

Shu Lu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

416
citations

759233

12
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroimmune cardiovascular interfaces control atherosclerosis. <i>Nature</i> , 2022, 605, 152-159.	27.8	86
2	Stability of user-equilibrium route flow solutions for the traffic assignment problem. <i>Transportation Research Part B: Methodological</i> , 2010, 44, 609-617.	5.9	47
3	miRNA-186 inhibits prostate cancer cell proliferation and tumor growth by targeting YY1 and CDK6. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 3309-3314.	1.8	45
4	Sensitivity of Static Traffic User Equilibria with Perturbations in Arc Cost Function and Travel Demand. <i>Transportation Science</i> , 2008, 42, 105-123.	4.4	34
5	Variational Inequalities over Perturbed Polyhedral Convex Sets. <i>Mathematics of Operations Research</i> , 2008, 33, 689-711.	1.3	25
6	Near-Infrared Neodymium Tag for Quantifying Targeted Biomarker and Counting Its Host Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2017, 89, 9239-9246.	6.5	22
7	Confidence Regions for Stochastic Variational Inequalities. <i>Mathematics of Operations Research</i> , 2013, 38, 545-568.	1.3	21
8	Implications of the constant rank constraint qualification. <i>Mathematical Programming</i> , 2011, 126, 365-392.	2.4	20
9	Confidence Intervals and Regions for the Lasso by Using Stochastic Variational Inequality Techniques in Optimization. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2017, 79, 589-611.	2.2	18
10	Normal Fans of Polyhedral Convex Sets. <i>Set-Valued and Variational Analysis</i> , 2008, 16, 281-305.	0.5	15
11	Symmetric Confidence Regions and Confidence Intervals for Normal Map Formulations of Stochastic Variational Inequalities. <i>SIAM Journal on Optimization</i> , 2014, 24, 1458-1484.	2.0	15
12	Individual confidence intervals for solutions to expected value formulations of stochastic variational inequalities. <i>Mathematical Programming</i> , 2017, 165, 151-196.	2.4	14
13	Relation between the constant rank and the relaxed constant rank constraint qualifications. <i>Optimization</i> , 2012, 61, 555-566.	1.7	12
14	A new method to build confidence regions for solutions of stochastic variational inequalities. <i>Optimization</i> , 2014, 63, 1431-1443.	1.7	10
15	Generalized conditioning based approaches to computing confidence intervals for solutions to stochastic variational inequalities. <i>Mathematical Programming</i> , 2019, 174, 99-127.	2.4	6
16	Laser Capture Microdissection-Based mRNA Expression Microarrays and Single-Cell RNA Sequencing in Atherosclerosis Research. <i>Methods in Molecular Biology</i> , 2022, 2419, 715-726.	0.9	5
17	Tissue Clearing Approaches in Atherosclerosis. <i>Methods in Molecular Biology</i> , 2022, 2419, 747-763.	0.9	5
18	Combined Single-Cell RNA and Single-Cell \hat{T}/\hat{I}^2 T Cell Receptor Sequencing of the Arterial Wall in Atherosclerosis. <i>Methods in Molecular Biology</i> , 2022, 2419, 727-746.	0.9	5

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19	Variational Conditions Under the Constant Rank Constraint Qualification. <i>Mathematics of Operations Research</i> , 2010, 35, 120-139.	1.3	4
20	Self-concordant inclusions: a unified framework for path-following generalized Newton-type algorithms. <i>Mathematical Programming</i> , 2019, 177, 173-223.	2.4	4
21	Confidence Intervals for Sparse Penalized Regression With Random Designs. <i>Journal of the American Statistical Association</i> , 2020, 115, 794-809.	3.1	3
22	Local Linear Convergence of an Outer Approximation Projection Method for Variational Inequalities. <i>Journal of Optimization Theory and Applications</i> , 2011, 151, 52-63.	1.5	0
23	Convergence of the augmented decomposition algorithm. <i>Computational Optimization and Applications</i> , 2019, 72, 179-213.	1.6	0
24	Minimization of a class of rare event probabilities and buffered probabilities of exceedance. <i>Annals of Operations Research</i> , 2021, 302, 49-83.	4.1	0