

Klaus Schmitt

List of Publications by Year in descending order

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89
papers

2,667
citations

201385

27
h-index

197535

49
g-index

89
all docs

89
docs citations

89
times ranked

859
citing authors

#	ARTICLE	IF	CITATIONS
1	On the existence of soliton solutions to quasilinear Schrödinger equations. Calculus of Variations and Partial Differential Equations, 2002, 14, 329-344.	0.9	374
2	Permanence and the dynamics of biological systems. Mathematical Biosciences, 1992, 111, 1-71.	0.9	298
3	The Liouville–Bratu–Gelfand Problem for Radial Operators. Journal of Differential Equations, 2002, 184, 283-298.	1.1	147
4	pH-based enzyme potentiometric sensors. Part 1. Theory. Analytical Chemistry, 1985, 57, 1917-1920.	3.2	113
5	On principal eigenvalues for quasilinear elliptic differential operators: an Orlicz-Sobolev space setting. Nonlinear Differential Equations and Applications, 1999, 6, 207-225.	0.4	109
6	Boundary value problems for quasilinear second order elliptic equations. Nonlinear Analysis: Theory, Methods & Applications, 1978, 2, 263-309.	0.6	80
7	Periodic boundary value problems for systems of second order differential equations. Journal of Differential Equations, 1973, 13, 32-47.	1.1	73
8	Nonzero solutions of boundary value problems for second order ordinary and delay-differential equations. Journal of Differential Equations, 1972, 12, 129-147.	1.1	63
9	Boundary value problems for infinite systems of second-order differential equations. Journal of Differential Equations, 1975, 18, 277-295.	1.1	62
10	On positive solutions of semilinear elliptic equations. Proceedings of the American Mathematical Society, 1987, 101, 445-452.	0.4	57
11	Periodic solutions of nonlinear second order differential equations. Mathematische Zeitschrift, 1967, 98, 200-207.	0.4	54
12	Periodic solutions of systems of second-order differential equations. Journal of Differential Equations, 1972, 11, 180-192.	1.1	48
13	A class of nonlinear Sturm-Liouville problems with infinitely many solutions. Transactions of the American Mathematical Society, 1988, 306, 853-859.	0.5	48
14	Nonlinear eigenvalue problems with the parameter near resonance. Annales Polonici Mathematici, 1990, 51, 241-248.	0.2	46
15	Boundary value problems for differential equations with deviating arguments. Aequationes Mathematicae, 1970, 4, 176-190.	0.4	45
16	Positive Solutions of Quasilinear Boundary Value Problems. Journal of Mathematical Analysis and Applications, 1998, 217, 672-686.	0.5	44
17	An application of the shooting method to boundary value problems for second order delay equations. Journal of Mathematical Analysis and Applications, 1971, 36, 588-597.	0.5	43
18	Landesman-Lazer Type Problems At An Eigenvalue Of Odd Multiplicity. Resultate Der Mathematik, 1988, 14, 138-146.	0.2	43

#	ARTICLE	IF	CITATIONS
19	On eigenvalue problems for nondifferentiable mappings. Journal of Differential Equations, 1979, 33, 294-319.	1.1	40
20	Positive solutions and conjugate points for systems of differential equations. Nonlinear Analysis: Theory, Methods & Applications, 1978, 2, 93-105.	0.6	39
21	A nonlinear boundary value problem. Journal of Differential Equations, 1970, 7, 527-537.	1.1	37
22	Persistence in models of predator-prey populations with diffusion. Journal of Differential Equations, 1986, 65, 117-138.	1.1	37
23	On Boundary Value Problems for Degenerate Quasilinear Elliptic Equations and Inequalities. Journal of Differential Equations, 1998, 144, 170-218.	1.1	34
24	On the Eigenvalue Problem for Coupled Elliptic Systems. SIAM Journal on Mathematical Analysis, 1986, 17, 850-862.	0.9	32
25	Positive radial solutions of quasilinear elliptic partial differential equations on a ball. Nonlinear Analysis: Theory, Methods & Applications, 1999, 35, 175-190.	0.6	31
26	On the existence of maximal and minimal solutions for parabolic partial differential equations. Proceedings of the American Mathematical Society, 1979, 73, 211-218.	0.4	28
27	Boundary Value Problems and Comparison Theorems for Ordinary Differential Equations. SIAM Journal on Applied Mathematics, 1974, 26, 670-678.	0.8	27
28	Asymptotic behavior of positive solution branches of elliptic problems with linear part at resonance. Zeitschrift Fur Angewandte Mathematik Und Physik, 1992, 43, 645-676.	0.7	27
29	Boundary value problems for delay-differential equations. Bulletin of the American Mathematical Society, 1968, 74, 997-1000.	3.0	25
30	Noncoercive variational inequalities: some applications. Nonlinear Analysis: Theory, Methods & Applications, 1990, 15, 497-512.	0.6	25
31	Minimization Problems for Noncoercive Functionals Subject to Constraints. Transactions of the American Mathematical Society, 1995, 347, 4485.	0.5	23
32	Quasilinear Elliptic Equations and Inequalities with Rapidly Growing Coefficients. Journal of the London Mathematical Society, 2000, 62, 852-872.	0.5	22
33	Boundary value problems for second order differential equations in convex subsets of a Banach space. Transactions of the American Mathematical Society, 1976, 218, 397-405.	0.5	20
34	Global analysis of two-parameter elliptic eigenvalue problems. Transactions of the American Mathematical Society, 1984, 283, 57-95.	0.5	19
35	Positive solutions of semilinear elliptic boundary value problems. , 1995, , 447-500.		19
36	Periodic solutions of hereditary differential systems. Journal of Differential Equations, 1973, 13, 567-587.	1.1	18

