

# Rafael S SÃ¡nchez SÃ¡nchez

## List of Publications by Year in descending order

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33  
papers

3,422  
citations

218592

26  
h-index

414303

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

6051  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | White light emission from lead-free mixed-cation doped Cs <sub>2</sub> SnCl <sub>6</sub> nanocrystals. <i>Nanoscale</i> , 2022, 14, 1468-1479.   | 2.8  | 29        |
| 2  | Supramolecular gating of TADF process in self-assembled nano-spheres for high-resolution OLED applications. <i>Chemical Communications</i> , 2022, 58, 1163-1166.  | 2.2  | 3         |
| 3  | Continuous-Flow Synthesis of Orange Emitting Sn(II)-Doped CsBr Materials. <i>Advanced Optical Materials</i> , 2021, 9, 2101024.  | 3.6  | 5         |
| 4  | Boosting Long-Term Stability of Pure Formamidinium Perovskite Solar Cells by Ambient Air Additive Assisted Fabrication. <i>ACS Energy Letters</i> , 2021, 6, 3511-3521.  | 8.8  | 56        |
| 5  | Up-Converting Lanthanide-Doped YAG Nanospheres. <i>Frontiers in Materials</i> , 2020, 7, .   | 1.2  | 4         |
| 6  | Color-Tunable White-Light-Emitting Materials Based on Liquid-Filled Capsules and Thermally Responsive Dyes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17751-17758.   | 4.0  | 28        |
| 7  | A Comparative Study of Light-Emitting Diodes Based on All-Inorganic Perovskite Nanoparticles (CsPbBr <sub>3</sub> ) Synthesized at Room Temperature and by a Hot-Injection Method. <i>ChemPlusChem</i> , 2018, 83, 294-299.                                      | 1.3  | 27        |
| 8  | Device performance and light characteristics stability of quantum-dot-based white-light-emitting diodes. <i>Nano Research</i> , 2018, 11, 1575-1588.   | 5.8  | 20        |
| 9  | Transformation of Pb <sub>2</sub> , PbBr <sub>2</sub> and PbCl <sub>2</sub> salts into MAPbBr <sub>3</sub> perovskite by halide exchange as an effective method for recombination reduction. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10913-10921. | 1.3  | 27        |
| 10 | Single step deposition of an interacting layer of a perovskite matrix with embedded quantum dots. <i>Nanoscale</i> , 2016, 8, 14379-14383.   | 2.8  | 29        |
| 11 | Light-induced effects on Spiro-OMeTAD films and hybrid lead halide perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 158, 189-194.   | 3.0  | 124       |
| 12 | Analysis of the Hysteresis Behavior of Perovskite Solar Cells with Interfacial Fullerene Self-Assembled Monolayers. <i>Journal of Physical Chemistry Letters</i> , 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. <i>Science Advances</i> , 2016, 2, e1501104.   | 4.7  | 66        |
| 14 | Recombination reduction on lead halide perovskite solar cells based on low temperature synthesized hierarchical TiO <sub>2</sub> nanorods. <i>Nanoscale</i> , 2016, 8, 6271-6277.  | 2.8  | 28        |
| 15 | Cooperative kinetics of depolarization in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. <i>Energy and Environmental Science</i> , 2015, 8, 910-915.   | 15.6 | 116       |
| 16 | Synergistic Interaction of Dyes and Semiconductor Quantum Dots for Advanced Cascade Cosensitized Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 3220-3226.  | 7.8  | 28        |
| 17 | Bright Visible-Infrared Light Emitting Diodes Based on Hybrid Halide Perovskite with Spiro-OMeTAD as a Hole-Injecting Layer. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1883-1890.  | 2.1  | 233       |
| 18 | Efficient passivated phthalocyanine-quantum dot solar cells. <i>Chemical Communications</i> , 2015, 51, 1732-1735.   | 2.2  | 26        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Effect of different lead precursors on perovskite solar cell performance and stability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9194-9200.                                       | 5.2 | 131       |
| 20 | Recombination Study of Combined Halides (Cl, Br, I) Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1628-1635.  | 2.1 | 384       |
| 21 | All solution processed low turn-on voltage near infrared LEDs based on core-shell PbS/CdS quantum dots with inverted device structure. <i>Nanoscale</i> , 2014, 6, 8551-8555.               | 2.8 | 37        |
| 22 | New iridium complex as additive to the spiro-OMeTAD in perovskite solar cells with enhanced stability. <i>APL Materials</i> , 2014, 2, .  | 2.2 | 60        |
| 23 | Photon Up-Conversion with Lanthanide-Doped Oxide Particles for Solar H <sub>2</sub> Generation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11279-11284.                            | 1.5 | 37        |
| 24 | Photoinduced Giant Dielectric Constant in Lead Halide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2390-2394.  | 2.1 | 629       |
| 25 | Organo-metal halide perovskite-based solar cells with CuSCN as the inorganic hole selective contact. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12754-12760.                        | 5.2 | 174       |
| 26 | Slow Dynamic Processes in Lead Halide Perovskite Solar Cells. Characteristic Times and Hysteresis. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2357-2363.                       | 2.1 | 609       |
| 27 | Harnessing Infrared Photons for Photoelectrochemical Hydrogen Generation. A PbS Quantum Dot Based "Quasi-Artificial Leaf". <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 141-146. | 2.1 | 101       |
| 28 | Effect of Organic and Inorganic Passivation in Quantum-Dot-Sensitized Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1519-1525.                                       | 2.1 | 96        |
| 29 | Laser Synthesis and Characterization of Nitrogen-Doped TiO <sub>2</sub> Vertically Aligned Columnar Array Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14534-14540.  | 1.5 | 19        |
| 30 | Light- and Redox-Controlled Fluorescent Switch Based on a Peryleneimide-Dithienylethene Dyad. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7164-7172.                                | 1.5 | 46        |
| 31 | Gated Photochromism and Acidity Photomodulation of a Diacid Dithienylethene Dye. <i>Chemistry - A European Journal</i> , 2012, 18, 6568-6575.   | 1.7 | 49        |
| 32 | Mechanistic Evidence for a Ring-Opening Pathway in the Pd-Catalyzed Direct Arylation of Benzoxazoles. <i>Journal of the American Chemical Society</i> , 2007, 129, 5824-5825.               | 6.6 | 112       |
| 33 | Inductive and Capacitive Hysteresis of Halide Perovskite Solar Cells and Memristors Under Illumination. <i>Frontiers in Energy Research</i> , 0, 10, .                                      | 1.2 | 21        |