

Garrett L Schieber

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

140
citations

1684188

5
h-index

1720034

7
g-index

8
all docs

8
docs citations

8
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental demonstration of a 5 kWth granular-flow reactor for solar thermochemical energy storage with aluminum-doped calcium manganite particles. <i>Applied Thermal Engineering</i> , 2020, 173, 115257.	6.0	46
2	Design and demonstration of a prototype 1.5 kWth hybrid solar/autothermal steam gasifier. <i>Fuel</i> , 2018, 211, 331-340.	6.4	35
3	Solar electricity via an Air Brayton cycle with an integrated two-step thermochemical cycle for heat storage based on Co ₃ O ₄ /CoO redox reactions III: Solar thermochemical reactor design and modeling. <i>Solar Energy</i> , 2017, 150, 584-595.	6.1	28
4	H ₂ O splitting via a two-step solar thermoelectrolytic cycle based on non-stoichiometric ceria redox reactions: Thermodynamic analysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18785-18793.	7.1	15
5	Advection diffusion model for gas transport within a packed bed of JSC-1A regolith simulant. <i>Acta Astronautica</i> , 2020, 169, 32-39.	3.2	8
6	Characterization of H ₂ O transport through Johnson Space Center number 1A lunar regolith simulant at low pressure for <i>in-situ</i> resource utilization. <i>Physics of Fluids</i> , 2021, 33, .	4.0	4
7	Indirect solar receiver development for the thermal extraction of H ₂ O(v) from lunar regolith: Heat and mass transfer modeling. <i>Acta Astronautica</i> , 2022, 190, 365-376.	3.2	4
8	Steam gasification of carbonaceous feedstocks via a 1.5 kWth hybrid solar/autothermal reactor. <i>AIP Conference Proceedings</i> , 2019, .	0.4	0