

Xudong Yao

List of Publications by Year in descending order

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papers

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1307594

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#	ARTICLE	IF	CITATIONS
1	A Minimax Method for Finding Multiple Critical Points in Banach Spaces and Its Application to Quasi-linear Elliptic PDE. <i>SIAM Journal of Scientific Computing</i> , 2005, 26, 1796-1809.	2.8	33
2	Numerical Methods for Computing Nonlinear Eigenpairs: Part I. Iso-Homogeneous Cases. <i>SIAM Journal of Scientific Computing</i> , 2007, 29, 1355-1374.	2.8	21
3	Unified Convergence Results on a Minimax Algorithm for Finding Multiple Critical Points in Banach Spaces. <i>SIAM Journal on Numerical Analysis</i> , 2007, 45, 1330-1347.	2.3	13
4	Numerical Methods for Computing Nonlinear Eigenpairs: Part II. Non-Iso-Homogeneous Cases. <i>SIAM Journal of Scientific Computing</i> , 2008, 30, 937-956.	2.8	13
5	A numerical method for finding multiple co-existing solutions to nonlinear cooperative systems. <i>Applied Numerical Mathematics</i> , 2008, 58, 1614-1627.	2.1	10
6	A local minimax characterization for computing multiple nonsmooth saddle critical points. <i>Mathematical Programming</i> , 2005, 104, 749-760.	2.4	8
7	A minimax method for finding saddle critical points of upper semi-differentiable locally Lipschitz continuous functional in Hilbert space and its convergence. <i>Mathematics of Computation</i> , 2013, 82, 2087-2136.	2.1	8
8	Convergence Analysis of a Minimax Method for Finding Multiple Solutions of Semilinear Elliptic Equation: Part I—On Polyhedral Domain. <i>Journal of Scientific Computing</i> , 2015, 62, 652-673.	2.3	6
9	Ljusternik–Schnirelman Minimax Algorithms and an Application for Finding Multiple Negative Energy Solutions of Semilinear Elliptic Dirichlet Problem Involving Concave and Convex Nonlinearities: Part I. Algorithms and Convergence. <i>Journal of Scientific Computing</i> , 2016, 66, 19-40.	2.3	5
10	Two classes of Ljusternik–Schnirelman minimax algorithms and an application for finding multiple negative energy solutions of a class of p -Laplacian equations. <i>Journal of Computational and Applied Mathematics</i> , 2018, 342, 495-520.	2.0	5
11	A minimax method for finding saddle points of upper semi-differentiable locally Lipschitz continuous functional in Banach space and its convergence. <i>Journal of Computational and Applied Mathematics</i> , 2016, 296, 528-549.	2.0	4
12	Convergence analysis of a minimax method for finding multiple solutions of hemivariational inequality in Hilbert space. <i>Advances in Computational Mathematics</i> , 2016, 42, 1331-1362.	1.6	3
13	A Ljusternik-Schnirelman minimax algorithm for finding equality constrained saddle points and its application for solving eigen problems: part I. Algorithm and global convergence. <i>Advances in Computational Mathematics</i> , 2019, 45, 269-310.	1.6	2
14	A Morse index formula for minimax type saddle points by a Ljusternik–Schnirelman minimax algorithm and its application in computation of multiple solutions of semilinear elliptic equation. <i>Journal of Computational and Applied Mathematics</i> , 2021, 382, 113076.	2.0	0