Arianna Marchioro

List of Publications by Year
in descending order

25 papers	8,850 citations	516710 16 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	11569 citing authors

#	Article	IF	Citations
1	Second Harmonic Scattering Reveals Ion-Specific Effects at the SiO₂ and TiO₂ Nanoparticle/Aqueous Interface. Journal of Physical Chemistry C, 2021, 125, 25261-25274.	3.1	11
2	Mapping Electrochemical Heterogeneity at Gold Surfaces: A Second Harmonic Imaging Study. Journal of Physical Chemistry C, 2020, 124, 20021-20034.	3.1	8
3	Imaging the Heterogeneity of the Oxygen Evolution Reaction on Gold Electrodes Operando: Activity is Highly Local. ACS Catalysis, 2020, 10, 6084-6093.	11.2	20
4	Surface Potential and Interfacial Water Order at the Amorphous TiO₂Nanoparticle/Aqueous Interface. Journal of Physical Chemistry C, 2020, 124, 10961-10974.	3.1	25
5	Surface Characterization of Colloidal Silica Nanoparticles by Second Harmonic Scattering: Quantifying the Surface Potential and Interfacial Water Order. Journal of Physical Chemistry C, 2019, 123, 20393-20404.	3.1	36
6	Extremely Slow Spontaneous Electron Trapping in Photodoped n-Type CdSe Nanocrystals. Chemistry of Materials, 2017, 29, 3754-3762.	6.7	27
7	Electron Stability and Negative-Tetron Luminescence in Free-Standing Colloidal n-Type CdSe/CdS Quantum Dots. ACS Nano, 2017, 11, 10430-10438.	14.6	18
8	Strong Dependence of Quantum-Dot Delayed Luminescence on Excitation Pulse Width. Journal of Physical Chemistry Letters, 2017, 8, 3997-4003.	4.6	11
9	Recent Advances in Understanding Delayed Photoluminescence in Colloidal Semiconductor Nanocrystals. Chimia, 2017, 71, 13.	0.6	2
10	Single-Particle Photoluminescence Spectra, Blinking, and Delayed Luminescence of Colloidal CuInS₂ Nanocrystals. Journal of Physical Chemistry C, 2016, 120, 17136-17142.	3.1	76
11	Luminescent Colloidal Semiconductor Nanocrystals Containing Copper: Synthesis, Photophysics, and Applications. Chemical Reviews, 2016, 116, 10820-10851.	47.7	288
12	Tunneling in the Delayed Luminescence of Colloidal CdSe, Cu⁺-Doped CdSe, and CuInS₂ Semiconductor Nanocrystals and Relationship to Blinking. Journal of Physical Chemistry C, 2016, 120, 27040-27049.	3.1	35
13	Dynamics of Interfacial Charge Transfer States and Carriers Separation in Dye-Sensitized Solar Cells: A Time-Resolved Terahertz Spectroscopy Study. Journal of Physical Chemistry C, 2015, 119, 26266-26274.	3.1	31
14	Dynamics of Interfacial Electron Transfer from Betanin to Nanocrystalline TiO₂: The Pursuit of Two-Electron Injection. Journal of Physical Chemistry C, 2015, 119, 19030-19041.	3.1	15
15	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
16	Unravelling the mechanism of photoinduced charge transfer processes in lead iodide perovskite solar cells. Nature Photonics, 2014, 8, 250-255.	31.4	648
17	Kinetics of the Regeneration by Iodide of Dye Sensitizers Adsorbed on Mesoporous Titania. Journal of Physical Chemistry C, 2014, 118, 17108-17115.	3.1	26
18	Photoinduced processes in lead iodide perovskite solid-state solar cells. Proceedings of SPIE, 2013, , .	0.8	12

#	Article	IF	Citations
19	Effect of Posttreatment of Titania Mesoscopic Films by TiCl₄ in Solid-State Dye-Sensitized Solar Cells: A Time-Resolved Spectroscopy Study. Journal of Physical Chemistry C, 2012, 116, 26721-26727.	3.1	20
20	A cobalt complex redox shuttle for dye-sensitized solar cells with high open-circuit potentials. Nature Communications, 2012, 3, 631.	12.8	554
21	Lead Iodide Perovskite Sensitized All-Solid-State Submicron Thin Film Mesoscopic Solar Cell with Efficiency Exceeding 9%. Scientific Reports, 2012, 2, 591.	3.3	6,763
22	Butyronitrile-Based Electrolyte for Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2011, 133, 13103-13109.	13.7	75
23	Dynamics and Mechanisms of Interfacial Photoinduced Electron Transfer Processes of Third Generation Photovoltaics and Photocatalysis. Chimia, 2011, 65, 704.	0.6	14
24	Photoinduced Interfacial Electron Transfer and Lateral Charge Transport in Molecular Donorâ€“Acceptor Photovoltaic Systems. Chimia, 2011, 65, 353.	0.6	1
25	The Effect of Hole Transport Material Pore Filling on Photovoltaic Performance in Solidâ€State Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2011, 1, 407-414.	19.5	130