

C A Stuart

List of Publications by Year in descending order

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33
papers

1,068
citations

471509

17
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

251
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasiconvexity and uniqueness of equilibrium solutions in nonlinear elasticity. <i>Archive for Rational Mechanics and Analysis</i> , 1984, 86, 233-249.	2.4	122
2	Bifurcation for Dirichlet Problems Without Eigenvalues. <i>Proceedings of the London Mathematical Society</i> , 1982, s3-45, 169-192.	1.3	99
3	Existence of a nontrivial solution to a strongly indefinite semilinear equation. <i>Proceedings of the American Mathematical Society</i> , 1993, 119, 179-186.	0.8	86
4	Guidance properties of nonlinear planar waveguides. <i>Archive for Rational Mechanics and Analysis</i> , 1993, 125, 145-200.	2.4	77
5	Bifurcation in $L_p(\mathbb{R}^N)$ for a Semilinear Elliptic Equation. <i>Proceedings of the London Mathematical Society</i> , 1988, s3-57, 511-541.	1.3	62
6	Some Bifurcation Theory for k -Set Contractions. <i>Proceedings of the London Mathematical Society</i> , 1973, s3-27, 531-550.	1.3	61
7	Existence theorems for a class of non-linear integral equations. <i>Mathematische Zeitschrift</i> , 1974, 137, 49-66.	0.9	60
8	Self-trapping of an electromagnetic field and bifurcation from the essential spectrum. <i>Archive for Rational Mechanics and Analysis</i> , 1991, 113, 65-96.	2.4	55
9	Existence theory for the Hartree equation. <i>Archive for Rational Mechanics and Analysis</i> , 1973, 51, 60-69.	2.4	48
10	A Variational Problem Related to Self-trapping of an Electromagnetic Field. <i>Mathematical Methods in the Applied Sciences</i> , 1996, 19, 1397-1407.	2.3	45
11	A Variational Method for Boundary Value Problems with Discontinuous Nonlinearities. <i>Journal of the London Mathematical Society</i> , 1980, s2-21, 319-328.	1.0	41
12	Bifurcation from the essential spectrum for some non-compact non-linearities. <i>Mathematical Methods in the Applied Sciences</i> , 1989, 11, 525-542.	2.3	33
13	Differential equations with discontinuous non-linearities. <i>Archive for Rational Mechanics and Analysis</i> , 1976, 63, 59-75.	2.4	26
14	A global branch of solutions to a semilinear equation on an unbounded interval. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 1985, 101, 273-282.	1.2	23
15	A variational approach to bifurcation in L_p on an unbounded symmetrical domain. <i>Mathematische Annalen</i> , 1983, 263, 51-59.	1.4	21
16	Bifurcation of solutions with crystalline symmetry. <i>Journal of Mathematical Physics</i> , 1976, 17, 1949-1953.	1.1	18
17	EXISTENCE OF GUIDED CYLINDRICAL TM-MODES IN AN INHOMOGENEOUS SELF-FOCUSING DIELECTRIC. <i>Mathematical Models and Methods in Applied Sciences</i> , 2010, 20, 1681-1719.	3.3	18
18	Positive solutions of a nonlinear integral equation. <i>Mathematische Annalen</i> , 1971, 192, 119-124.	1.4	17

#	ARTICLE	IF	CITATIONS
19	SOLUTIONS OF LARGE NORM FOR NON-LINEAR STURM-LIOUVILLE PROBLEMS. Quarterly Journal of Mathematics, 1973, 24, 129-139.	0.8	17
20	Bifurcation of Homoclinic Orbits and Bifurcation from the Essential Spectrum. SIAM Journal on Mathematical Analysis, 1989, 20, 1145-1171.	1.9	17
21	Symmetrization Inequalities for Composition Operators of Carathéodory type. Proceedings of the London Mathematical Society, 2003, 87, 396-418.	1.3	15
22	Concave solutions of singular non-linear differential equations. Mathematische Zeitschrift, 1974, 136, 117-135.	0.9	14
23	The Fixed Point Index of a Linear K -Set Contraction. Journal of the London Mathematical Society, 1973, s2-6, 317-320.	1.0	12
24	12. "Spectral Theory of Rotating Chains. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1975, 73, 199-214.	1.2	11
25	Homoclinic orbits for eventually autonomous planar flows. Zeitschrift Fur Angewandte Mathematik Und Physik, 1992, 43, 598-625.	1.4	11
26	The number of solutions of boundary value problems with discontinuous non-linearities. Archive for Rational Mechanics and Analysis, 1977, 66, 225-235.	2.4	10
27	Existence and stability of TE modes in a stratified non-linear dielectric. IMA Journal of Applied Mathematics, 2007, 72, 659-679.	1.6	9
28	Modelling Axi-symmetric Travelling Waves in a Dielectric with Nonlinear Refractive Index. Milan Journal of Mathematics, 2004, 72, 107-128.	1.1	7
29	An Exact Reduction of Maxwell's Equations. , 1992, , 391-405.		6
30	Bifurcation from the Essential Spectrum. , 1997, , 397-443.		6
31	The Fixed Point Index of a Differentiable (\hat{I}) K -Set Contraction. Journal of the London Mathematical Society, 1972, s2-5, 691-696.	1.0	5
32	Two Positive Solutions of a Quasilinear Elliptic Dirichlet Problem. Milan Journal of Mathematics, 2011, 79, 327-341.	1.1	3
33	XXII. "A Priori Estimates and Nonlinear Parabolic Equations of Arbitrary Order. Proceedings of the Royal Society of Edinburgh, 1972, 69, 287-293.	0.1	0