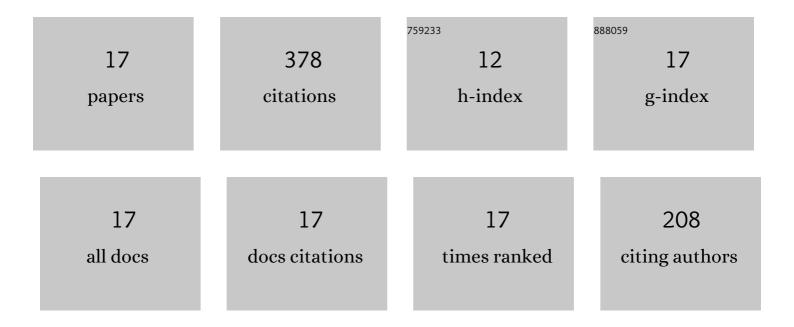
## **Richard Chahine**

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Estimation of final hydrogen temperature from refueling parameters. International Journal of<br>Hydrogen Energy, 2017, 42, 7521-7528.  | 7.1 | 45        |
| 2  | Charge-discharge cycle thermodynamics for compression hydrogen storage system. International<br>Journal of Hydrogen Energy, 2016, 41, 5531-5539.   | 7.1 | 44        |
| 3  | Determining hydrogen pre-cooling temperature from refueling parameters. International Journal of<br>Hydrogen Energy, 2016, 41, 16316-16321.  | 7.1 | 44        |
| 4  | CFD model for charge and discharge cycle of adsorptive hydrogen storage on activated carbon.<br>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<br>Hydrogen Energy, 2013, 38, 13000-13010.   | 7.1 | 36        |
| 6  | Final hydrogen temperature and mass estimated from refueling parameters. International Journal of<br>Hydrogen Energy, 2018, 43, 22409-22418.   | 7.1 | 29        |
| 7  | Estimation of Final Hydrogen Temperatures During Refueling 35 MPa and 70 MPa Tanks. Energy<br>Procedia, 2017, 105, 1363-1369.  | 1.8 | 24        |
| 8  | Neural network based optimization for cascade filling process of on-board hydrogen tank.<br>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<br>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<br>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.<br>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,<br>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         |