

Bryan A Rosales

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Persistent Dopants and Phase Segregation in Organolead Mixed-Halide Perovskites. <i>Chemistry of Materials</i> , 2016, 28, 6848-6859.	6.7	132
2	Lead Halide Perovskites: Challenges and Opportunities in Advanced Synthesis and Spectroscopy. <i>ACS Energy Letters</i> , 2017, 2, 906-914.	17.4	97
3	Strategies to Achieve High Circularly Polarized Luminescence from Colloidal Organic-Inorganic Hybrid Perovskite Nanocrystals. <i>ACS Nano</i> , 2020, 14, 8816-8825.	14.6	94
4	Mild and Selective Hydrogenation of Nitrate to Ammonia in the Absence of Noble Metals. <i>ACS Catalysis</i> , 2020, 10, 3618-3628.	11.2	83
5	Synthesis and mixing of complex halide perovskites by solvent-free solid-state methods. <i>Journal of Solid State Chemistry</i> , 2019, 271, 206-215.	2.9	50
6	Reversible multicolor chromism in layered formamidinium metal halide perovskites. <i>Nature Communications</i> , 2020, 11, 5234.	12.8	48
7	Unveiling the Photo- and Thermal Stability of Cesium Lead Halide Perovskite Nanocrystals. <i>ChemPhysChem</i> , 2019, 20, 2647-2656.	2.1	44
8	Temperature Coefficients of Perovskite Photovoltaics for Energy Yield Calculations. <i>ACS Energy Letters</i> , 2021, 6, 2038-2047.	17.4	43
9	Solution-Grown Sodium Bismuth Dichalcogenides: Toward Earth-Abundant, Biocompatible Semiconductors. <i>Journal of the American Chemical Society</i> , 2018, 140, 3736-3742.	13.7	41
10	Sensitivity-Enhanced ²⁰⁷ Pb Solid-State NMR Spectroscopy for the Rapid, Non-Destructive Characterization of Organolead Halide Perovskites. <i>Chemistry of Materials</i> , 2018, 30, 7005-7015.	6.7	41
11	Synthetic Development of Low Dimensional Materials. <i>Chemistry of Materials</i> , 2017, 29, 168-175.	6.7	28
12	Beyond Strain: Controlling the Surface Chemistry of CsPbI ₃ Nanocrystal Films for Improved Stability against Ambient Reactive Oxygen Species. <i>Chemistry of Materials</i> , 2020, 32, 7850-7860.	6.7	23
13	Reversible Methanolation of Metal Halide Perovskites. <i>Journal of the American Chemical Society</i> , 2022, 144, 667-672.	13.7	23
14	Lead-Free Semiconductors: Soft Chemistry, Dimensionality Control, and Manganese Doping of Germanium Halide Perovskites. <i>ChemNanoMat</i> , 2019, 5, 334-339.	2.8	22
15	Heterobimetallic Single-Source Precursors: A Springboard to the Synthesis of Binary Intermetallics. <i>ACS Omega</i> , 2019, 4, 5197-5203.	3.5	14
16	Using ATTO Dyes To Probe the Photocatalytic Activity of Au-CdS Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 676-683.	3.1	11
17	Surface Chemistry of Ternary Nanocrystals: Engineering the Deposition of Conductive NaBiS ₂ Films. <i>Chemistry of Materials</i> , 2020, 32, 6085-6096.	6.7	10