Wenbin Liu

List of Publications by Year
in descending order

83 papers	2,660 citations	201385 27 h-index	197535 49 g-index
83 all docs	83 docs citations	83 times ranked	1157 citing authors

#	Article	IF	Citations
1	Adaptive Finite Element Approximation for Distributed Elliptic Optimal Control Problems. SIAM Journal on Control and Optimization, 2002, 41, 1321-1349.	1.1	216
2	A Posteriori Error Estimates for Distributed Convex Optimal Control Problems. Advances in Computational Mathematics, 2001, 15, 285-309.	0.8	174
3	Two-stage DEA models with undesirable input-intermediate-outputs. Omega, 2015, 56, 74-87.	3.6	125
4	A posteriori error estimates for optimal control problems governed by parabolic equations. Numerische Mathematik, 2003, 93, 497-521.	0.9	114
5	A Posteriori Error Estimates for Convex Boundary Control Problems. SIAM Journal on Numerical Analysis, 2001, 39, 73-99.	1.1	108
6	A Legendreâ€“Galerkin Spectral Method for Optimal Control Problems Governed by Elliptic Equations. SIAM Journal on Numerical Analysis, 2008, 46, 2254-2275.	1.1	99
7	A Posteriori Error Estimates for Control Problems Governed by Stokes Equations. SIAM Journal on Numerical Analysis, 2002, 40, 1850-1869.	1.1	94
8	Carbon emission performance evaluation and allocation in Chinese cities. Journal of Cleaner Production, 2018, 172, 1254-1272.	4.6	90
9	Two-level DEA approaches in research evaluation. Omega, 2008, 36, 950-957.	3.6	87
10	Error Estimates and Superconvergence of Mixed Finite Element Methods for Convex Optimal Control Problems. Journal of Scientific Computing, 2010, 42, 382-403.	1.1	79
11	A posteriori error estimates for mixed finite element solutions of convex optimal control problems. Journal of Computational and Applied Mathematics, 2008, 211, 76-89.	1.1	78
12	A bargaining game model for efficiency decomposition in the centralized model of two-stage systems. Computers and Industrial Engineering, 2013, 64, 103-108.	3.4	63
13	A Posteriori Error Estimates for Discontinuous Galerkin Time-Stepping Method for Optimal Control Problems Governed by Parabolic Equations. SIAM Journal on Numerical Analysis, 2004, 42, 1032-1061.	1.1	61
14	Estimation of portfolio efficiency via DEA. Omega, 2015, 52, 107-118.	3.6	61
15	A systemic method for organisational stakeholder identification and analysis using Soft Systems Methodology (SSM). European Journal of Operational Research, 2015, 246, 562-574.	3.5	59
16	A Posteriori Error Estimates of Recovery Type forÂDistributed Convex Optimal Control Problems. Journal of Scientific Computing, 2007, 33, 155-182.	1.1	58
17	DEA frontier improvement and portfolio rebalancing: An application of China mutual funds on considering sustainability information disclosure. European Journal of Operational Research, 2018, 269, 111-131.	3.5	56
18	Quasi-Norm Local Error Estimators forp-Laplacian. SIAM Journal on Numerical Analysis, 2001, 39, 100-127.	1.1	53

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19	ERROR ESTIMATES IN THE APPROXIMATION OF OPTIMIZATION PROBLEMS GOVERNED BY NONLINEAR OPERATORS. Numerical Functional Analysis and Optimization, 2001, 22, 953-972.	0.6	47
20	A posteriori error estimates for control problems governed by nonlinear elliptic equations. Applied Numerical Mathematics, 2003, 47, 173-187.	1.2	43
21	Preconditioned Descent Algorithms for p-Laplacian. Journal of Scientific Computing, 2007, 32, 343-371.	1.1	43
22	Finite Element Approximations of an Optimal Control Problem with Integral State Constraint. SIAM Journal on Numerical Analysis, 2010, 48, 1163-1185.	1.1	39
23	Performance impact of research policy at the Chinese Academy of Sciences. Research Policy, 2011, 40, 875-885.	3.3	38
24	Efficiency evaluation of basic research in China. Scientometrics, 2006, 69, 85-101.	1.6	37
25	A Legendreâ€“Galerkin Spectral Method for Optimal Control Problems Governed by Stokes Equations. SIAM Journal on Numerical Analysis, 2011, 49, 1625-1648.	1.1	35
26	A Fast Gradient Projection Method for a Constrained Fractional Optimal Control. Journal of Scientific Computing, 2016, 68, 1-20.	1.1	35
27	A Posteriori Error Estimators for a Class of Variational Inequalities. Journal of Scientific Computing, 2000, 15, 361-393.	1.1	31
28	Rigid cross-linked PVC foams with high shear properties: The relationship between mechanical properties and chemical structure of the matrix. Composites Science and Technology, 2014, 97, 74-80.	3.8	30
29	Sustainability assessment of energy production: A critical review of methods, measures and issues. Journal of Environmental Management, 2020, 264, 110464.	3.8	29
30	Extended utility and DEA models without explicit input. Journal of the Operational Research Society, 2014, 65, 1212-1220.	2.1	28
31	How relevant is the choice of risk management control variable to non-parametric bank profit efficiency analysis? The case of South Korean banks. Annals of Operations Research, 2017, 250, 105-127.	2.6	28
32	DEA Models via Goal Programming. , 1999, , 79-101.		28
33	Quasi-norm a priori and a posteriori error estimates for the nonconforming approximation of p-Laplacian. Numerische Mathematik, 2001, 89, 341-378.	0.9	27
34	Preference, Production and Performance in Data Envelopment Analysis. Annals of Operations Research, 2006, 145, 105-127.	2.6	27
35	A posteriori error estimates for some model boundary control problems. Journal of Computational and Applied Mathematics, 2000, 120, 159-173.	1.1	26
36	Adaptive finite element methods for the identification of distributed parameters in elliptic equation. Advances in Computational Mathematics, 2008, 29, 27-53.	0.8	25

