, 205-223.	1.2	1
61	An eigenvalue variation problem of magnetic Schrödinger operator in three dimensions. Discrete and Continuous Dynamical Systems, 2009, 24, 933-978.	0.9	1
62	On a Quasilinear Parabolic Curl System Motivated by Time Evolution of Meissner States of Superconductors. SIAM Journal on Mathematical Analysis, 2021, 53, 6471-6516.	1.9	1
63	Professor Dajun Guo: a true mathematician and educator. SN Partial Differential Equations and Applications, 2020, 1, 1.	0.6	0
64	Editorial of the special issue for the 70th birthday of Michel Chipot. Journal of Elliptic and Parabolic Equations, 2020, 6, 1-3.	0.9	0
65	Singular limits of anisotropic Ginzburg-Landau functional. Journal of Elliptic and Parabolic Equations, 2020, 6, 27-54.	0.9	0
66	Long time behavior and field-induced instabilities of smectic liquid crystals. Journal of Functional Analysis, 2021, 281, 109036.	1.4	0
67	Regularity of a parabolic system involving curl. Journal of Elliptic and Parabolic Equations, 2021, 7, 923-944.	0.9	0
68	GINZBURG-LANDAU SYSTEM AND SUPERCONDUCTIVITY NEAR CRITICAL TEMPERATURE. , 2002, , .		0