

# RubÃ©n Ahumada-Lazo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3125531/publications.pdf>

Version: 2024-02-01

14  
papers

206  
citations

1163117

8  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

504  
citing authors

| #  | 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. Applied Surface Science, 2021, 541, 148635.  | 6.1  | 35        |
| 2  | Photocatalytic efficiency of reusable ZnO thin films deposited by sputtering technique. Applied Surface Science, 2014, 322, 35-40.   | 6.1  | 32        |
| 3  | Ultrafast Trap State-Mediated Electron Transfer for Quantum Dot Redox Sensing. Journal of Physical Chemistry C, 2018, 122, 10173-10180.  | 3.1  | 22        |
| 4  | Emission Properties and Ultrafast Carrier Dynamics of CsPbCl <sub>3</sub> Perovskite Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 2651-2657.  | 3.1  | 21        |
| 5  | Confinement Effects and Charge Dynamics in Zn <sub>3</sub> N <sub>2</sub> Colloidal Quantum Dots: Implications for QD-LED Displays. ACS Applied Nano Materials, 2019, 2, 7214-7219.  | 5.0  | 20        |
| 6  | Photocatalytic hydrogen production by biomimetic indium sulfide using Mimosa pudica leaves as template. International Journal of Hydrogen Energy, 2019, 44, 2770-2783.   | 7.1  | 17        |
| 7  | Influence of Multistep Surface Passivation on the Performance of PbS Colloidal Quantum Dot Solar Cells. Langmuir, 2018, 34, 8887-8897.   | 3.5  | 16        |
| 8  | Synthesis of High Entropy Lanthanide Oxysulfides via the Thermolysis of a Molecular Precursor Cocktail. Journal of the American Chemical Society, 2021, 143, 21560-21566.  | 13.7 | 16        |
| 9  | Effect of Size on the Luminescent Efficiency of Perovskite Nanocrystals. ACS Applied Energy Materials, 2019, 2, 6998-7004.   | 5.1  | 7         |
| 10 | Exciton effects in perovskite nanocrystals. JPhys Photonics, 2021, 3, 021002.  | 4.6  | 6         |
| 11 | 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. Inorganic Chemistry, 2021, 60, 7573-7583. | 4.0  | 5         |
| 12 | Photo- and Electroluminescence from Zn-Doped InN Semiconductor Nanocrystals. Advanced Optical Materials, 2020, 8, 2000604.   | 7.3  | 4         |
| 13 | X-ray induced Sm-ion valence conversion in Sm-ion implanted fluoroaluminate glasses towards high-dose radiation measurement. Journal of Materials Science: Materials in Electronics, 2019, 30, 16740-16746.  | 2.2  | 3         |
| 14 | Surface band bending and carrier dynamics in colloidal quantum dot solids. Nanoscale, 2021, 13, 17793-17806.   | 5.6  | 2         |