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37	On Quasi-Norm Interpolation Error Estimation And A Posteriori Error Estimates for p-Laplacian. SIAM Journal on Numerical Analysis, 2002, 40, 1870-1895.	1.1	22
38	Local A Posteriori Error Estimates for Convex Boundary Control Problems. SIAM Journal on Numerical Analysis, 2009, 47, 1886-1908.	1.1	22
39	Environmental efficiency and abatement potential analysis with a two-stage DEA model incorporating the material balance principle. Computers and Industrial Engineering, 2020, 148, 106647.	3.4	21
40	Hierarchical structure and properties of rigid PVC foam crosslinked by the reaction between anhydride and diisocyanate. Journal of Applied Polymer Science, 2018, 135, 46141.	1.3	19
41	Sharp A Posteriori Error Estimates for Optimal Control Governed by Parabolic Integro-Differential Equations. Journal of Scientific Computing, 2015, 65, 1-33.	1.1	18
42	Big data and portfolio optimization: A novel approach integrating DEA with multiple data sources. Omega, 2021, 104, 102479.	3.6	17
43	A comment on â€œA comment on â€˜A fuzzy DEA/AR approach to the selection of flexible manufacturing systemsâ€â€™ and â€œA fuzzy DEA/AR approach to the selection of flexible manufacturing systemsâ€• Computers and Industrial Engineering, 2010, 59, 1019-1021.	3.4	15
44	Adaptive Finite Element Approximation forÂaÂConstrained Optimal Control Problem viaÂMulti-meshes. Journal of Scientific Computing, 2009, 41, 238-255.	1.1	14
45	A convergent adaptive finite element method for elliptic Dirichlet boundary control problems. IMA Journal of Numerical Analysis, 2019, 39, 1985-2015.	1.5	14
46	Time-consistent investment and reinsurance strategies for insurers under multi-period mean-variance formulation with generalized correlated returns. Journal of Management Science and Engineering, 2019, 4, 142-157.	1.9	14
47	Introducing sub-impact factor (SIF-) sequences and an aggregated SIF-indicator for journal ranking. Scientometrics, 2015, 102, 1577-1593.	1.6	13
48	A Priori Error Estimate of Stochastic Galerkin Method for Optimal Control Problem Governed by Stochastic Elliptic PDE with Constrained Control. Journal of Scientific Computing, 2016, 67, 405-431.	1.1	13
49	A Posteriori Error Estimates for Finite Element Approximation of Parabolic p-Laplacian. SIAM Journal on Numerical Analysis, 2006, 43, 2294-2319.	1.1	12
50	Fuzzy data envelopment analysis models with assurance regions: A note. Expert Systems With Applications, 2012, 39, 2227-2231.	4.4	12
51	Parameter uncertainty in estimation of portfolio efficiency: Evidence from an interval diversification-consistent DEA approach. Omega, 2021, 103, 102357.	3.6	12
52	Finite element approximationof a nonlinear elliptic equation arising from bimaterial problemsin elastic-plastic mechanics. Numerische Mathematik, 2000, 86, 491-506.	0.9	11
53	Further study of production possibility set and performance evaluation model in supply chain DEA. Annals of Operations Research, 2013, 206, 585-592.	2.6	10
54	Performance Evaluation of Portfolios with Margin Requirements. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	10

