

João Marcos Do

List of Publications by Year in descending order

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127
times ranked

480
citing authors

#	ARTICLE	IF	CITATIONS
1	On an inequality by N. Trudinger and J. Moser and related elliptic equations. Communications on Pure and Applied Mathematics, 2002, 55, 135-152.	3.1	129
2	On a quasilinear nonhomogeneous elliptic equation with critical growth in \mathbb{R}^N . Journal of Differential Equations, 2009, 246, 1363-1386.	2.2	127
3	Quasilinear Schrödinger equations involving concave and convex nonlinearities. Communications on Pure and Applied Analysis, 2009, 8, 621-644.	0.8	112
4	Fractional Schrödinger-Poisson Systems with a General Subcritical or Critical Nonlinearity. Advanced Nonlinear Studies, 2016, 16, 15-30.	1.7	110
5	Solitary waves for a class of quasilinear Schrödinger equations in dimension two. Calculus of Variations and Partial Differential Equations, 2010, 38, 275-315.	1.7	97
6	A nonhomogeneous elliptic problem involving critical growth in dimension two. Journal of Mathematical Analysis and Applications, 2008, 345, 286-304.	1.1	82
7	An Orlicz-space approach to superlinear elliptic systems. Journal of Functional Analysis, 2005, 224, 471-496.	1.4	61
8	Local mountain-pass for a class of elliptic problems in involving critical growth. Nonlinear Analysis: Theory, Methods & Applications, 2001, 46, 495-510.	1.1	57
9	On nonlinear perturbations of a periodic elliptic problem in involving critical growth. Nonlinear Analysis: Theory, Methods & Applications, 2004, 56, 781-791.	1.1	57
10	Elliptic equations and systems with critical Trudinger-Moser nonlinearities. Discrete and Continuous Dynamical Systems, 2011, 30, 455-476.	1.0	57
11	An improvement for the Trudinger-Moser inequality and applications. Journal of Differential Equations, 2014, 256, 1317-1349.	2.2	57
12	On some fourth-order semilinear elliptic problems in. Nonlinear Analysis: Theory, Methods & Applications, 2002, 49, 861-884.	1.1	53
13	On a Class of Nonlinear Schrödinger Equations in \mathbb{R}^2 Involving Critical Growth. Journal of Differential Equations, 2001, 174, 289-311.	2.2	52
14	Local superlinearity for elliptic systems involving parameters. Journal of Differential Equations, 2005, 211, 1-19.	2.2	47
15	On a class of singular Trudinger-Moser type inequalities and its applications. Mathematische Nachrichten, 2011, 284, 1754-1776.	0.7	43
16	Periodic solutions for nonlinear systems with mean curvature-like operators. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 1462-1475.	1.1	36
17	Critical and subcritical fractional problems with vanishing potentials. Communications in Contemporary Mathematics, 2016, 18, 1550063.	1.2	35
18	On a Schrödinger equation with periodic potential and critical growth in \mathbb{R}^2 . Nonlinear Differential Equations and Applications, 2006, 13, 167-192.	0.8	33

