

# Daniel Ramirez

## List of Publications by Year in descending order

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28  
papers

685  
citations

758635

12  
h-index

552369

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1140  
citing authors

#	ARTICLE	IF	CITATIONS
1	An open-access database and analysis tool for perovskite solar cells based on the FAIR data principles. <i>Nature Energy</i> , 2022, 7, 107-115.	19.8	136
2	CH <sub>3</sub> NH <sub>3</sub> Ca <sub>3</sub> Perovskite: Synthesis, Characterization, and First-Principles Studies. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16393-16398.	1.5	67
3	Self-Functionalization Behind a Solution-Processed NiO <sub>x</sub> Film Used As Hole Transporting Layer for Efficient Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 12348-12354.	4.0	65
4	Layered Mixed Tin-Lead Hybrid Perovskite Solar Cells with High Stability. <i>ACS Energy Letters</i> , 2018, 3, 2246-2251.	8.8	64
5	Optimization of the Ag/PCBM interface by a rhodamine interlayer to enhance the efficiency and stability of perovskite solar cells. <i>Nanoscale</i> , 2017, 9, 9440-9446.	2.8	57
6	Structural and Electrochemical Evaluation of Three- and Two-Dimensional Organohalide Perovskites and Their Influence on the Reversibility of Lithium Intercalation. <i>Inorganic Chemistry</i> , 2018, 57, 4181-4188.	1.9	51
7	Outdoor performance of perovskite solar technology: Silicon comparison and competitive advantages at different irradiances. <i>Solar Energy Materials and Solar Cells</i> , 2019, 191, 15-20.	3.0	32
8	Current status and trends of carbon-based electrodes for fully solution-processed perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2022, 68, 222-246.	7.1	29
9	Meso-Superstructured Perovskite Solar Cells: Revealing the Role of the Mesoporous Layer. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21239-21247.	1.5	27
10	Two-Dimensional Hybrid Halide Perovskite as Electrode Materials for All-Solid-State Lithium Secondary Batteries Based on Sulfide Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2019, 2, 6569-6576.	2.5	17
11	Mitigating scalability issues of perovskite photovoltaic technology through a p-i-n meso-superstructured solar cell architecture. <i>Solar Energy Materials and Solar Cells</i> , 2019, 195, 191-197.	3.0	16
12	A calorimetric approach to reach high performance perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 146, 44-50.	3.0	14
13	Numerical Analysis to Determine Reliable One-Diode Model Parameters for Perovskite Solar Cells. <i>Energies</i> , 2018, 11, 1963.	1.6	14
14	Improved mechanical and antibacterial properties of thermoplastic polyurethanes by efficient double functionalization of silver nanoparticles. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46180.	1.3	12
15	Photophysics behind highly luminescent two-dimensional hybrid perovskite (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> (CH <sub>3</sub> NH <sub>3</sub> ) <sub>2</sub> Pb <sub>3</sub> Br <sub>10</sub> thin films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6216-6221.	2.7	12
16	Understanding the Role of the Mesoporous Layer in the Thermal Crystallization of a Meso-Superstructured Perovskite Solar Cell. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8559-8567.	1.5	10
17	Gel time and polymerization kinetics of unsaturated polyester resin/clay montmorillonite nanocomposites. <i>Polymer Composites</i> , 2015, 36, 1931-1940.	2.3	9
18	Novel hybrid organic-inorganic CH <sub>3</sub> NH <sub>3</sub> NiCl <sub>3</sub> active material for high-capacity and sustainable lithium-ion batteries. <i>Electrochimica Acta</i> , 2020, 357, 136882.	2.6	9

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19	Understanding the precursor chemistry for one-step deposition of mixed cation perovskite solar cells by methylamine route. <i>Journal of Energy Chemistry</i> , 2021, 57, 386-391.	7.1	9
20	Low-cost semi-transparent copper sulfide electrode for indium-tin-oxide-free perovskite solar cells. <i>Thin Solid Films</i> , 2018, 662, 90-96.	0.8	8
21	Paraffin wax assisted chemical vapor deposited graphene transfer method. <i>Thin Solid Films</i> , 2021, 721, 138556.	0.8	7
22	New nickel-based hybrid organic/inorganic metal halide for photovoltaic applications. <i>Journal of Chemical Physics</i> , 2018, 148, 244703.	1.2	5
23	Effect of cooling induced crystallization upon the properties of segmented thermoplastic polyurethanes. <i>Journal of Polymer Engineering</i> , 2017, 37, 471-480.	0.6	4
24	The role of fiber-matrix compatibility in vacuum processed natural fiber/epoxy biocomposites. <i>Cellulose</i> , 2021, 28, 7845-7857.	2.4	4
25	From Clay Minerals to Al <sub>2</sub> O <sub>3</sub> Nanoparticles: Synthesis and Colloidal Stabilization for Optoelectronic Applications. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 118.	0.8	4
26	Study of the Crystallization of Metal Halide Perovskites Containing Additives via Differential Scanning Calorimetry. <i>Journal of Electronic Materials</i> , 2018, 47, 6319-6327.	1.0	2
27	Perovskite solar cells: New precursors and challenges for scaling-up. , 2021, , 477-508.		1
28	Design of two-dimensional perovskite solar cells with superior efficiency and stability. <i>Revista Facultad De IngenierÃa</i> , 0, , .	0.5	0