Brage Rugstad Knudsen

List of Publications by Year
in descending order

26 papers	336 citations

1040056

9 h-index	

839539

18 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	Shut-in based production optimization of shale-gas systems. Computers and Chemical Engineering, 2013, 58, 54-67.	3.8	40
3	Shale-gas scheduling for natural-gas supply in electric power production. Energy, 2014, 78, 165-182.	8.8	35
4	Petroleum production optimization â€" A static or dynamic problem?. Computers and Chemical Engineering, 2018, 114, 245-253.	3.8	30
5	Lagrangian relaxation based decomposition for well scheduling in shale-gas systems. Computers and Chemical Engineering, 2014, 63, 234-249.	3.8	28
6	Dynamic optimization of control setpoints for an integrated heating and cooling system with thermal energy storages. Energy, 2020, 193, 116771.	8.8	28
7	Seasonal storage and demand side management in district heating systems with demand uncertainty. Applied Energy, 2021, 285, 116392.	10.1	24
8	Thermal energy storage sizing for industrial waste-heat utilization in district heating: A model predictive control approach. Energy, 2021, 234, 121200.	8.8	20
9	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
10	Sensor fault tolerance in output feedback nonlinear model predictive control. , 2016, , .		7
11	Towards an objective feasibility pump for convex MINLPs. Computational Optimization and Applications, 2016, 63, 737-753.	1.6	6
12	Potential of Thermal Energy Storage for a District Heating System Utilizing Industrial Waste Heat. Energies, 2020, 13, 3923.	3.1	6
13	Global optimisation of multi-plant manganese alloy production. Computers and Chemical Engineering, 2018, 110, 78-92.	3.8	5
14	An Optimal-Control Scheme for Coordinated Surplus-Heat Exchange in Industry Clusters. Energies, 2019, 12, 1877.	3.1	5
15	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
16	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
17	Reducing the risk of another Aliso Canyon. Science, 2016, 353, 878-878.	12.6	3
18	Optimizing the Capacity of Thermal Energy Storage in Industrial Clusters. Computer Aided Chemical Engineering, 2020, 48, 1459-1464.	0.5	3

#	Article	IF	Citations
19	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
20	Mathematical programming formulations for piecewise polynomial functions. Journal of Global Optimization, 2020, 77, 455-486.	1.8	2
21	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
22	An exact penalty-function approach to proactive fault-tolerant economic MPC. , 2016, , .		1
23	Shale-gas wells as virtual storage for supporting intermittent renewables. Energy Policy, 2017, 102, 142-144.	8.8	1
24	Incipient Actuator Fault Handling in Nonlinear Model Predictive Control. IFAC-PapersOnLine, 2017, 50, 15922-15927.	0.9	1
25	Constrained adaptive sampling for domain reduction in surrogate model generation: Applications to hydrogen production. AICHE Journal, 2021, 67, e17357.	3.6	1
26	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