

Parallel Stochastic Global Optimization Using Radial Ba

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Review of surrogate modeling in water resources. <i>Water Resources Research</i> , 2012, 48, .	1.7	597
2	Uncertainty Analysis for Computationally Expensive Models with Multiple Outputs. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 623-640.	0.7	6
3	Numerical assessment of metamodelling strategies in computationally intensive optimization. <i>Environmental Modelling and Software</i> , 2012, 34, 67-86.	1.9	113
4	Combining radial basis function surrogates and dynamic coordinate search in high-dimensional expensive black-box optimization. <i>Engineering Optimization</i> , 2013, 45, 529-555.	1.5	186
5	Comparison of optimization algorithms for parameter estimation of multi-phase flow models with application to geological carbon sequestration. <i>Advances in Water Resources</i> , 2013, 54, 133-148.	1.7	21
6	Asynchronous evolutionary shape optimization based on high-quality surrogates: application to an air-conditioning duct. <i>Engineering With Computers</i> , 2013, 29, 467-476.	3.5	10
7	SO-MODS: Optimization for high dimensional computationally expensive multi-modal functions with surrogate search. , 2014, , .		6
8	Influence of ensemble surrogate models and sampling strategy on the solution quality of algorithms for a computationally expensive black-box global optimization problems. <i>Journal of Global Optimization</i> , 2014, 60, 123-144.	1.1	127
9	A generic cloud platform for engineering optimization based on OpenStack. <i>Advances in Engineering Software</i> , 2014, 75, 42-57.	1.8	13
10	CH<sub>4</sub> parameter estimation in CLM4.5bgc using surrogate global optimization. <i>Geoscientific Model Development</i> , 2015, 8, 3285-3310.	1.3	26
12	Review: Simulation-optimization models for the management and monitoring of coastal aquifers. <i>Hydrogeology Journal</i> , 2015, 23, 1155-1166.	0.9	60
13	Global change and the groundwater management challenge. <i>Water Resources Research</i> , 2015, 51, 3031-3051.	1.7	282
14	Multiobjective optimisation on a budget: Exploring surrogate modelling for robust multi-reservoir rules generation under hydrological uncertainty. <i>Environmental Modelling and Software</i> , 2015, 69, 396-413.	1.9	55
15	Predicting Melbourne ambulance demand using kernel warping. <i>Annals of Applied Statistics</i> , 2016, 10, .	0.5	10
16	Parallel surrogate-assisted global optimization with expensive functions â€“ a survey. <i>Structural and Multidisciplinary Optimization</i> , 2016, 54, 3-13.	1.7	178
17	MISO: mixed-integer surrogate optimization framework. <i>Optimization and Engineering</i> , 2016, 17, 177-203.	1.3	58
18	SOP: parallel surrogate global optimization with Pareto center selection for computationally expensive single objective problems. <i>Journal of Global Optimization</i> , 2016, 66, 417-437.	1.1	28
19	Combining multiple lower-fidelity models for emulating complex model responses for CCS environmental risk assessment. <i>International Journal of Greenhouse Gas Control</i> , 2016, 46, 248-258.	2.3	13