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19	Nonautonomous fractional problems with exponential growth. <i>Nonlinear Differential Equations and Applications</i> , 2015, 22, 1395-1410.	0.8	32
20	On perturbations of a class of a periodic m -Laplacian equation with critical growth. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001, 45, 849-863.	1.1	29
21	Positive solutions for some nonlocal and nonvariational elliptic systems. <i>Complex Variables and Elliptic Equations</i> , 2016, 61, 297-314.	0.8	29
22	Periodic solutions for nonlinear equations with mean curvature-like operators. <i>Applied Mathematics Letters</i> , 2007, 20, 484-492.	2.9	26
23	On a class of singular biharmonic problems involving critical exponents. <i>Journal of Mathematical Analysis and Applications</i> , 2003, 277, 12-26.	1.1	25
24	Multiplicity of positive solutions for a class of quasilinear nonhomogeneous Neumann problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 60, 1443-1471.	1.1	24
25	A sharp inequality of Trudinger–Moser type and extremal functions in \mathbb{R}^2 . <i>Journal of Functional Analysis</i> , 2005, 225, 1-24.	0.6	24
26	Schrödinger–Poisson systems with a general critical nonlinearity. <i>Communications in Contemporary Mathematics</i> , 2017, 19, 1650028.	1.2	24
27	Stationary nonlinear Schrödinger equations in \mathbb{R}^2 with potentials vanishing at infinity. <i>Annali Di Matematica Pura Ed Applicata</i> , 2017, 196, 363-393.	1.0	24
28	On existence and concentration of positive bound states of p -Laplacian equations in involving critical growth. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 62, 777-801.	1.1	22
29	Positive solutions of a fourth-order semilinear problem involving critical growth. <i>Advanced Nonlinear Studies</i> , 2002, 2, 437-458.	1.7	21
30	A quasi-linear elliptic equation with critical growth on compact Riemannian manifold without boundary. <i>Annals of Global Analysis and Geometry</i> , 2010, 38, 317-334.	0.6	21
31	On supercritical Sobolev type inequalities and related elliptic equations. <i>Calculus of Variations and Partial Differential Equations</i> , 2016, 55, 1.	1.7	21
32	Existence and concentration of solitary waves for a class of quasilinear Schrödinger equations. <i>Communications on Pure and Applied Analysis</i> , 2010, 9, 281-306.	0.8	21
33	SEMI-CLASSICAL STATES FOR QUASILINEAR SCHRÖDINGER EQUATIONS ARISING IN PLASMA PHYSICS. <i>Communications in Contemporary Mathematics</i> , 2009, 11, 547-583.	1.2	20
34	Nontrivial solutions for a class of semilinear biharmonic problems involving critical exponents. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001, 46, 121-133.	1.1	19
35	Hamiltonian elliptic systems in \mathbb{R}^2 with subcritical and critical exponential growth. <i>Annali Di Matematica Pura Ed Applicata</i> , 2016, 195, 935-956.	1.0	19
36	Multiplicity results for some quasilinear elliptic problems. <i>Topological Methods in Nonlinear Analysis</i> , 2009, 36, 77.	0.1	19

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37	Solutions for singular quasilinear Schrödinger equations with one parameter. Communications on Pure and Applied Analysis, 2010, 9, 1011-1023.	0.8	19
38	Cocompactness and minimizers for inequalities of Hardy-Sobolev type involving N-Laplacian. Nonlinear Differential Equations and Applications, 2010, 17, 467-477.	0.8	18
39	Existence for a k-Hessian equation involving supercritical growth. Journal of Differential Equations, 2019, 267, 1001-1024.	2.2	18
40	Standing waves for nonlinear Schrödinger equations involving critical growth of Trudinger-Moser type. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 3049-3060.	1.4	17
41	Concentration Phenomena for Fractional Elliptic Equations Involving Exponential Critical Growth. Advanced Nonlinear Studies, 2016, 16, 843-861.	1.7	17
42	Trudinger-Moser inequality on the whole plane and extremal functions. Communications in Contemporary Mathematics, 2016, 18, 1550054.	1.2	14
43	On the existence of signed and sign-changing solutions for a class of superlinear Schrödinger equations. Journal of Mathematical Analysis and Applications, 2008, 342, 432-445.	1.1	13
44	On coupled systems of nonlinear Schrödinger equations with critical exponential growth. Applicable Analysis, 2018, 97, 1000-1015.	1.3	13
45	Existence and Concentration of Positive Solutions for Nonlinear Kirchhoff-Type Problems with a General Critical Nonlinearity. Proceedings of the Edinburgh Mathematical Society, 2018, 61, 1023-1040.	0.4	13
46	Ground state solutions of Hamiltonian elliptic systems in dimension two. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2020, 150, 1737-1768.	1.5	13
47	On a singular and nonhomogeneous N-Laplacian equation involving critical growth. Journal of Mathematical Analysis and Applications, 2011, 380, 241-263.	1.1	12
48	On Singular Trudinger-Moser Type Inequalities for Unbounded Domains and Their Best Exponents. Potential Analysis, 2013, 38, 1091-1101.	0.9	12
49	Semilinear Elliptic Systems With Exponential Nonlinearities in Two Dimensions. Advanced Nonlinear Studies, 2006, 6, 199-213.	1.7	11
50	Non-variational elliptic systems in dimension two: a priori bounds and existence of positive solutions. Journal of Fixed Point Theory and Applications, 2008, 4, 77-96.	1.1	11
51	Properties of positive harmonic functions on the half-space with a nonlinear boundary condition. Journal of Differential Equations, 2010, 248, 617-637.	2.2	11
52	On a class of Hamiltonian elliptic systems involving unbounded or decaying potentials in dimension two. Mathematische Nachrichten, 2016, 289, 1568-1584.	0.7	11
53	Positive ground state of coupled systems of Schrödinger equations in involving critical exponential growth. Mathematical Methods in the Applied Sciences, 2017, 40, 6864-6879.	2.2	11
54	Semiclassical states of p -Laplacian equations with a general nonlinearity in critical case. Journal of Mathematical Physics, 2016, 57, .	1.2	9

