

RubÃ©n Ahumada-Lazo

List of Publications by Year in descending order

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14
papers

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1163117

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#	ARTICLE	IF	CITATIONS
1	Inelastic background modelling applied to hard X-ray photoelectron spectroscopy of deeply buried layers: A comparison of synchrotron and lab-based (9.25ÅkeV) measurements. <i>Applied Surface Science</i> , 2021, 541, 148635.	6.1	35
2	Exciton effects in perovskite nanocrystals. <i>JPhys Photonics</i> , 2021, 3, 021002.	4.6	6
3	Synthesis, X-ray Single-Crystal Structural Characterization, and Thermal Analysis of Bis(O-alkylxanthato)Cd(II) and Bis(O-alkylxanthato)Zn(II) Complexes Used as Precursors for Cadmium and Zinc Sulfide Thin Films. <i>Inorganic Chemistry</i> , 2021, 60, 7573-7583.	4.0	5
4	Surface band bending and carrier dynamics in colloidal quantum dot solids. <i>Nanoscale</i> , 2021, 13, 17793-17806.	5.6	2
5	Synthesis of High Entropy Lanthanide Oxysulfides via the Thermolysis of a Molecular Precursor Cocktail. <i>Journal of the American Chemical Society</i> , 2021, 143, 21560-21566.	13.7	16
6	Photoœ•and Electroluminescence from ZnœDoped InN Semiconductor Nanocrystals. <i>Advanced Optical Materials</i> , 2020, 8, 2000604.	7.3	4
7	Confinement Effects and Charge Dynamics in Zn₃N₂ Colloidal Quantum Dots: Implications for QD-LED Displays. <i>ACS Applied Nano Materials</i> , 2019, 2, 7214-7219.	5.0	20
8	Effect of Size on the Luminescent Efficiency of Perovskite Nanocrystals. <i>ACS Applied Energy Materials</i> , 2019, 2, 6998-7004.	5.1	7
9	X-ray induced Sm-ion valence conversion in Sm-ion implanted fluoroaluminate glasses towards high-dose radiation measurement. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16740-16746.	2.2	3
10	Photocatalytic hydrogen production by biomimetic indium sulfide using <i>Mimosa pudica</i> leaves as template. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2770-2783.	7.1	17
11	Emission Properties and Ultrafast Carrier Dynamics of CsPbCl₃ Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2651-2657.	3.1	21
12	Ultrafast Trap State-Mediated Electron Transfer for Quantum Dot Redox Sensing. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10173-10180.	3.1	22
13	Influence of Multistep Surface Passivation on the Performance of PbS Colloidal Quantum Dot Solar Cells. <i>Langmuir</i> , 2018, 34, 8887-8897.	3.5	16
14	Photocatalytic efficiency of reusable ZnO thin films deposited by sputtering technique. <i>Applied Surface Science</i> , 2014, 322, 35-40.	6.1	32