

# Hiroshi Kaneko

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

360  
citations

1163117

8  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotary-Type Solar Reactor for Solar Hydrogen Production with Two-step Water Splitting Process. <i>Energy &amp; Fuels</i> , 2007, 21, 2287-2293.	5.1	129
2	Oxygen-releasing step of ZnFe <sub>2</sub> O <sub>4</sub> /(ZnO+Fe <sub>3</sub> O <sub>4</sub> )-system in air using concentrated solar energy for solar hydrogen production. <i>Solar Energy</i> , 2005, 78, 616-622.	6.1	70
3	Solar hydrogen production using Ce <sub>1-x</sub> Li <sub>x</sub> O <sub>2</sub> solid solutions via a thermochemical, two-step water-splitting cycle. <i>Journal of Solid State Chemistry</i> , 2012, 194, 343-351.	2.9	41
4	Solar thermochemical process for hydrogen production via two-step water splitting cycle based on Ce <sub>1-x</sub> Pr <sub>x</sub> O <sub>2</sub> redox reaction. <i>Thermochimica Acta</i> , 2012, 532, 134-138.	2.7	34
5	Two-Step Water Splitting Process With Solid Solution of YSZ and Ni-Ferrite for Solar Hydrogen Production (ISEC 2005-76151). <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2008, 130, .	1.8	26
6	Study on solid-state chemistry of the ZnO/Fe <sub>3</sub> O <sub>4</sub> /H <sub>2</sub> O system for H <sub>2</sub> production at 973-1073 K. <i>Solid State Ionics</i> , 2004, 172, 121-124.	2.7	20
7	Solar Hydrogen Productivity of Ceria-Scandia Solid Solution Using Two-Step Water-Splitting Cycle. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2013, 135, .	1.8	20
8	Intermediate formation in the reduction of Ni-ferrite with irradiation of high-flux infrared beam up to 1823K. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 63-72.	4.0	10
9	O <sub>2</sub> -releasing reactivity of ceria-based reactive ceramics on irradiation of artificial concentrated solar beam for solar hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 11880-11888.	7.1	8
10	A-site substitution effect of perovskite-type cobalt and manganese oxides on two-step water splitting reaction for solar hydrogen production. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2