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55	Vanishing-concentration-compactness alternative for the Trudinger-Moser inequality in \mathbb{R}^N . Communications in Contemporary Mathematics, 2018, 20, 1650036.	1.2	9
56	Solitary Waves for Quasilinear Schrödinger Equations Arising in Plasma Physics. Advanced Nonlinear Studies, 2009, 9, 479-497.	1.7	8
57	Fractional Kirchhoff problem with critical indefinite nonlinearity. Mathematische Nachrichten, 2019, 292, 615-632.	0.7	8
58	Qualitative properties of positive singular solutions to nonlinear elliptic systems with critical exponent. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2019, 36, 1575-1601.	1.4	8
59	THREE POSITIVE SOLUTIONS FOR A CLASS OF ELLIPTIC SYSTEMS IN ANNULAR DOMAINS. Proceedings of the Edinburgh Mathematical Society, 2005, 48, 365-373.	0.4	7
60	Concentration-compactness and extremal problems for a weighted Trudinger-Moser inequality. Communications in Contemporary Mathematics, 2017, 19, 1650003.	1.2	7
61	Ground states of nonlocal scalar field equations with Trudinger-Moser critical nonlinearity. Topological Methods in Nonlinear Analysis, 2016, 48, 1.	0.1	7
62	MULTIPLE SOLUTIONS FOR A CLASS OF QUASILINEAR ELLIPTIC PROBLEMS. Proceedings of the Edinburgh Mathematical Society, 2003, 46, 159-168.	0.4	6
63	Three positive radial solutions for elliptic equations in a ball. Applied Mathematics Letters, 2005, 18, 1163-1169.	2.9	6
64	Multiplicity of solutions for a class of non-homogeneous fourth-order boundary value problems. Applied Mathematics Letters, 2008, 21, 279-286.	2.9	6
65	Compactness properties of critical nonlinearities and nonlinear Schrödinger equations. Proceedings of the Edinburgh Mathematical Society, 2013, 56, 427-441.	0.4	6
66	Critical Points for a Functional Involving Critical Growth of Trudinger-Moser Type. Potential Analysis, 2015, 42, 229-246.	0.9	6
67	Ground states for a linearly coupled system of Schrödinger equations on \mathbb{R}^N . Asymptotic Analysis, 2018, 108, 221-241.	0.5	6
68	A Sharp Adams-Type Inequality for Weighted Sobolev Spaces. Quarterly Journal of Mathematics, 2020, 71, 517-538.	0.7	6
69	Hardy-Sobolev type inequality and supercritical extremal problem. Discrete and Continuous Dynamical Systems, 2019, 39, 3345-3364.	1.0	6
70	Solitary Waves for a Class of Quasilinear Schrödinger Equations Involving Vanishing Potentials. Advanced Nonlinear Studies, 2015, 15, 691-714.	1.7	5
71	Concentration-compactness principle and extremal functions for a sharp Trudinger-Moser inequality. Calculus of Variations and Partial Differential Equations, 2015, 52, 125-163.	1.7	5
72	Quasilinear Elliptic Equations with Singular Nonlinearity. Advanced Nonlinear Studies, 2016, 16, 363-379.	1.7	5

