

# Richard J Carrillo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6335134/publications.pdf>

Version: 2024-02-01

7  
papers

221  
citations

1478505

6  
h-index

1720034

7  
g-index

7  
all docs

7  
docs citations

7  
times ranked

198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances and trends in redox materials for solar thermochemical fuel production. <i>Solar Energy</i> , 2017, 156, 3-20.	6.1	130
2	Beyond Ceria: Theoretical Investigation of Isothermal and Near-Isothermal Redox Cycling of Perovskites for Solar Thermochemical Fuel Production. <i>Energy &amp; Fuels</i> , 2019, 33, 12871-12884.	5.1	32
3	Solar Reactor Demonstration of Efficient and Selective Syngas Production via Chemical Looping Dry Reforming of Methane over Ceria. <i>Energy Technology</i> , 2020, 8, 2000053.	3.8	28
4	Experimental Framework for Evaluation of the Thermodynamic and Kinetic Parameters of Metal-Oxides for Solar Thermochemical Fuel Production. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2019, 141, .	1.8	11
5	Improved Performance and Efficiency of Lanthanum-Strontium-Manganese Perovskites Undergoing Isothermal Redox Cycling under Controlled p <sub>H2O</sub> /p <sub>H2</sub> . <i>Energy &amp; Fuels</i> , 2020, 34, 16918-16926.	5.1	10
6	Oxygen Nonstoichiometry and Defect Equilibria of Yttrium Manganite Perovskites with Strontium A-Site and Aluminum B-Site Doping. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4448-4458.	3.1	7
7	Facile CO <sub>2</sub> separation and subsequent H <sub>2</sub> production <i>via</i> chemical-looping combustion over ceria-zirconia solid solutions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8545-8556.	2.8	3