

Javad Aminian

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

413
citations

1162889

8
h-index

1058333

14
g-index

15
all docs

15
docs citations

15
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Investigation of a MILD Combustion Burner: Analysis of Mixing Field, Chemical Kinetics and Turbulence-Chemistry Interaction. <i>Flow, Turbulence and Combustion</i> , 2012, 88, 597-623.	1.4	107
2	Key modeling issues in prediction of minor species in diluted-preheated combustion conditions. <i>Applied Thermal Engineering</i> , 2011, 31, 3287-3300.	3.0	72
3	Evaluation of ANN modeling for prediction of crude oil fouling behavior. <i>Applied Thermal Engineering</i> , 2008, 28, 668-674.	3.0	57
4	Extended EDC local extinction model accounting finite-rate chemistry for MILD combustion. <i>Fuel</i> , 2016, 165, 123-133.	3.4	47
5	CFD modeling of fouling in crude oil pre-heaters. <i>Energy Conversion and Management</i> , 2012, 64, 344-350.	4.4	40
6	Dynamic crude oil fouling prediction in industrial preheaters using optimized ANN based moving window technique. <i>Chemical Engineering Research and Design</i> , 2012, 90, 938-949.	2.7	32
7	Neuro-based formulation to predict fouling threshold in crude preheaters. <i>International Communications in Heat and Mass Transfer</i> , 2009, 36, 525-531.	2.9	23
8	Experimental and numerical study of iron pyrite nanoparticles synthesis based on hydrothermal method in a laboratory-scale stirred autoclave. <i>Powder Technology</i> , 2016, 287, 177-189.	2.1	8
9	Scale adaptive simulation of vortex structures past a square cylinder. <i>Journal of Hydrodynamics</i> , 2018, 30, 657-671.	1.3	8
10	Hydrodynamic modeling strategy for dense to dilute gas-solid fluidized beds. <i>Particuology</i> , 2017, 31, 105-116.	2.0	5
11	Performance analysis of syngas production in a water thermal plasma reactor. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30017-30028.	3.8	4
12	Experimental and numerical investigation of MILD combustion in a pilot-scale water heater. <i>Energy</i> , 2022, 239, 121888.	4.5	4
13	Numerical investigation of the application of high temperature air combustion in an industrial furnace. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2012, 226, 694-705.	0.8	3
14	Impact of sub-grid scale models on resolving mixing and thermal shear layers in large eddy simulation of JHC flames. <i>Applied Thermal Engineering</i> , 2019, 149, 1244-1254.	3.0	3
15	Dynamic two-point fluidization model for gas-solid fluidized beds. <i>Advanced Powder Technology</i> , 2018, 29, 2845-2858.	2.0	0