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73	On a class of semilinear Schrödinger equations involving critical growth and discontinuous nonlinearities. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2003, 54, 885-906.	1.1	4
74	Concentration-compactness principle for an inequality by D. Adams. <i>Calculus of Variations and Partial Differential Equations</i> , 2014, 51, 195-215.	1.7	4
75	On a class quasilinear Schrödinger equations in \mathbb{R}^n . <i>Applicable Analysis</i> , 2016, 95, 323-340.	1.3	4
76	Concentration-compactness principle for nonlocal scalar field equations with critical growth. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 449, 1189-1228.	1.1	4
77	Nonautonomous fractional Hamiltonian system with critical exponential growth. <i>Nonlinear Differential Equations and Applications</i> , 2019, 26, 1.	0.8	4
78	Solutions concentrating around the saddle points of the potential for two-dimensional Schrödinger equations. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2019, 70, 1.	1.4	4
79	On supercritical problems involving the Laplace operator. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2021, 151, 187-201.	1.5	4
80	Quasilinear nonhomogeneous Schrödinger equation with critical exponential growth in \mathbb{R}^n . <i>Topological Methods in Nonlinear Analysis</i> , 2015, 45, 615.	0.1	4
81	Adams Type Inequality and Application for a Class of Polyharmonic Equations with Critical Growth. <i>Advanced Nonlinear Studies</i> , 2015, 15, 867-888.	1.7	3
82	On a Quasilinear Schrödinger Problem at Resonance. <i>Advanced Nonlinear Studies</i> , 2016, 16, 569-580.	1.7	3
83	Some results for a class of quasilinear elliptic equations with singular nonlinearity. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2017, 148, 1-29.	1.1	3
84	Some elliptic problems with singular nonlinearity and advection for Riemannian manifolds. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 460, 582-609.	1.1	3
85	On Lane-Emden Systems with Singular Nonlinearities and Applications to MEMS. <i>Advanced Nonlinear Studies</i> , 2018, 18, 41-53.	1.7	3
86	Extremal for a k -Hessian inequality of Trudinger-Moser type. <i>Mathematische Zeitschrift</i> , 2020, 295, 1683-1706.	0.9	3
87	Multiparameter Elliptic Equations in Annular Domains. <i>Progress in Nonlinear Differential Equations and Their Application</i> , 2005, , 233-245.	0.0	3
88	Singular solutions to k -Hessian equations with fast-growing nonlinearities. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2022, 222, 113000.	1.1	3
89	On a sharp inequality of Adimurthi-Druet type and extremal functions. <i>Calculus of Variations and Partial Differential Equations</i> , 2023, 62, .	1.7	3
90	Hamiltonian elliptic systems involving nonlinear Schrödinger equations with critical growth. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 2237-2254.	1.4	2

