Rafael S SÃ¡nchez SÃ¡nchez

List of Publications by Year
in descending order

33	3,422	218592	414303
papers	citations	26 h-index	32 g-index

34	34	34	6051
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoinduced Giant Dielectric Constant in Lead Halide Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 2390-2394.	2.1	629
2	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
3	Recombination Study of Combined Halides (Cl, Br, I) Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 1628-1635.	2.1	384
4	Bright Visible-Infrared Light Emitting Diodes Based on Hybrid Halide Perovskite with Spiro-OMeTAD as a Hole-Injecting Layer. Journal of Physical Chemistry Letters, 2015, 6, 1883-1890.	2.1	233
5	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
6	Effect of different lead precursors on perovskite solar cell performance and stability. Journal of Materials Chemistry A, 2015, 3, 9194-9200.	5.2	131
7	Light-induced effects on Spiro-OMeTAD films and hybrid lead halide perovskite solar cells. Solar Energy Materials and Solar Cells, 2016, 158, 189-194.	3.0	124
8	Cooperative kinetics of depolarization in CH₃NH₃PbI₃ perovskite solar cells. Energy and Environmental Science, 2015, 8, 910-915.	15.6	116
9	Mechanistic Evidence for a Ring-Opening Pathway in the Pd-Catalyzed Direct Arylation of Benzoxazoles. Journal of the American Chemical Society, 2007, 129, 5824-5825.	6.6	112
10	Harnessing Infrared Photons for Photoelectrochemical Hydrogen Generation. A PbS Quantum Dot Based â€œQuasi-Artificial Leafâ€• Journal of Physical Chemistry Letters, 2013, 4, 141-146.	2.1	101
11	Effect of Organic and Inorganic Passivation in Quantum-Dot-Sensitized Solar Cells. Journal of Physical Chemistry Letters, 2013, 4, 1519-1525.	2.1	96
12	Analysis of the Hysteresis Behavior of Perovskite Solar Cells with Interfacial Fullerene Self-Assembled Monolayers. Journal of Physical Chemistry Letters, 2016, 7, 4622-4628.	2.1	68
13	Tunable light emission by exciplex state formation between hybrid halide perovskite and core/shell quantum dots: Implications in advanced LEDs and photovoltaics. Science Advances, 2016, 2, e1501104.	4.7	66
14	New iridium complex as additive to the spiro-OMeTAD in perovskite solar cells with enhanced stability. APL Materials, 2014, 2, .	2.2	60
15	Boosting Long-Term Stability of Pure Formamidinium Perovskite Solar Cells by Ambient Air Additive Assisted Fabrication. ACS Energy Letters, 2021, 6, 3511-3521.	8.8	56
16	Gated Photochromism and Acidity Photomodulation of a Diacid Dithienylethene Dye. Chemistry - A European Journal, 2012, 18, 6568-6575.	1.7	49
17	Light- and Redox-Controlled Fluorescent Switch Based on a Perylenediimideâ€“Dithienylethene Dyad. Journal of Physical Chemistry C, 2012, 116, 7164-7172.	1.5	46
18	All solution processed low turn-on voltage near infrared LEDs based on coreâ€“shell PbSâ€“CdS quantum dots with inverted device structure. Nanoscale, 2014, 6, 8551-8555.	2.8	37

#	Article	IF	Citations
19	Photon Up-Conversion with Lanthanide-Doped Oxide Particles for Solar H₂ Generation. Journal of Physical Chemistry C, 2014, 118, 11279-11284.	1.5	37
20	Single step deposition of an interacting layer of a perovskite matrix with embedded quantum dots. Nanoscale, 2016, 8, 14379-14383.	2.8	29
21	White light emission from lead-free mixed-cation doped Cs₂SnCl₆ nanocrystals. Nanoscale, 2022, 14, 1468-1479.	2.8	29
22	Synergistic Interaction of Dyes and Semiconductor Quantum Dots for Advanced Cascade Cosensitized Solar Cells. Advanced Functional Materials, 2015, 25, 3220-3226.	7.8	28
23	Recombination reduction on lead halide perovskite solar cells based on low temperature synthesized hierarchical TiO₂nanorods. Nanoscale, 2016, 8, 6271-6277.	2.8	28
24	Color-Tunable White-Light-Emitting Materials Based on Liquid-Filled Capsules and Thermally Responsive Dyes. ACS Applied Materials & Interfaces, 2019, 11, 17751-17758.	4.0	28
25	Transformation of PbI₂, PbBr₂ and PbCl₂ salts into MAPbBr₃ perovskite by halide exchange as an effective method for recombination reduction. Physical Chemistry Chemical Physics, 2017, 19, 10913-10921.	1.3	27
26	A Comparative Study of Lightâ€Emitting Diodes Based on Allâ€Inorganic Perovskite Nanoparticles (CsPbBr₃) Synthesized at Room Temperature and by a Hotâ€Injection Method. ChemPlusChem, 2018, 83, 294-299.	1.3	27
27	Efficient passivated phthalocyanine-quantum dot solar cells. Chemical Communications, 2015, 51, 1732-1735.	2.2	26
28	Inductive and Capacitive Hysteresis of Halide Perovskite Solar Cells and Memristors Under Illumination. Frontiers in Energy Research, 0, 10, .	1.2	21
29	Device performance and light characteristics stability of quantum-dot-based white-light-emitting diodes. Nano Research, 2018, 11, 1575-1588.	5.8	20
30	Laser Synthesis and Characterization of Nitrogen-Doped TiO₂ Vertically Aligned Columnar Array Photocatalysts. Journal of Physical Chemistry C, 2012, 116, 14534-14540.	1.5	19
31	Continuousâ€Flow Synthesis of Orange Emitting Sn(II)â€Doped CsBr Materials. Advanced Optical Materials, 2021, 9, 2101024.	3.6	5
32	Up-Converting Lanthanide-Doped YAG Nanospheres. Frontiers in Materials, 2020, 7, .	1.2	4
33	Supramolecular gating of TADF process in self-assembled nano-spheres for high-resolution OLED applications. Chemical Communications, 2022, 58, 1163-1166.	2.2	3