

Paul Szymanski

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,360
citations

516710

16
h-index

610901

24
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24
all docs

24
docs citations

24
times ranked

2861
citing authors

#	ARTICLE	IF	CITATIONS
1	Meniscus-assisted solution printing of large-grained perovskite films for high-efficiency solar cells. <i>Nature Communications</i> , 2017, 8, 16045.	12.8	359
2	Photoexcited Surface Frustrated Lewis Pairs for Heterogeneous Photocatalytic CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2016, 138, 1206-1214.	13.7	210
3	Spatial Separation of Charge Carriers in In ₂ O ₃ (OH) Nanocrystal Superstructures for Enhanced Gas-Phase Photocatalytic Activity. <i>ACS Nano</i> , 2016, 10, 5578-5586.	14.6	118
4	Near-Infrared Asymmetrical Squaraine Sensitizers for Highly Efficient Dye Sensitized Solar Cells: The Effect of π -Bridges and Anchoring Groups on Solar Cell Performance. <i>Chemistry of Materials</i> , 2015, 27, 2480-2487.	6.7	104
5	Carrier dynamics and the role of surface defects: Designing a photocatalyst for gas-phase CO ₂ reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8011-E8020.	7.1	89
6	Effect of Molecular Structure Perturbations on the Performance of the π -A π -A Dye Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2014, 26, 4486-4493.	6.7	73
7	Energy-Transfer Efficiency in Eu-Doped ZnO Thin Films: The Effects of Oxidative Annealing on the Dynamics and the Intermediate Defect States. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1765-1772.	8.0	62
8	A Step Toward Efficient Panchromatic Multi-Chromophoric Sensitizers for Dye Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 6305-6313.	6.7	57
9	Some recent developments in photoelectrochemical water splitting using nanostructured TiO ₂ : a short review. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	41
10	Two-Photon Photoemission of Ultrathin Film PTCDA Morphologies on Ag(111). <i>Journal of Physical Chemistry C</i> , 2008, 112, 2506-2513.	3.1	34
11	Role of Solvent π -Oxygen Ion Pairs in Photooxidation of CdSe Nanocrystal Quantum Dots. <i>ACS Nano</i> , 2012, 6, 2371-2377.	14.6	33
12	Electronic Properties and Structure of Assemblies of CdSe Nanocrystal Quantum Dots and Ru π -Polypyridine Complexes Probed by Steady State and Time-Resolved Photoluminescence. <i>Advanced Functional Materials</i> , 2011, 21, 3159-3168.	14.9	26
13	Deposition of loosely bound organic π - π^2 dyes on sensitized TiO ₂ film: a possible strategy to suppress charge recombination and enhance power conversion efficiency in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11229-11234.	10.3	25
14	The photoluminescence properties of undoped & Eu-doped ZnO thin films grown by RF sputtering on sapphire and silicon substrates. <i>Applied Surface Science</i> , 2015, 359, 356-363.	6.1	24
15	Measurement and dynamics of the spatial distribution of an electron localized at a metal π -dielectric interface. <i>Journal of Chemical Physics</i> , 2004, 120, 845-856.	3.0	18
16	Adsorption-state-dependent subpicosecond photoinduced desorption dynamics. <i>Journal of Chemical Physics</i> , 2007, 126, 214709.	3.0	18
17	Different Methods of Increasing the Mechanical Strength of Gold Nanocages. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3527-3531.	4.6	15
18	Determination of Band Curvatures by Angle-Resolved Two-Photon Photoemission in Thin Films of C60 on Ag(111). <i>Journal of Physical Chemistry B</i> , 2006, 110, 10002-10010.	2.6	14

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19	Temperature-Dependent Femtosecond Photoinduced Desorption in CO/Pd(111). Journal of Physical Chemistry A, 2007, 111, 12524-12533.	2.5	13
20	Ultrafast Electron Dynamics at Metal Interfaces: Intradband Relaxation of Image State Electrons as Friction. Journal of Physical Chemistry B, 2005, 109, 20370-20378.	2.6	12
21	The Adsorbate Electron Affinity Dependence of Femtosecond Electron Dynamics at Dielectric/Metal Interfaces. Journal of the Chinese Chemical Society, 2000, 47, 759-763.	1.4	6
22	The Ultrafast Dynamics of Image Potential State Electrons at the Dimethylsulfoxide/Ag(111) Interface. Journal of Physical Chemistry C, 2008, 112, 6880-6886.	3.1	5
23	The Last Step in Converting the Surface Plasmonic Energy into Heat by Nanocages and Nanocubes on Substrates. Small, 2013, 9, 3934-3938.	10.0	2
24	Electronic and Vibrational Dynamics of Hollow Au Nanocages Embedded in Cu ₂ O Shells. Photochemistry and Photobiology, 2015, 91, 599-606.	2.5	2