

Bjarne Grimstad

List of Publications by Year in descending order

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17
papers

219
citations

1478505

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17
docs citations

17
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	ReLU networks as surrogate models in mixed-integer linear programs. Computers and Chemical Engineering, 2019, 131, 106580.	3.8	79
2	Global optimization of multiphase flow networks using spline surrogate models. Computers and Chemical Engineering, 2016, 84, 237-254.	3.8	32
3	Petroleum production optimization – A static or dynamic problem?. Computers and Chemical Engineering, 2018, 114, 245-253.	3.8	30
4	Global optimization with spline constraints: a new branch-and-bound method based on B-splines. Journal of Global Optimization, 2016, 65, 401-439.	1.8	16
5	Developing a Hybrid Data-Driven, Mechanistic Virtual Flow Meter - a Case Study. IFAC-PapersOnLine, 2020, 53, 11692-11697.	0.9	13
6	Bayesian neural networks for virtual flow metering: An empirical study. Applied Soft Computing Journal, 2021, 112, 107776.	7.2	12
7	Towards an objective feasibility pump for convex MINLPs. Computational Optimization and Applications, 2016, 63, 737-753.	1.6	6
8	A nonlinear, adaptive observer for gas-lift wells operating under slowly varying reservoir pressure. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2824-2829.	0.4	5
9	On gray-box modeling for virtual flow metering. Control Engineering Practice, 2022, 118, 104974.	5.5	5
10	Production Optimization – Facilitated by Divide and Conquer Strategies. IFAC-PapersOnLine, 2015, 48, 1-8.	0.9	4
11	Identifiability and physical interpretability of hybrid, gray-box models - a case study. IFAC-PapersOnLine, 2021, 54, 389-394.	0.9	4
12	Spline Fluid Models for Optimization. IFAC-PapersOnLine, 2016, 49, 400-405.	0.9	3
13	Multi-task learning for virtual flow metering. Knowledge-Based Systems, 2021, 232, 107458.	7.1	3
14	Virtual Flow Metering using B-spline Surrogate Models. IFAC-PapersOnLine, 2015, 48, 292-297.	0.9	2
15	A MIQCP formulation for B-spline constraints. Optimization Letters, 2018, 12, 713-725.	1.6	2
16	Mathematical programming formulations for piecewise polynomial functions. Journal of Global Optimization, 2020, 77, 455-486.	1.8	2
17	Optimization of a Simulated Well Cluster using Surrogate Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 275-280.	0.4	1