Yavdat Il'yasov

List of Publications by Year
in descending order

30 papers	377 citations	1305906 8 h-index	889612 19 g-index
30 all docs	30 docs citations	30 times ranked	125 citing authors

#	Article	IF	Citations
1	Min-Max Principles with Nonlinear Generalized Rayleigh Quotients for Nonlinear Equations. Journal of Mathematical Sciences, 2022, 260, 738-747.	0.1	1
2	Existence of S-shaped type bifurcation curve with dual cusp catastrophe via variational methods. Journal of Differential Equations, 2022, 334, 256-279.	1.1	3
3	Finding Saddle-Node Bifurcations via a Nonlinear Generalized Collatzâ€"Wielandt Formula. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150008.	0.7	2
4	Recovery of the nearest potential field from the m observed eigenvalues. Physica D: Nonlinear Phenomena, 2021, 426, 132985.	1.3	6
5	Fundamental Frequency Solutions with Prescribed Action Value to Nonlinear SchrÃ¶dinger Equations. Journal of Mathematical Sciences, 2021, 259, 187-204.	0.1	3
6	On full Zakharov equation and its approximations. Physica D: Nonlinear Phenomena, 2020, 401, 132168.	1.3	0
7	Saddle-Node Bifurcations of Power Systems in the Context of Variational Theory and Nonsmooth Optimization. IEEE Access, 2020, 8, 110986-110993.	2.6	9
8	Estimates on the spectral interval of validity of the anti-maximum principle. Journal of Differential Equations, 2020, 269, 2956-2976.	1.1	1
9	On nonlinear boundary value problem corresponding to N-dimensional inverse spectral problem. Journal of Differential Equations, 2019, 266, 4533-4543.	1.1	14
10	On branches of positive solutions for ?-Laplacian problems at the extreme value of the Nehari manifold method. Proceedings of the American Mathematical Society, 2018, 146, 2925-2935.	0.4	19
11	Computation of maximal turning points to nonlinear equations by nonsmooth optimization. Optimization Methods and Software, 2016, 31, 1-23.	1.6	6
12	On the existence of positive solutions and solutions with compact support for a spectral nonlinear elliptic problem with strong absorption. Nonlinear Analysis: Theory, Methods & Applications, 2015, 119, 484-500.	0.6	13
13	Optimal $W_{loc}^{2,2}$ PohozhaevÂ¼s identity, and nonexistence of weak solutions to some quasilinear elliptic equations. Journal of Differential Equations, 2013, 252, 2792-2823.	1.1	6
14	Positive solutions of indefinite equations withp-Laplacian and supercritical nonlinearity. Complex Variables and Elliptic Equations, 2011, 56, 945-954.	0.4	9
15	Hopf boundary maximum principle violation for semilinear elliptic equations. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 3346-3355.	0.6	16
16	An anti-maximum principle for degenerate elliptic boundary value problems with indefinite weights. Complex Variables and Elliptic Equations, 2010, 55, 897-910.	0.4	2
17	On the existence of pair positiveâ€"negative solutions for resonance problems. Nonlinear Analysis: Theory, Methods & Applications, 2009, 70, 3461-3471.	0.6	0
18	A duality principle corresponding to the parabolic equations. Physica D: Nonlinear Phenomena, 2008, 237, 692-698.	1.3	5

#	Article	IF	Citations
19	Bifurcation calculus by the extended functional method. Functional Analysis and Its Applications, 2007, 41, 18-30.	0.1	14
20	On conformal invariants for elliptic systems with multiple critical exponents. Annals of Global Analysis and Geometry, 2007, 32, 39-66.	0.3	1
21	Multiple solutions to the Yamabe problem. Doklady Mathematics, 2006, 74, 484-486.	0.1	1
22	Solutions of minimal period for a Hamiltonian system with a changing sign potential. Communications on Pure and Applied Analysis, 2005, 4, 175-185.	0.4	0
23	On nonlocal calculation for inhomogeneous indefinite Neumann boundary value problems. Calculus of Variations and Partial Differential Equations, 2005, 22, 101-127.	0.9	8
24	On Global Positive Solutions of Parabolic Equations with a Sign-Indefinite Nonlinearity. Differential Equations, 2005, 41, 548-556.	0.1	3
25	On the stationary solutions of generalized reaction diffusion equations with $p\&q$-Laplacian. Communications on Pure and Applied Analysis, 2005, 4, 9-22.	0.4	209
26	On positive solutions of indefinite inhomogeneous Neumann boundary value problems. Topological Methods in Nonlinear Analysis, 2004, 24, 41.	0.2	1
27	The Pokhozhaev Identity and the Fibering Method. Differential Equations, 2002, 38, 1453-1459.	0.1	0
28	On positive solutions of indefinite elliptic equations. Comptes Rendus Mathematique, 2001, 333, 533-538.	0.5	19
29	Action as function of period for ground states of semilinear elliptic equations. Nonlinear Differential Equations and Applications, 2000, 7, 369-387.	0.4	0
30	On equations of the type $Au = g(x,u,Du)$ with degenerate and nonlinear boundary conditions. Tsukuba Journal of Mathematics, 1999, 23, 505.	0.4	1