Leshi Shu

List of Publications by Year
in descending order

28	615	623734	610901
papers	citations	14 h-index	24 g-index

28	28	28	371
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-time laser keyhole welding penetration state monitoring based on adaptive fusion images using convolutional neural networks. Journal of Intelligent Manufacturing, 2023, 34, 1259-1273.	7.3	11
2	Reply by the Authors to S. Yang and K. Yee. AIAA Journal, 2022, 60, 2716-2717.	2.6	0
3	A multi-fidelity Bayesian optimization approach based on the expected further improvement. Structural and Multidisciplinary Optimization, 2021, 63, 1709-1719.	3.5	11
4	A parallel constrained lower confidence bounding approach for computationally expensive constrained optimization problems. Applied Soft Computing Journal, 2021, 106, 107276.	7.2	8
5	A multi-fidelity surrogate modeling method based on variance-weighted sum for theÂfusion of multiple non-hierarchical low-fidelity data. Structural and Multidisciplinary Optimization, 2021, 64, 3797-3818.	3.5	10
6	An improved sequential multi-objective robust optimisation approach considering interval uncertainty reduction under mixed uncertainties. Journal of Engineering Design, 2021, 32, 61-89.	2.3	6
7	Variable-fidelity probability of improvement method for efficient global optimization of expensive black-box problems. Structural and Multidisciplinary Optimization, 2020, 62, 3021-3052.	3.5	32
8	Coarse-Grained Force Field Calibration Based on Multiobjective Bayesian Optimization to Simulate Water Diffusion in Poly-Îµ-caprolactone. Journal of Physical Chemistry A, 2020, 124, 5042-5052.	2.5	10
9	A New Multi-Objective Bayesian Optimization Formulation With the Acquisition Function for Convergence and Diversity. Journal of Mechanical Design, Transactions of the ASME, 2020, 142, .	2.9	29
10	Variable-Fidelity Lower Confidence Bounding Approach for Engineering Optimization Problems with Expensive Simulations. AIAA Journal, 2019, 57, 5416-5430.	2.6	26
11	Novel Approach for Selecting Low-Fidelity Scale Factor in Multifidelity Metamodeling. AIAA Journal, 2019, 57, 5320-5330.	2.6	20
12	An online variable-fidelity optimization approach for multi-objective design optimization. Structural and Multidisciplinary Optimization, 2019, 60, 1059-1077.	3.5	16
13	A lower confidence bounding approach based on the coefficient of variation for expensive global design optimization. Engineering Computations, 2019, 36, 830-849.	1.4	14
14	An on-line variable fidelity metamodel assisted Multi-objective Genetic Algorithm for engineering design optimization. Applied Soft Computing Journal, 2018, 66, 438-448.	7.2	18
15	A multi-objective robust optimization approach for engineering design under interval uncertainty. Engineering Computations, 2018, 35, 580-603.	1.4	9
16	An adaptive sampling strategy for Kriging metamodel based on Delaunay triangulation and TOPSIS. Applied Intelligence, 2018, 48, 1644-1656.	5.3	18
17	A robust optimization approach based on multi-fidelity metamodel. Structural and Multidisciplinary Optimization, 2018, 57, 775-797.	3.5	51
18	Comparative studies of error metrics in variable fidelity model uncertainty quantification. Journal of Engineering Design, 2018, 29, 512-538.	2.3	9

#	Article	IF	Citations
19	Advanced Multi-Objective Robust Optimization Under Interval Uncertainty Using Kriging Model and Support Vector Machine. Journal of Computing and Information Science in Engineering, 2018, 18, .	2.7	20
20	Accurate Prediction of the Weld Bead Characteristic in Laser Keyhole Welding Based on the Stochastic Kriging Model. Metals, 2018, 8, 486.	2.3	10
21	Metamodel-based design optimization employing a novel sequential sampling strategy. Engineering Computations, 2017, 34, 2547-2564.	1.4	17
22	A sequential multi-objective robust optimization approach under interval uncertainty based on support vector machines. , 2017, , .		2
23	Optimization of laser welding process parameters of stainless steel 316L using FEM, Kriging and NSGA-II. Advances in Engineering Software, 2016, 99, 147-160.	3.8	84
24	A variable-fidelity modeling method based on self-organizing maps spatial reduction. , 2016, , .		0
25	An active learning metamodeling approach by sequentially exploiting difference information from variable-fidelity models. Advanced Engineering Informatics, 2016, 30, 283-297.	8.0	62
26	An active learning variable-fidelity metamodelling approach based on ensemble of metamodels and objective-oriented sequential sampling. Journal of Engineering Design, 2016, 27, 205-231.	2.3	50
27	An active learning variable-fidelity metamodeling approach for engineering design. , 2015, , .		2
28	An adaptive global variable fidelity metamodeling strategy using a support vector regression based scaling function. Simulation Modelling Practice and Theory, 2015, 59, 18-35.	3.8	70