

Peter Cendula

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1368258/publications.pdf>

Version: 2024-02-01

16
papers

497
citations

933447

10
h-index

1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Model for Photocurrentâ€“Voltage and Impedance Response of Illuminated Semiconductor/Electrolyte Interface under Small Voltage Bias. Journal of Physical Chemistry C, 2020, 124, 1269-1276.	3.1	6
2	Elucidation of photovoltage origin and charge transport in Cu ₂ O heterojunctions for solar energy conversion. Sustainable Energy and Fuels, 2019, 3, 2633-2641.	4.9	19
3	Heterogeneous Catalytic Reactor for Hydrogen Production from Formic Acid and Its Use in Polymer Electrolyte Fuel Cells. ACS Sustainable Chemistry and Engineering, 2018, 6, 6635-6643.	6.7	31
4	Analysis of Optical Losses in a Photoelectrochemical Cell: A Tool for Precise Absorbance Estimation. Advanced Functional Materials, 2018, 28, 1702768.	14.9	18
5	Targeting Ideal Dualâ€“Absorber Tandem Water Splitting Using Perovskite Photovoltaics and CuIn _x Ga _{1-x} Se ₂ Photocathodes. Advanced Energy Materials, 2015, 5, 1501520.	19.5	109
6	Multi-phase modeling of non-isothermal reactive flow in fluidized bed reactors. Journal of Computational and Applied Mathematics, 2015, 289, 282-295.	2.0	5
7	Experimental realization of coexisting states of rolled-up and wrinkled nanomembranes by strain and etching control. Nanoscale, 2014, 6, 14326-14335.	5.6	9
8	Energy Diagram of Semiconductor/Electrolyte Junctions. Journal of Physical Chemistry Letters, 2014, 5, 205-207.	4.6	61
9	Calculation of the Energy Band Diagram of a Photoelectrochemical Water Splitting Cell. Journal of Physical Chemistry C, 2014, 118, 29599-29607.	3.1	56
10	Electronic and optical properties of quantum wells embedded in wrinkled nanomembranes. Journal of Applied Physics, 2012, 111, 043105.	2.5	15
11	Directional Roll-up of Nanomembranes Mediated by Wrinkling. Nano Letters, 2011, 11, 236-240.	9.1	71
12	Rolled-up tubes and cantilevers by releasing SrRuO ₃ -Pr _{0.7} Ca _{0.3} MnO ₃ nanomembranes. Nanoscale Research Letters, 2011, 6, 621.	5.7	16
13	Bending and wrinkling as competing relaxation pathways for strained free-hanging films. Physical Review B, 2009, 79, .	3.2	72
14	SolCelSim: simulation of charge transport in solar cells developed in Comsol Application Builder. International Journal of Modelling and Simulation, 0, , 1-11.	3.3	4
15	Modelâ€“Based Investigation of Trapâ€“Assisted Recombination in Photoelectrodes for Water Splitting. Advanced Theory and Simulations, 0, , 2100312.	2.8	4
16	Theory of Charge Transport in the Illuminated Semiconductor/Liquid Junctions. , 0, , .		1