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20	Multi objective optimization of computationally expensive multi-modal functions with RBF surrogates and multi-rule selection. <i>Journal of Global Optimization</i> , 2016, 64, 17-32.	1.1	114
21	Surrogate-enhanced evolutionary annealing simplex algorithm for effective and efficient optimization of water resources problems on a budget. <i>Environmental Modelling and Software</i> , 2016, 77, 122-142.	1.9	39
22	Optimizing conjunctive use of surface water and groundwater for irrigation to address human-nature water conflicts: A surrogate modeling approach. <i>Agricultural Water Management</i> , 2016, 163, 380-392.	2.4	85
23	Optimization of Renewable Energy Businesses under Operational Level Uncertainties through Extensive Sensitivity Analysis and Stochastic Global Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3360-3372.	1.8	13
24	Global optimization method using adaptive and parallel ensemble of surrogates for engineering design optimization. <i>Optimization</i> , 2017, 66, 1135-1155.	1.0	14
25	Online DEKF for State Estimation in Semi-Batch Free-Radical Polymerization Reactors. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 1465-1470.	0.3	4
27	An adaptive framework for costly black-box global optimization based on radial basis function interpolation. <i>Journal of Global Optimization</i> , 2018, 70, 757-781.	1.1	4
28	The development of a colour discrimination index. <i>Lighting Research and Technology</i> , 2018, 50, 681-700.	1.2	8
29	Parameter calibration in global soil carbon models using surrogate-based optimization. <i>Geoscientific Model Development</i> , 2018, 11, 3027-3044.	1.3	7
30	Framework design for weight-average molecular weight control in semi-batch polymerization. <i>Control Engineering Practice</i> , 2018, 78, 12-23.	3.2	18
31	Asynchronous Parallel Surrogate Optimization Algorithm Based on Ensemble Surrogating Model and Stochastic Response Surface Method. , 2019, , .		5
32	SOP-Hybrid: A Parallel Surrogate-Based Candidate Search Algorithm for Expensive Optimization on Large Parallel Clusters. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 672-680.	0.5	0
33	Benchmarking the efficiency of a metamodeling-enabled algorithm for the calibration of surface water quality models. <i>Journal of Hydroinformatics</i> , 2020, 22, 1718-1726.	1.1	1
34	Evolution Control for parallel ANN-assisted simulation-based optimization application to Tuberculosis Transmission Control. <i>Future Generation Computer Systems</i> , 2020, 113, 454-467.	4.9	6
35	GOPS: efficient RBF surrogate global optimization algorithm with high dimensions and many parallel processors including application to multimodal water quality PDE model calibration. <i>Optimization and Engineering</i> , 2021, 22, 2741-2777.	1.3	12
36	A surrogate-based cooperative optimization framework for computationally expensive black-box problems. <i>Optimization and Engineering</i> , 2020, 21, 1053-1093.	1.3	3
37	Asynchronous Parallel Surrogate Optimization Algorithm for Quantitative Strategy Parameter Tuning. <i>Journal of Signal Processing Systems</i> , 2021, 93, 309-321.	1.4	0
38	Stochastic optimization with adaptive restart: a framework for integrated local and global learning. <i>Journal of Global Optimization</i> , 2021, 79, 87-110.	1.1	11

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39	Automatic clustering-based surrogate-assisted genetic algorithm for groundwater remediation system design. <i>Journal of Hydrology</i> , 2021, 598, 125752.	2.3	11
40	Efficient parallel surrogate optimization algorithm and framework with application to parameter calibration of computationally expensive three-dimensional hydrodynamic lake PDE models. <i>Environmental Modelling and Software</i> , 2021, 135, 104910.	1.9	16
41	Hyper-Parameter Optimization for Deep Learning by Surrogate-based Model with Weighted Distance Exploration. , 2021, , .		0
42	Pump suction shape optimization using a parallel stochastic radial basis function method. <i>International Journal of Computational Methods and Experimental Measurements</i> , 2017, 5, 667-677.	0.1	0
43	Early termination strategies with asynchronous parallel optimization in application to automatic calibration of groundwater PDE models. <i>Environmental Modelling and Software</i> , 2022, 147, 105237.	1.9	5
44	Efficient, parallelized global optimization of groundwater pumping in a regional aquifer with land subsidence constraints. <i>Journal of Environmental Management</i> , 2022, 310, 114753.	3.8	7
45	Efficient Hyperparameter Optimization for Deep Learning Algorithms Using Deterministic RBF Surrogates. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2017, 31, .	3.6	68
46	Sequential approximate optimization with adaptive parallel infill strategy assisted by inaccurate Pareto front. <i>Optimization Methods and Software</i> , 0, , 1-25.	1.6	0
47	An Improved Blind Kriging Surrogate Model for Design Optimization Problems. <i>Mathematics</i> , 2022, 10, 2906.	1.1	3
48	Convergence Rates of Epsilon-Greedy Global Optimization Under Radial Basis Function Interpolation. <i>Stochastic Systems</i> , 2023, 13, 59-92.	0.8	2
49	Comparison of parallel optimization algorithms on computationally expensive groundwater remediation designs. <i>Science of the Total Environment</i> , 2023, 857, 159544.	3.9	4
50	A Framework to Calibrate Ecosystem Demography Models Within Earth System Models Using Parallel Surrogate Global Optimization. <i>Water Resources Research</i> , 2023, 59, .	1.7	0
51	A New Simulationâ€œOptimization Framework for Estimation of Submarine Groundwater Discharge Based on Hydrodynamic Modeling and Isotopic Data. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	1
52	Groundwater Management and Allocation Models: A Review. <i>Water (Switzerland)</i> , 2023, 15, 253.	1.2	4
53	Ten strategies towards successful calibration of environmental models. <i>Journal of Hydrology</i> , 2023, 620, 129414.	2.3	4
55	Assimilating lowâ€œcost highâ€œfrequency sensor data in watershed water quality modeling: A Bayesian approach. <i>Water Resources Research</i> , 0, , .	1.7	0
56	Continuous adaptation of a digital twin model for a pilot flotation plant. <i>Minerals Engineering</i> , 2023, 198, 108081.	1.8	0