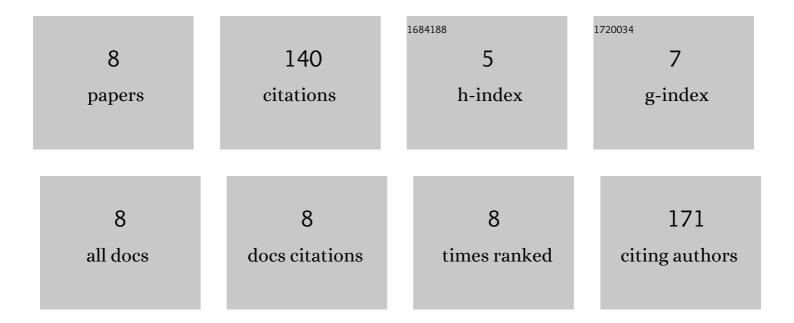
## Garrett L Schieber

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6088230/publications.pdf

Version: 2024-02-01



| # | Article  | IF  | CITATIONS |
|---|--|-----|-----------|
| 1 | Experimental demonstration of a 5ÂkWth granular-flow reactor for solar thermochemical energy<br>storage with aluminum-doped calcium manganite particles. Applied Thermal Engineering, 2020, 173,<br>115257.                                    | 6.0 | 46        |
| 2 | Design and demonstration of a prototype 1.5 kWth hybrid solar/autothermal steam gasifier. Fuel, 2018, 211, 331-340.  | 6.4 | 35        |
| 3 | Solar electricity via an Air Brayton cycle with an integrated two-step thermochemical cycle for heat<br>storage based on Co3O4/CoO redox reactions III: Solar thermochemical reactor design and modeling.<br>Solar Energy, 2017, 150, 584-595. | 6.1 | 28        |
| 4 | H2O splitting via a two-step solar thermoelectrolytic cycle based on non-stoichiometric ceria redox<br>reactions: Thermodynamic analysis. International Journal of Hydrogen Energy, 2017, 42, 18785-18793.                                     | 7.1 | 15        |
| 5 | Advection diffusion model for gas transport within a packed bed of JSC-1A regolith simulant. Acta<br>Astronautica, 2020, 169, 32-39.   | 3.2 | 8         |
| 6 | Characterization of H2O transport through Johnson Space Center number 1A lunar regolith simulant at low pressure for <i>in-situ</i> resource utilization. Physics of Fluids, 2021, 33, .   | 4.0 | 4         |
| 7 | Indirect solar receiver development for the thermal extraction of H2O(v) from lunar regolith: Heat and mass transfer modeling. Acta Astronautica, 2022, 190, 365-376.  | 3.2 | 4         |
| 8 | Steam gasification of carbonaceous feedstocks via a 1.5 kWth hybrid solar/autothermal reactor. AIP<br>Conference Proceedings, 2019, , .  | 0.4 | 0         |