

Richard Chahine

List of Publications by Year in descending order

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17
papers

378
citations

759233

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all docs

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docs citations

17
times ranked

208
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of final hydrogen temperature from refueling parameters. International Journal of Hydrogen Energy, 2017, 42, 7521-7528.	7.1	45
2	Charge-discharge cycle thermodynamics for compression hydrogen storage system. International Journal of Hydrogen Energy, 2016, 41, 5531-5539.	7.1	44
3	Determining hydrogen pre-cooling temperature from refueling parameters. International Journal of Hydrogen Energy, 2016, 41, 16316-16321.	7.1	44
4	CFD model for charge and discharge cycle of adsorptive hydrogen storage on activated carbon. International Journal of Hydrogen Energy, 2013, 38, 1450-1459.	7.1	38
5	Simulation of hydrogen storage tank packed with metal-organic framework. International Journal of Hydrogen Energy, 2013, 38, 13000-13010.	7.1	36
6	Final hydrogen temperature and mass estimated from refueling parameters. International Journal of Hydrogen Energy, 2018, 43, 22409-22418.	7.1	29
7	Estimation of Final Hydrogen Temperatures During Refueling 35 MPa and 70 MPa Tanks. Energy Procedia, 2017, 105, 1363-1369.	1.8	24
8	Neural network based optimization for cascade filling process of on-board hydrogen tank. International Journal of Hydrogen Energy, 2021, 46, 2936-2951.	7.1	18
9	Multi-objective optimization of cascade storage system in hydrogen refuelling station for minimum cooling energy and maximum state of charge. International Journal of Hydrogen Energy, 2022, 47, 10963-10975.	7.1	18
10	A dual zone thermodynamic model for refueling hydrogen vehicles. International Journal of Hydrogen Energy, 2019, 44, 8780-8790.	7.1	17
11	Determining correlations between final hydrogen temperature and refueling parameters from experimental and numerical data. International Journal of Hydrogen Energy, 2020, 45, 20525-20534.	7.1	16
12	Lumped parameter simulation for charge–discharge cycle of cryo-adsorptive hydrogen storage system. International Journal of Hydrogen Energy, 2012, 37, 13400-13408.	7.1	13
13	Lumped parameter model for charge–discharge cycle of adsorptive hydrogen storage system. International Journal of Heat and Mass Transfer, 2013, 64, 245-253.	4.8	12
14	Thermodynamic analysis for hydriding-dehydriding cycle of metal hydride system. Energy, 2020, 191, 116535.	8.8	9
15	Estimation of filling time for compressed hydrogen refueling. Energy Procedia, 2019, 158, 1897-1903.	1.8	8
16	Numerical solution for thermodynamic model of charge-discharge cycle in compressed hydrogen tank. Energy Procedia, 2019, 158, 2145-2151.	1.8	5
17	Final Hydrogen Mass Determined from Refueling Parameters. Energy Procedia, 2017, 105, 1370-1375.	1.8	2