

Ebrahim Rezaei

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

705
citations

623734

14
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the hydrodynamics and kinetics of methane decomposition in catalytic liquid metal bubble reactors for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 7547-7568.	7.1	22
2	Dimensionless analysis of reverse water gas shift Packed-Bed membrane reactors. <i>Chemical Engineering Science</i> , 2022, 250, 117377.	3.8	2
3	Coupled hydrodynamic and kinetic model of liquid metal bubble reactor for hydrogen production by noncatalytic thermal decomposition of methane. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2486-2503.	7.1	40
4	Intensification of the Reverse Water Gas Shift Reaction by Water-Permeable Packed-Bed Membrane Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18907-18920.	3.7	17
5	Evaluation of CO ₂ utilization for methanol production via tri-reforming of methane. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101272.	6.8	17
6	Techno-economic comparison of reverse water gas shift reaction to steam and dry methane reforming reactions for syngas production. <i>Chemical Engineering Research and Design</i> , 2019, 144, 354-369.	5.6	47
7	Evaluation of metal oxide nanoparticles for adsorption of gas phase ammonia. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 422-431.	6.7	32
8	Gas phase adsorption of ammonia using nano TiO ₂ -activated carbon composites – Effect of TiO ₂ loading and composite characterization. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5902-5911.	6.7	22
9	Catalytic ozonation of benzotriazole over alumina supported transition metal oxide catalysts in water. <i>Separation and Purification Technology</i> , 2014, 135, 158-164.	7.9	89
10	EXAFS and kinetic study of MnOx/ γ -alumina in gas phase catalytic oxidation of toluene by ozone. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 70-79.	20.2	45
11	Catalytic oxidation of toluene by ozone over alumina supported manganese oxides: Effect of catalyst loading. <i>Applied Catalysis B: Environmental</i> , 2013, 136-137, 239-247.	20.2	111
12	Effect of noble metals on activity of MnO/ γ -alumina catalyst in catalytic ozonation of toluene. <i>Chemical Engineering Journal</i> , 2013, 214, 219-228.	12.7	57
13	Low temperature oxidation of toluene by ozone over MnO/ γ -alumina and MnO/MCM-41 catalysts. <i>Chemical Engineering Journal</i> , 2012, 198-199, 482-490.	12.7	102
14	Reducing water consumption of an industrial plant cooling unit using hybrid cooling tower. <i>Energy Conversion and Management</i> , 2010, 51, 311-319.	9.2	55
15	Heat exchanger networks retrofit by coupling genetic algorithm with NLP and ILP methods. <i>Computers and Chemical Engineering</i> , 2009, 33, 1451-1459.	3.8	47