

Victoria

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6287706/publications.pdf>

Version: 2024-02-01

33
papers

5,009
citations

236612

25
h-index

395343

33
g-index

34
all docs

34
docs citations

34
times ranked

7120
citing authors

#	ARTICLE	IF	CITATIONS
1	Monodispersed CsPb ₂ Br ₅ @SiO ₂ Core-Shell Nanoparticles as Luminescent Labels for Biosensing. ACS Applied Nano Materials, 2021, 4, 2011-2018.	2.4	22
2	Nanoparticle Bragg reflectors: A smart analytical tool for biosensing. Biosensors and Bioelectronics: X, 2019, 1, 100012.	0.9	6
3	Recovery of Shallow Charge-Trapping Defects in CsPbX ₃ Nanocrystals through Specific Binding and Encapsulation with Amino-Functionalized Silanes. ACS Energy Letters, 2018, 3, 1409-1414.	8.8	60
4	Impedance spectroscopic analysis of high-performance dye sensitized solar cells based on nano-clay electrolytes. Electrochimica Acta, 2016, 197, 77-83.	2.6	8
5	Temperature Effects on the Photovoltaic Performance of Planar Structure Perovskite Solar Cells. Chemistry Letters, 2015, 44, 1557-1559.	0.7	83
6	Using combined photoreflectance and photoluminescence for understanding optical transitions in perovskites. , 2015, , .		2
7	Synergistic Interaction of Dyes and Semiconductor Quantum Dots for Advanced Cascade Cosensitized Solar Cells. Advanced Functional Materials, 2015, 25, 3220-3226.	7.8	28
8	Enhanced Carrier Transport Distance in Colloidal PbS Quantum-Dot-Based Solar Cells Using ZnO Nanowires. Journal of Physical Chemistry C, 2015, 119, 27265-27274.	1.5	65
9	Efficient passivated phthalocyanine-quantum dot solar cells. Chemical Communications, 2015, 51, 1732-1735.	2.2	26
10	Recombination Study of Combined Halides (Cl, Br, I) Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 1628-1635.	2.1	384
11	General Working Principles of CH ₃ NH ₃ PbX ₃ Perovskite Solar Cells. Nano Letters, 2014, 14, 888-893.	4.5	786
12	Panchromatic Solar-to-H ₂ Conversion by a Hybrid Quantum Dots-Dye Dual Absorber Tandem Device. Journal of Physical Chemistry C, 2014, 118, 891-895.	1.5	27
13	Organo-metal halide perovskite-based solar cells with CuSCN as the inorganic hole selective contact. Journal of Materials Chemistry A, 2014, 2, 12754-12760.	5.2	174
14	Slow Dynamic Processes in Lead Halide Perovskite Solar Cells. Characteristic Times and Hysteresis. Journal of Physical Chemistry Letters, 2014, 5, 2357-2363.	2.1	609
15	Mechanism of carrier accumulation in perovskite thin-absorber solar cells. Nature Communications, 2013, 4, 2242.	5.8	760
16	Selective contacts drive charge extraction in quantum dot solids via asymmetry in carrier transfer kinetics. Nature Communications, 2013, 4, 2272.	5.8	56
17	Harnessing Infrared Photons for Photoelectrochemical Hydrogen Generation. A PbS Quantum Dot Based "Quasi-Artificial Leaf". Journal of Physical Chemistry Letters, 2013, 4, 141-146.	2.1	101
18	Effect of Organic and Inorganic Passivation in Quantum-Dot-Sensitized Solar Cells. Journal of Physical Chemistry Letters, 2013, 4, 1519-1525.	2.1	96

#	ARTICLE	IF	CITATIONS
19	High performance PbS Quantum Dot Sensitized Solar Cells exceeding 4% efficiency: the role of metal precursors in the electron injection and charge separation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13835.	1.3	143
20	Ultrafast characterization of the electron injection from CdSe quantum dots and dye N719 co-sensitizers into TiO ₂ using sulfide based ionic liquid for enhanced long term stability. <i>Electrochimica Acta</i> , 2013, 100, 35-43.	2.6	20
21	Effect of the bridge substitution on the efficiency of dye-sensitized solar cells. <i>Tetrahedron Letters</i> , 2012, 53, 6665-6669.	0.7	8
22	Interfacial engineering of quantum dot-sensitized TiO ₂ fibrous electrodes for futuristic photoanodes in photovoltaic applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 14228.	6.7	32
23	Influenza A virus infection diagnosis based on DVD reader technology. <i>Analytical Methods</i> , 2012, 4, 3133.	1.3	4
24	Colloidal PbS and PbSeS Quantum Dot Sensitized Solar Cells Prepared by Electrophoretic Deposition. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16391-16397.	1.5	81
25	Photoanodes Based on Nanostructured WO ₃ for Water Splitting. <i>ChemPhysChem</i> , 2012, 13, 3025-3034.	1.0	99
26	Dye versus Quantum Dots in Sensitized Solar Cells: Participation of Quantum Dot Absorber in the Recombination Process. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 3032-3035.	2.1	139
27	A Sulfide/Polysulfide-Based Ionic Liquid Electrolyte for Quantum Dot-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 20156-20159.	6.6	153
28	Origin of efficiency enhancement in Nb ₂ O ₅ coated titanium dioxide nanorod based dye sensitized solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 3414.	15.6	75
29	Porphyrin Dyes with High Injection and Low Recombination for Highly Efficient Mesoscopic Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10898-10902.	1.5	79
30	Selective chemical modification of silicon nitride/silicon oxide nanostructures to develop label-free biosensors. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1460-1466.	5.3	48
31	Modeling High-Efficiency Quantum Dot Sensitized Solar Cells. <i>ACS Nano</i> , 2010, 4, 5783-5790.	7.3	615
32	Label-free optical biosensing with slot-waveguides. <i>Optics Letters</i> , 2008, 33, 708.	1.7	201
33	PMMA Isocyanate-Modified Digital Discs as a Support for Oligonucleotide-Based Assays. <i>Bioconjugate Chemistry</i> , 2007, 18, 1408-1414.	1.8	18