#	ARTICLE	IF	CITATIONS
37	Upper and lower solutions and semilinear second order elliptic equations with non-linear boundary conditions. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1984, 97, 199-207.	0.8	18
38	VARIATIONAL INEQUALITIES OF ELLIPTIC AND PARABOLIC TYPE. Taiwanese Journal of Mathematics, 2002, 6, 287.	0.2	18
39	Boundary value problems for nonlinear second order differential equations. Monatshefte Fur Mathematik, 1968, 72, 347-354.	0.5	17
40	A note on periodic solutions for delay-differential systems. Proceedings of the American Mathematical Society, 1974, 42, 161-161.	0.4	17
41	Boundary value problems with jumping nonlinearities. Rocky Mountain Journal of Mathematics, 1986, 16, 481.	0.2	17
42	Periodic solutions of some nonlinear delay-differential equations. Journal of Mathematical Analysis and Applications, 1980, 74, 494-503.	0.5	16
43	Bounded solutions of nonlinear second order differential equations. Duke Mathematical Journal, 1969, 36, 237.	0.8	15
44	A Note on Periodic Solutions of Second Order Ordinary Differential Equations. SIAM Journal on Applied Mathematics, 1971, 21, 491-494.	0.8	15
45	Boundary Value Problems for Singular Elliptic Equations. Rocky Mountain Journal of Mathematics, 2011, 41, .	0.2	15
46	Comparison theorems for second order delay differential equations. Rocky Mountain Journal of Mathematics, 1971, 1, .	0.2	14
47	On Solutions of Nonlinear Differential Equations with Deviating Arguments. SIAM Journal on Applied Mathematics, 1969, 17, 1171-1176.	0.8	13
48	Period perturbations of linear problems at resonance on convex domains. Rocky Mountain Journal of Mathematics, 1990, 20, 1119.	0.2	13
49	Periodic solutions of a forced nonlinear oscillator involving a onesided restoring force. Archiv Der Mathematik, 1978, 31, 70-73.	0.3	12
50	Nonlinear boundary value problems for systems of differential equations. Archiv Der Mathematik, 1983, 40, 441-446.	0.3	12
51	Almost Periodic Solutions of Nonlinear Second Order Differential Equations. Resultate Der Mathematik, 1992, 21, 190-199.	0.2	12
52	Fixed Point Theorems of Krasnoselâ€™skii Type In Locally Convex Spaces and Applications to Integral Equations. Resultate Der Mathematik, 1994, 25, 290-314.	0.2	12
53	Global topological perturbations of nonlinear elliptic eigenvalue problems. Mathematical Methods in the Applied Sciences, 1983, 5, 376-388.	1.2	11
54	On Principal Eigenvalues of p-Laplacian-like Operators. Journal of Differential Equations, 1996, 130, 235-246.	1.1	11

