Amir Hossein Nikoofard

List of Publications by Year
in descending order

45 papers	325 citations	933447 10 h-index	940533 16 g-index
46 all docs	46 docs citations	46 times ranked	180 citing authors

#	Article	IF	Citations
1	Multiobjective invasive weed optimization: Application to analysis of Pareto improvement models in electricity markets. Applied Soft Computing Journal, 2012, 12, 100-112.	7.2	56
2	Gas pipeline leakage detection based on sensor fusion under model-based fault detection framework. Journal of Petroleum Science and Engineering, 2020, 184, 106581.	4.2	25
3	State and Parameter Estimation of a Drift-Flux Model for Underbalanced Drilling Operations. IEEE Transactions on Control Systems Technology, 2017, 25, 2000-2009.	5.2	23
4	Generation expansion planning using game theory approach to reduce carbon emission: A case study of Iran. Computers and Industrial Engineering, 2021, 162, 107713.	6.3	23
5	Design and Comparison of Constrained MPC With PID Controller for Heave Disturbance Attenuation in Offshore Managed Pressure Drilling Systems. Marine Technology Society Journal, 2014, 48, 90-103.	0.4	17
6	Estimation of States and Parameters of a Drift-Flux Model with Unscented Kalman Filter. IFAC-PapersOnLine, 2015, 48, 165-170.	0.9	15
7	Constrained MPC design for heave disturbance attenuation in offshore drilling systems. , 2013, , .		13
8	A Deep Learning-Based Approach for Generation Expansion Planning Considering Power Plants Lifetime. Energies, 2021, 14, 8035.	3.1	12
9	Design a robust sliding mode controller based on the state and parameter estimation for the nonlinear epidemiological model of Covid-19. Nonlinear Dynamics, 2022, 109, 5-18.	5.2	11
10	A Game Theory Approach Using the TLBO Algorithm for Generation Expansion Planning by Applying Carbon Curtailment Policy. Energies, 2022, 15, 1172.	3.1	11
11	Design and comparison of adaptive estimators for Under-balanced Drilling. , 2014, , .		10
12	Transmission dynamics of novel coronavirus SARS-CoV-2 among healthcare workers, a case study in Iran. Nonlinear Dynamics, 2021, 105, 3749-3761.	5.2	10
13	Reservoir characterization in under-balanced drilling using low-order lumped model. Journal of Process Control, 2018, 62, 24-36.	3.3	9
14	Mixed-Integer Linear Programming for Decentralized Multi-Carrier Optimal Energy Management of a Micro-Grid. Applied Sciences (Switzerland), 2022, 12, 3262.	2.5	9
15	Nonlinear Moving Horizon Observer for Estimation of States and Parameters in Under-Balanced Drilling Operations. , 2014, , .		7
16	Efficient MILP formulations for AC optimal power flow to reduce computational effort. International Transactions on Electrical Energy Systems, 2020, 30, e12434.	1.9	7
17	Application of Rough Neural Network to forecast oil production rate of an oil field in a comparative study. Journal of Petroleum Science and Engineering, 2022, 209, 109935.	4.2	7
18	Switched Robust Model Predictive Based Controller for UAV Swarm System. , 2021, , .		6

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19	Predictive-based sliding mode control for mitigating torsional vibration of drill string in the presence of input delay and external disturbance. JVC/Journal of Vibration and Control, 2021, 27, 2432-2450.	2.6	5
20	Design of optimal PID controller for multivariable time-varying delay discrete-time systems using non-monotonic Lyapunov-Krasovskii approach. Journal of the Franklin Institute, 2021, 358, 6634-6665.	3.4	5
21	Design of nonlinear predictive generalized minimum variance control for performance monitoring of nonlinear control systems. Journal of Process Control, 2021, 106, 54-71.	3.3	4
22	Control of managed pressure drilling systems using nonlinear predictive generalized minimum variance approach based on a Volterra model. ISA Transactions, 2022, 128, 380-390.	5.7	4
23	Evaluation of Lyapunov-based Adaptive Observer using Low-Order Lumped Model for Estimation of Production Index in Under-balanced Drilling. IFAC-PapersOnLine, 2015, 48, 69-75.	0.9	3
24	Tacit Collusion in Pool-Based Electricity Markets with a Demand Shock. , 2018, , .		3
25	Reservoir characterization in under-balanced drilling with nonlinear Moving Horizon Estimation with manual and automatic control conditions. Journal of Petroleum Science and Engineering, 2020, 192, 107248.	4.2	3
26	Persian speech synthesis using enhanced tacotron based on multi-resolution convolution layers and a convex optimization method. Multimedia Tools and Applications, 2022, 81, 3629-3645.	3.9	3
27	A New Approach To Estimate Depth Of Cars Using A Monocular Image. , 2020, , .		3
28	Application of the nonlinear optimisation in regional gravity field modelling using spherical radial base functions. Studia Geophysica Et Geodaetica, 2021, 65, 261-290.	0.5	3
29	AM3D: An accurate crosstalk probability modeling to predict channel delay in 3D ICs. Microelectronics Reliability, 2019, 102, 113379.	1.7	2
30	A Game Framework to Confront Targeted Physical Attacks Considering Optimal Placement of Energy Storage. , 2019, , .		2
31	Unscented Kalman Filter in Gas pipeline leakage magnitude estimation and localization. , 2019, , .		2
32	Application of MPC for an Automatic Voltage Regulator and Load Frequency Control of Interconnected Power System. , 2020, , .		2
33	Decision Making for Autonomous Vehicles' Strategy in Triple-Lane Roundabout Intersections. , 2022, , .		2
34	Fuzzy controller design for constant bottomhole pressure drilling under operational/physical constraints. Journal of Petroleum Science and Engineering, 2022, 212, 110335.	4.2	2
35	An adaptive observer for linear systems with reduced adaptation laws and measurement faults. , 2011, , .		1
36	Multi-Objective Optimal Strategies For HIV Drug Dosage Scheduling Using NSIWO. , 2018, , .		1

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37	Game Theory for Eye Robot Movement: Approach and Hardware Implementation. , 2019, , .		1
38	Smith Predictor Based Sliding Mode Control for Torsional Vibration Control of Drillstring with Input Delay. , 2019, , .		1
39	Optimal perimeter control for Three Urban Regions. , 2020, , .		1
40	Multiagent UAVs Routing in Distributed vs Decentralized models: Game theory approach. , 2021, , .		1
41	Interdependent Network Formation Game Using TLBO Algorithm. , 2019, , .		0
42	Managed Pressure Drilling System State Estimation Using The Multiple Model Adaptive Estimation Approach. , 2020, , .		0
43	A Multi-Objective Generation Expansion Planning with Modeling Load Demand Uncertainty by a Deep Learning- Based Approach. , 2020, , .		0
44	A Game-Theoretic Model for Retail Electricity Market Using Adaptive Expectations Learning. , 2021, , .		0
45	A Fault Isolation Approach for Data-Driven Device Replacement Decision Making. , 2022, , .		0