

# Brage Rugstad Knudsen

## List of Publications by Year in descending order

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26  
papers

336  
citations

1040056

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h-index

839539

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g-index

26  
all docs

26  
docs citations

26  
times ranked

233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Next frontiers in energy system modelling: A review on challenges and the state of the art. Renewable and Sustainable Energy Reviews, 2022, 160, 112246.	16.4	64
2	Seasonal storage and demand side management in district heating systems with demand uncertainty. Applied Energy, 2021, 285, 116392.	10.1	24
3	Constrained adaptive sampling for domain reduction in surrogate model generation: Applications to hydrogen production. AIChE Journal, 2021, 67, e17357.	3.6	1
4	Thermal energy storage sizing for industrial waste-heat utilization in district heating: A model predictive control approach. Energy, 2021, 234, 121200.	8.8	20
5	Dynamic optimization of control setpoints for an integrated heating and cooling system with thermal energy storages. Energy, 2020, 193, 116771.	8.8	28
6	Optimizing the Capacity of Thermal Energy Storage in Industrial Clusters. Computer Aided Chemical Engineering, 2020, 48, 1459-1464.	0.5	3
7	A nonlinear model predictive control scheme for sensor fault tolerance in observation processes. International Journal of Robust and Nonlinear Control, 2020, 30, 5657-5677.	3.7	4
8	Potential of Thermal Energy Storage for a District Heating System Utilizing Industrial Waste Heat. Energies, 2020, 13, 3923.	3.1	6
9	Mathematical programming formulations for piecewise polynomial functions. Journal of Global Optimization, 2020, 77, 455-486.	1.8	2
10	An Optimal-Control Scheme for Coordinated Surplus-Heat Exchange in Industry Clusters. Energies, 2019, 12, 1877.	3.1	5
11	Petroleum production optimization – A static or dynamic problem?. Computers and Chemical Engineering, 2018, 114, 245-253.	3.8	30
12	Global optimisation of multi-plant manganese alloy production. Computers and Chemical Engineering, 2018, 110, 78-92.	3.8	5
13	Shale-gas wells as virtual storage for supporting intermittent renewables. Energy Policy, 2017, 102, 142-144.	8.8	1
14	Incipient Actuator Fault Handling in Nonlinear Model Predictive Control. IFAC-PapersOnLine, 2017, 50, 15922-15927.	0.9	1
15	Proactive Actuator Fault-Tolerance in Economic MPC for Nonlinear Process Plants**The author gratefully acknowledge support from NFR grant 228460/030 and from Cybernetica AS.. IFAC-PapersOnLine, 2016, 49, 1097-1102.	0.9	1
16	Reducing the risk of another Aliso Canyon. Science, 2016, 353, 878-878.	12.6	3
17	Sensor fault tolerance in output feedback nonlinear model predictive control. , 2016, , .		7
18	An exact penalty-function approach to proactive fault-tolerant economic MPC. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Towards an objective feasibility pump for convex MINLPs. Computational Optimization and Applications, 2016, 63, 737-753.	1.6	6
20	Designing shale-well proxy models for field development and production optimization problems. Journal of Natural Gas Science and Engineering, 2015, 27, 504-514.	4.4	16
21	Shale-gas scheduling for natural-gas supply in electric power production. Energy, 2014, 78, 165-182.	8.8	35
22	Lagrangian relaxation based decomposition for well scheduling in shale-gas systems. Computers and Chemical Engineering, 2014, 63, 234-249.	3.8	28
23	On MINLP Heuristics for Solving Shale-well Scheduling Problems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2721-2726.	0.4	2
24	Shut-in based production optimization of shale-gas systems. Computers and Chemical Engineering, 2013, 58, 54-67.	3.8	40
25	Lagrangian Relaxation Based Production Optimization of Tight-formation Wells*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 147-152.	0.4	0
26	Target-rate Tracking for Shale-gas Multi-well Pads by Scheduled Shut-ins. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 107-113.	0.4	3