#	ARTICLE	IF	CITATIONS
55	Positive Radial Solutions of Some Nonlinear Partial Differential Equations. <i>Mathematische Nachrichten</i> , 1997, 186, 101-113.	0.4	11
56	Radial Solutions of Quasilinear Elliptic Differential Equations. <i>Handbook of Differential Equations: Ordinary Differential Equations</i> , 2004, 1, 359-435.	0.2	11
57	Applications of Sub-Supersolution Theorems to Singular Nonlinear Elliptic Problems. <i>Advanced Nonlinear Studies</i> , 2011, 11, 493-524.	0.7	11
58	Existence of solutions of a nonlinear boundary value problem via the method of lines. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1978, 2, 519-535.	0.6	10
59	A priori bounds for positive solutions of a semilinear elliptic equation. <i>Proceedings of the American Mathematical Society</i> , 1985, 95, 47-47.	0.4	10
60	Bernsteinâ€Nagumo conditions and solutions to nonlinear differential inequalities. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 4664-4671.	0.6	10
61	Periodic solutions of linear second order differential equations with deviating argument. <i>Proceedings of the American Mathematical Society</i> , 1970, 26, 282-282.	0.4	9
62	Periodic solutions of nonlinear differential systems. <i>Journal of Mathematical Analysis and Applications</i> , 1972, 40, 174-182.	0.5	9
63	Rothe and Altman type coincidence theorems and applications to differential equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1977, 1, 151-160.	0.6	9
64	Minimization problems for noncoercive functionals subject to constraints. <i>Transactions of the American Mathematical Society</i> , 1995, 347, 4485-4513.	0.5	9
65	Variational Eigenvalues of Degenerate Eigenvalue Problems for the Weighted p -Laplacian. <i>Advanced Nonlinear Studies</i> , 2005, 5, 573-585.	0.7	8
66	Boundary value problems for differential equations with deviating arguments. <i>Aequationes Mathematicae</i> , 1969, 3, 321-322.	0.4	7
67	On the geometry of level sets of positive solutions of semilinear elliptic equations. <i>Rocky Mountain Journal of Mathematics</i> , 1988, 18, .	0.2	7
68	Applications of variational equations to ordinary and partial differential equationsâ€Multiple solutions of boundary value problems. <i>Journal of Differential Equations</i> , 1975, 17, 154-186.	1.1	6
69	Symmetry Breaking in Semilinear Elliptic Problems. , 1990, , 451-470.		5
70	Periodic solutions of small period of systems of n th order differential equations. <i>Proceedings of the American Mathematical Society</i> , 1972, 36, 459-459.	0.4	5
71	PERIODIC SOLUTIONS OF FUNCTIONAL DIFFERENTIAL EQUATIONS OF RETARDED AND NEUTRAL TYPES IN BANACH SPACES. , 1995, , 177-185.		4
72	Fredholm alternatives for nonlinear differential equations. <i>Rocky Mountain Journal of Mathematics</i> , 1982, 12, .	0.2	3

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73	Newton flows for real equations. Rocky Mountain Journal of Mathematics, 1988, 18, .	0.2	3
74	Periodic solutions of delay-differential equations. Lecture Notes in Mathematics, 1979, , 455-469.	0.1	2
75	Boundary value problems for higher order nonlinear differential equations. Nonlinear Analysis: Theory, Methods & Applications, 1993, 21, 293-305.	0.6	2
76	Existence of solutions of non-linear Schrödinger equations. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1977, 76, 227-232.	0.8	1
77	Geometric properties and bounds for positive solutions of semilinear elliptic equations. Lecture Notes in Mathematics, 1987, , 426-434.	0.1	1
78	On Generalized and Viscosity Solutions of Nonlinear Elliptic Equations. Advanced Nonlinear Studies, 2004, 4, 289-306.	0.7	1
79	On a Parabolic Variational Inequality Related to a Sandpile Problem. Journal of Dynamics and Differential Equations, 2015, 27, 879-896.	1.0	1
80	On Parabolic Variational Inequalities with Multivalued Terms and Convex Functionals. Advanced Nonlinear Studies, 2018, 18, 269-287.	0.7	1
81	Bifurcation problems for second order systems. Nonlinear Analysis: Theory, Methods & Applications, 2020, 201, 112042.	0.6	1
82	Existence of nonnegative solutions for semilinear elliptic equations with subcritical exponents. Topological Methods in Nonlinear Analysis, 1995, 5, 125.	0.2	1
83	POSITIVITY, CONTINUATION AND NONLINEAR EIGENVALUE PROBLEMS. , 2005, , .		1
84	Asymptotics for Solution Branches Of Semilinear Elliptic Problems At Resonance. Mathematics in Science and Engineering, 1992, , 249-262.	0.1	0
85	Discrete resonance problems subject to periodic forcing. Proceedings of the American Mathematical Society, 2019, 148, 471-477.	0.4	0
86	Periodic solutions of second order equations - a variational approach. , 2004, , .		0
87	Existence and multiplicity of solutions of some nonlinear equations. Lecture Notes in Mathematics, 1974, , 227-238.	0.1	0
88	On Quadratic Differential Equations. , 1994, , 523-535.		0
89	Nonlinear partial differential equations conference. Rocky Mountain Journal of Mathematics, 1988, 18, .	0.2	0