

Arianna Marchioro

List of Publications by Year in descending order

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25
papers

8,850
citations

516215

16
h-index

580395

25
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25
all docs

25
docs citations

25
times ranked

11569
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead Iodide Perovskite Sensitized All-Solid-State Submicron Thin Film Mesoscopic Solar Cell with Efficiency Exceeding 9%. <i>Scientific Reports</i> , 2012, 2, 591.	1.6	6,763
2	Unravelling the mechanism of photoinduced charge transfer processes in lead iodide perovskite solar cells. <i>Nature Photonics</i> , 2014, 8, 250-255.	15.6	648
3	A cobalt complex redox shuttle for dye-sensitized solar cells with high open-circuit potentials. <i>Nature Communications</i> , 2012, 3, 631.	5.8	554
4	Luminescent Colloidal Semiconductor Nanocrystals Containing Copper: Synthesis, Photophysics, and Applications. <i>Chemical Reviews</i> , 2016, 116, 10820-10851.	23.0	288
5	The Effect of Hole Transport Material Pore Filling on Photovoltaic Performance in Solid-State Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2011, 1, 407-414.	10.2	130
6	Single-Particle Photoluminescence Spectra, Blinking, and Delayed Luminescence of Colloidal CuInS_2 Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17136-17142.	1.5	76
7	Butyronitrile-Based Electrolyte for Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 13103-13109.	6.6	75
8	Surface Characterization of Colloidal Silica Nanoparticles by Second Harmonic Scattering: Quantifying the Surface Potential and Interfacial Water Order. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20393-20404.	1.5	36
9	Tunneling in the Delayed Luminescence of Colloidal CdSe , Cu^{+} -Doped CdSe , and CuInS_2 Semiconductor Nanocrystals and Relationship to Blinking. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27040-27049.	1.5	35
10	Dynamics of Interfacial Charge Transfer States and Carriers Separation in Dye-Sensitized Solar Cells: A Time-Resolved Terahertz Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26266-26274.	1.5	31
11	Extremely Slow Spontaneous Electron Trapping in Photodoped n-Type CdSe Nanocrystals. <i>Chemistry of Materials</i> , 2017, 29, 3754-3762.	3.2	27
12	Kinetics of the Regeneration by Iodide of Dye Sensitizers Adsorbed on Mesoporous Titania. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17108-17115.	1.5	26
13	Surface Potential and Interfacial Water Order at the Amorphous TiO_2 Nanoparticle/Aqueous Interface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10961-10974.	1.5	25
14	Effect of Posttreatment of Titania Mesoscopic Films by TiCl_4 in Solid-State Dye-Sensitized Solar Cells: A Time-Resolved Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26721-26727.	1.5	20
15	Imaging the Heterogeneity of the Oxygen Evolution Reaction on Gold Electrodes Operando: Activity is Highly Local. <i>ACS Catalysis</i> , 2020, 10, 6084-6093.	5.5	20
16	Electron Stability and Negative-Tetron Luminescence in Free-Standing Colloidal n-Type CdSe/CdS Quantum Dots. <i>ACS Nano</i> , 2017, 11, 10430-10438.	7.3	18
17	Dynamics of Interfacial Electron Transfer from Betanin to Nanocrystalline TiO_2 : The Pursuit of Two-Electron Injection. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19030-19041.	1.5	15
18	Dynamics and Mechanisms of Interfacial Photoinduced Electron Transfer Processes of Third Generation Photovoltaics and Photocatalysis. <i>Chimia</i> , 2011, 65, 704.	0.3	14

#	ARTICLE	IF	CITATIONS
19	Photoinduced processes in lead iodide perovskite solid-state solar cells. Proceedings of SPIE, 2013, , .	0.8	12
20	Strong Dependence of Quantum-Dot Delayed Luminescence on Excitation Pulse Width. Journal of Physical Chemistry Letters, 2017, 8, 3997-4003.	2.1	11
21	Second Harmonic Scattering Reveals Ion-Specific Effects at the SiO ₂ and TiO ₂ Nanoparticle/Aqueous Interface. Journal of Physical Chemistry C, 2021, 125, 25261-25274.	1.5	11
22	Mapping Electrochemical Heterogeneity at Gold Surfaces: A Second Harmonic Imaging Study. Journal of Physical Chemistry C, 2020, 124, 20021-20034.	1.5	8
23	Two-electron photo-oxidation of betanin on titanium dioxide and potential for improved dye-sensitized solar energy conversion. Proceedings of SPIE, 2014, , .	0.8	4
24	Recent Advances in Understanding Delayed Photoluminescence in Colloidal Semiconductor Nanocrystals. Chimia, 2017, 71, 13.	0.3	2
25	Photoinduced Interfacial Electron Transfer and Lateral Charge Transport in Molecular Donor-Acceptor Photovoltaic Systems. Chimia, 2011, 65, 353.	0.3	1