Paul Szymanski

List of Publications by Year
in descending order

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24 papers	1,360 citations	516710 16 h-index	610901 24 g-index
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. Nature Communications, 2017, 8, 16045.	12.8	359
2	Carrier dynamics and the role of surface defects: Designing a photocatalyst for gas-phase CO ₂ reduction. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8011-E8020.	7.1	89
3	Spatial Separation of Charge Carriers in In₂O_{3â€“x}(OH)_y Nanocrystal Superstructures for Enhanced Gas-Phase Photocatalytic Activity. ACS Nano, 2016, 10, 5578-5586.	14.6	118
4	Photoexcited Surface Frustrated Lewis Pairs for Heterogeneous Photocatalytic CO₂ Reduction. Journal of the American Chemical Society, 2016, 138, 1206-1214.	13.7	210
5	Near-Infrared Asymmetrical Squaraine Sensitizers for Highly Efficient Dye Sensitized Solar Cells: The Effect of Ï€-Bridges and Anchoring Groups on Solar Cell Performance. Chemistry of Materials, 2015, 27, 2480-2487.	6.7	104
6	Electronic and Vibrational Dynamics of Hollow Au Nanocages Embedded in Cu2 O Shells. Photochemistry and Photobiology, 2015, 91, 599-606.	2.5	2
7	The photoluminescence properties of undoped & Eu-doped ZnO thin films grown by RF sputtering on sapphire and silicon substrates. Applied Surface Science, 2015, 359, 356-363.	6.1	24
8	A Step Toward Efficient Panchromatic Multi-Chromophoric Sensitizers for Dye Sensitized Solar Cells. Chemistry of Materials, 2015, 27, 6305-6313.	6.7	57
9	Energy-Transfer Efficiency in Eu-Doped ZnO Thin Films: The Effects of Oxidative Annealing on the Dynamics and the Intermediate Defect States. ACS Applied Materials & Interfaces, 2014, 6, 1765-1772.	8.0	62
10	Deposition of loosely bound organic Dâ€“Aâ€“Ï€â€“Aâ€² dyes on sensitized TiO₂ film: a possible strategy to suppress charge recombination and enhance power conversion efficiency in dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 11229-11234.	10.3	25
11	Effect of Molecular Structure Perturbations on the Performance of the Dâ€“Aâ€²Ï€â€“A Dye Sensitized Solar Cells. Chemistry of Materials, 2014, 26, 4486-4493.	6.7	73
12	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
13	Different Methods of Increasing the Mechanical Strength of Gold Nanocages. Journal of Physical Chemistry Letters, 2012, 3, 3527-3531.	4.6	15
14	Role of Solventâ€“Oxygen Ion Pairs in Photooxidation of CdSe Nanocrystal Quantum Dots. ACS Nano, 2012, 6, 2371-2377.	14.6	33
15	Some recent developments in photoelectrochemical water splitting using nanostructured TiO2: a short review. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	41
16	Electronic Properties and Structure of Assemblies of CdSe Nanocrystal Quantum Dots and Ruâ€Polypyridine Complexes Probed by Steady State and Timeâ€Resolved Photoluminescence. Advanced Functional Materials, 2011, 21, 3159-3168.	14.9	26
17	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
18	Two-Photon Photoemission of Ultrathin Film PTCDA Morphologies on Ag(111). Journal of Physical Chemistry C, 2008, 112, 2506-2513.	3.1	34

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19	Adsorption-state-dependent subpicosecond photoinduced desorption dynamics. Journal of Chemical Physics, 2007, 126, 214709.	3.0	18
20	Temperature-Dependent Femtosecond Photoinduced Desorption in CO/Pd(111). Journal of Physical Chemistry A, 2007, 111, 12524-12533.	2.5	13
21	Determination of Band Curvatures by Angle-Resolved Two-Photon Photoemission in Thin Films of C60on Ag(111). Journal of Physical Chemistry B, 2006, 110, 10002-10010.	2.6	14
22	Ultrafast Electron Dynamics at Metal Interfaces:Â Intraband Relaxation of Image State Electrons as Friction. Journal of Physical Chemistry B, 2005, 109, 20370-20378.	2.6	12
23	Measurement and dynamics of the spatial distribution of an electron localized at a metalâ€“dielectric interface. Journal of Chemical Physics, 2004, 120, 845-856.	3.0	18
24	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