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91	Multi-peak standing waves for nonlinear Schrödinger equations involving critical growth. <i>Mathematische Nachrichten</i> , 2017, 290, 1588-1601.	0.7	2
92	Spiked vector solutions of coupled Schrödinger systems with critical exponent and solutions concentrating on spheres. <i>Calculus of Variations and Partial Differential Equations</i> , 2019, 58, 1.	1.7	2
93	POSITIVE GROUND STATES FOR A CLASS OF SUPERLINEAR -LAPLACIAN COUPLED SYSTEMS INVOLVING SCHRÖDINGER EQUATIONS. <i>Journal of the Australian Mathematical Society</i> , 2020, 109, 193-216.	0.6	2
94	Supercritical problems with concave and convex nonlinearities in \mathbb{R}^N . <i>Communications in Contemporary Mathematics</i> , 2021, 23, 2050052.	1.2	2
95	The Nehari manifold for indefinite Kirchhoff problem with Caffarelli-Kohn-Nirenberg type critical growth. <i>Topological Methods in Nonlinear Analysis</i> , 0, , 105-134.	0.1	2
96	Non-Variational Elliptic Systems in Dimension Two: A Priori Bounds and Existence of Positive Solutions. , 2008, , 661-680.		2
97	Concentration-compactness for singular nonlocal Schrödinger equations with oscillatory nonlinearities. <i>Topological Methods in Nonlinear Analysis</i> , 0, , 1.	0.1	2
98	Spike solutions for nonlinear Schrödinger equations in 2D with vanishing potentials. <i>Annali Di Matematica Pura Ed Applicata</i> , 2019, 198, 2093-2122.	1.0	2
99	Soliton solutions for a class of Schrödinger equations with a positive quasilinear term and critical growth. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2022, 65, 279-301.	0.4	2
100	Schrödinger equations with critical nonlinearity, singular potential and a ground state. <i>Journal of Differential Equations</i> , 2010, 249, 240-252.	2.2	1
101	On positive solutions for a class of quasilinear elliptic systems. <i>Acta Mathematica Hungarica</i> , 2011, 132, 316-338.	0.5	1
102	Asymptotic behavior of least energy solutions for a singularly perturbed problem with nonlinear boundary condition. <i>Calculus of Variations and Partial Differential Equations</i> , 2014, 49, 491-516.	1.7	1
103	Standing waves for a system of nonlinear Schrödinger equations in \mathbb{R}^N . <i>Asymptotic Analysis</i> , 2016, 96, 351-372.	0.5	1
104	Symmetry properties for nonnegative solutions of non-uniformly elliptic equations in the hyperbolic space. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 435, 1753-1771.	1.1	1
105	On nonquadratic fractional coupled elliptic systems in \mathbb{C}^n . <i>Complex Variables and Elliptic Equations</i> , 2019, 64, 1994-2018.	0.8	1
106	Multi-bump solutions for singularly perturbed Schrödinger equations in \mathbb{R}^2 with general nonlinearities. <i>Topological Methods in Nonlinear Analysis</i> , 2016, 48, 1.	0.1	1
107	Hönon type equations with one-sided exponential growth. <i>Topological Methods in Nonlinear Analysis</i> , 2017, 49, 1.	0.1	1
108	Singular solutions to Yamabe-type systems with prescribed asymptotics. <i>Journal of Differential Equations</i> , 2023, 347, 246-281.	2.2	1

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109	Positive Solutions for BVPs with One-dimensional Mean Curvature Operator. <i>Advanced Nonlinear Studies</i> , 2014, 14, 261-271.	1.7	0
110	Quasilinear elliptic equations with critical growth involving jumping nonlinearities. <i>Mathematische Nachrichten</i> , 2020, 293, 1094-1109.	0.7	0
111	Hamiltonian elliptic systems with critical polynomial-exponential growth. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2022, 214, 112579.	1.1	0
112	Compactness Within the Space of Complete, Constant Q-Curvature Metrics on the Sphere with Isolated Singularities. <i>International Mathematics Research Notices</i> , 0, , .	0.9	0
113	Asymptotic Behavior of Sobolev Trace Embeddings in Expanding Domains. <i>Progress in Nonlinear Differential Equations and Their Application</i> , 2014, , 1-21.	0.0	0
114	Positive solutions for certain classes of fourth-order ordinary elliptic systems. <i>Progress in Nonlinear Differential Equations and Their Application</i> , 2015, , 163-171.	0.0	0
115	Singularly perturbed N-Laplacian problems with a nonlinearity in the critical growth range. <i>Topological Methods in Nonlinear Analysis</i> , 2017, 49, 1.	0.1	0
116	Stationary Kirchhoff equations involving critical growth and vanishing potential. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2020, 26, 74.	1.4	0
117	Multiplicity results for fractional magnetic problems involving exponential growth. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 3098-3123.	2.2	0
118	Qualitative properties for solutions to subcritical fourth order systems*. <i>Nonlinearity</i> , 2022, 35, 5249-5296.	1.5	0
119	Quasilinear Lane–Emden type systems with sub-natural growth terms. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2024, 242, 113516.	1.1	0