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55	Optimality conditions for strongly monotone variational inequalities. Applied Mathematics and Optimization, 1993, 27, 291-312.	0.8	9
56	Game Cross Efficiency for Systems with Two-Stage Structures. Journal of Applied Mathematics, 2014, 2014, 1-8.	0.4	9
57	On Mixed Error Estimates for Elliptic Obstacle Problems. Advances in Computational Mathematics, 2001, 15, 261-283.	0.8	8
58	A performance management framework for the public sector: The balanced stakeholder model. Journal of the Operational Research Society, 2019, 70, 568-580.	2.1	8
59	Adaptive Finite Element Methods for the Identification of Elastic Constants. Journal of Scientific Computing, 2006, 26, 217-235.	1.1	7
60	Adaptive Finite Element Approximation for an Elliptic Optimal Control Problem with Both Pointwise and Integral Control Constraints. Journal of Scientific Computing, 2014, 60, 160-183.	1.1	7
61	DEA Models with Undesirable Inputs, Intermediates, and Outputs. Profiles in Operations Research, 2015, , 415-446.	0.3	7
62	Time-consistent strategies for multi-period mean-variance portfolio optimization with the serially correlated returns. Communications in Statistics - Theory and Methods, 2020, 49, 2831-2868.	0.6	7
63	A Priori Error Estimate of Stochastic Galerkin Method for Optimal Control Problem Governed by Random Parabolic PDE with Constrained Control. International Journal of Computational Methods, 2016, 13, 1650028.	0.8	6
64	Stochastic leaderâ€“follower DEA models for two-stage systems. Journal of Management Science and Engineering, 2021, , .	1.9	5
65	Behavioral Decision Making in Normative and Descriptive Views: A Critical Review of Literature. Journal of Risk and Financial Management, 2021, 14, 490.	1.1	5
66	A data envelopment analysis model integrated with portfolio theory for energy mix adjustment: Evidence in the power industry. Socio-Economic Planning Sciences, 2022, 83, 101332.	2.5	5
67	Title is missing!. Journal of Scientific Computing, 2001, 16, 435-477.	1.1	4
68	A posteriori error estimates of mixed methods for miscible displacement problems. International Journal for Numerical Methods in Engineering, 2008, 73, 331-343.	1.5	4
69	A mixed multiscale finite element method for convex optimal control problems with oscillating coefficients. Computers and Mathematics With Applications, 2015, 70, 297-313.	1.4	4
70	A Priori Error Estimates of Finite Element Methods for Linear Parabolic Integro-Differential Optimal Control Problems. Advances in Applied Mathematics and Mechanics, 2014, 6, 552-569.	0.7	3
71	Banks efficiency and productivity in Togo after the financial liberalization: a combined Malmquist index approach. Infor, 2018, 56, 317-331.	0.5	3
72	DEA models with Russell measures. Annals of Operations Research, 2019, 278, 337-359.	2.6	3

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73	Estimation of portfolio efficiency in nonconvex settings: A free disposal hull estimator with non-increasing returns to scale. Omega, 2022, 111, 102672.	3.6	3
74	Interpolated sub-impact factor (SIF) sequences for journal rankings. Journal of Informetrics, 2015, 9, 907-914.	1.4	2
75	A FUZZY NON-RADIAL DATA ENVELOPMENT ANALYSIS (DEA) APPROACH TO MEASURE REGIONAL ENVIRONMENTAL PERFORMANCE OF CHINA. Environmental Engineering and Management Journal, 2015, 14, 719-730.	0.2	2
76	Recent Advances in Mesh Adaptivity for Optimal Control Problems. , 2001, , 154-166.		2
77	Performance Evaluation Model of Short-Term Mutual Funds Based on Return-Variance-Liquidity. Security and Communication Networks, 2022, 2022, 1-12.	1.0	2
78	Game Perspectives of DEA Models and Their Duals. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.4	1
79	Stochastic Galerkin Method for Optimal Control Problem Governed by Random Elliptic PDE with State Constraints. Journal of Scientific Computing, 2019, 78, 1571-1600.	1.1	1
80	Corrigendum to: A convergent adaptive finite element method for elliptic Dirichlet boundary control problems. IMA Journal of Numerical Analysis, 2020, 40, 800-800.	1.5	1
81	A non-convex metafrontier DEA model with natural and managerial disposability for pollutant tax levels and environmental efficiencies analysis. Journal of the Operational Research Society, 2022, 73, 2294-2308.	2.1	1
82	A Weighted Subjective Skyline Approach for World University Ranking Systems. , 2021, , .		1
83	A New Multicriteria Decision Making Approach for University Ranking: The Skyline SIR Method. , 2021, , .		0