Huachao Dong

List of Publications by Year
in descending order

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28	592	623734	610901
papers	citations	14 h-index	24 g-index

29	29	29	289
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-start Space Reduction (MSSR) surrogate-based global optimization method. Structural and Multidisciplinary Optimization, 2016, 54, 907-926.	3.5	56
2	SCGOSR: Surrogate-based constrained global optimization using space reduction. Applied Soft Computing Journal, 2018, 65, 462-477.	7.2	55
3	Surrogate-assisted grey wolf optimization for high-dimensional, computationally expensive black-box problems. Swarm and Evolutionary Computation, 2020, 57, 100713.	8.1	53
4	Kriging-assisted teaching-learning-based optimization (KTLBO) to solve computationally expensive constrained problems. Information Sciences, 2021, 556, 404-435.	6.9	43
5	Hybrid surrogate-based optimization using space reduction (HSOSR) for expensive black-box functions. Applied Soft Computing Journal, 2018, 64, 641-655.	7.2	41
6	Surrogate-assisted teaching-learning-based optimization for high-dimensional and computationally expensive problems. Applied Soft Computing Journal, 2021, 99, 106934.	7.2	36
7	Multi-surrogate-based global optimization using a score-based infill criterion. Structural and Multidisciplinary Optimization, 2019, 59, 485-506.	3.5	32
8	Multi-fidelity information fusion based on prediction of kriging. Structural and Multidisciplinary Optimization, 2015, 51, 1267-1280.	3.5	30
9	Multi-surrogate-based Differential Evolution with multi-start exploration (MDEME) for computationally expensive optimization. Advances in Engineering Software, 2018, 123, 62-76.	3.8	27
10	A multistage evolutionary algorithm for many-objective optimization. Information Sciences, 2022, 589, 531-549.	6.9	23
11	Surrogate-based optimization with clustering-based space exploration for expensive multimodal problems. Structural and Multidisciplinary Optimization, 2018, 57, 1553-1577.	3.5	22
12	An efficient kriging modeling method for high-dimensional design problems based on maximal information coefficient. Structural and Multidisciplinary Optimization, 2020, 61, 39-57.	3.5	19
13	Kriging-assisted Discrete Global Optimization (KDGO) for black-box problems with costly objective and constraints. Applied Soft Computing Journal, 2020, 94, 106429.	7.2	19
14	Surrogate-guided multi-objective optimization (SGMOO) using an efficient online sampling strategy. Knowledge-Based Systems, 2021, 220, 106919.	7.1	18
15	Hierarchical Learning Water Cycle Algorithm. Applied Soft Computing Journal, 2020, 86, 105935.	7.2	16
16	Shape optimisation of blended-wing-body underwater gliders based on free-form deformation. Ships and Offshore Structures, 2020, 15, 227-235.	1.9	15
17	Shape optimization for blended-wingâ€“body underwater glider using an advanced multi-surrogate-based high-dimensional model representation method. Engineering Optimization, 2020, 52, 2080-2099.	2.6	14
18	A classification surrogate-assisted multi-objective evolutionary algorithm for expensive optimization. Knowledge-Based Systems, 2022, 242, 108416.	7.1	13

#	Article	IF	Citations
19	A kind of balance between exploitation and exploration on kriging for global optimization of expensive functions. Journal of Mechanical Science and Technology, 2015, 29, 2121-2133.	1.5	12
20	Multi-fidelity global optimization using a data-mining strategy for computationally intensive black-box problems. Knowledge-Based Systems, 2021, 227, 107212.	7.1	10
21	Optimization of Hybrid Energy Storage Systems for Vehicles with Dynamic On-Off Power Loads Using a Nested Formulation. Energies, 2018, 11, 2699.	3.1	9
22	Performance study of a simplified shape optimization strategy for blended-wing-body underwater gliders. International Journal of Naval Architecture and Ocean Engineering, 2020, 12, 455-467.	2.3	8
23	Multi/many-objective evolutionary algorithm assisted by radial basis function models for expensive optimization. Applied Soft Computing Journal, 2022, 122, 108798.	7.2	8
24	A Two-stage Surrogate-Assisted Evolutionary Algorithm (TS-SAEA) for Expensive Multi/Many-objective Optimization. Swarm and Evolutionary Computation, 2022, 73, 101107.	8.1	7
25	Surrogate-based bilevel shape optimization for blended-wingâ€“body underwater gliders. Engineering Optimization, 2023, 55, 998-1019.	2.6	5
26	Coupled-analysis assisted gradient-enhanced kriging method for global multidisciplinary design optimization. Engineering Optimization, 2021, 53, 1081-1100.	2.6	1
27	Ful1-Parameters shape optimization design for blended-wing-body underwater gliders. , 2020, , .		0
28	A modified trust-region assisted variable-fidelity optimization framework for computationally expensive problems. Engineering Computations, 2022, ahead-of-print, .	1.4	0