

T O Dunlop

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5196809/publications.pdf>

Version: 2024-02-01

15
papers

239
citations

933447

10
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

294
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Solid-state synthesis of NASICON (Na ₃ Zr ₂ Si ₂ PO ₁₂) using nanoparticle precursors for optimisation of ionic conductivity. <i>Journal of Materials Science</i> , 2020, 55, 2291-2302. | 3.7 | 46 |
| 2 | Sustainable solvent selection for the manufacture of methylammonium lead triiodide (MAPbI ₃) perovskite solar cells. <i>Green Chemistry</i> , 2021, 23, 2471-2486. | 9.0 | 45 |
| 3 | Scribing Method for Carbon Perovskite Solar Modules. <i>Energies</i> , 2020, 13, 1589. | 3.1 | 23 |
| 4 | Variations of Infiltration and Electronic Contact in Mesoscopic Perovskite Solar Cells Revealed by High-Resolution Multi-Element Mapping Techniques. <i>Advanced Functional Materials</i> , 2019, 29, 1900885. | 14.9 | 22 |
| 5 | Stabilization of molten salt materials using metal chlorides for solar thermal storage. <i>Scientific Reports</i> , 2018, 8, 8190. | 3.3 | 17 |
| 6 | Wood ash amended biochar for the removal of lead, copper, zinc and cadmium from aqueous solution. <i>Environmental Technology and Innovation</i> , 2021, 24, 101961. | 6.1 | 16 |
| 7 | Green solvent engineering for enhanced performance and reproducibility in printed carbon-based mesoscopic perovskite solar cells and modules. <i>Materials Advances</i> , 2022, 3, 1125-1138. | 5.4 | 16 |
| 8 | Effect of photonic flash annealing with subsequent compression rolling on the topography, microstructure and electrical performance of carbon-based inks. <i>Journal of Materials Science</i> , 2019, 54, 8163-8176. | 3.7 | 15 |
| 9 | In-depth analysis of defects in TiO ₂ compact electron transport layers and impact on performance and hysteresis of planar perovskite devices at low light. <i>Solar Energy Materials and Solar Cells</i> , 2020, 209, 110448. | 6.2 | 15 |
| 10 | The ability of Mg ₂ Ge crystals to behave as "smart release" inhibitors of the aqueous corrosion of Zn-Al-Mg alloys. <i>Corrosion Science</i> , 2021, 179, 109091. | 6.6 | 11 |
| 11 | Studying the Influence of Mg Content on the Microstructure and Associated Localized Corrosion Behavior of Zn-Mg PVD Coatings Using SVET-TLI. <i>Journal of the Electrochemical Society</i> , 2019, 166, C3305-C3315. | 2.9 | 5 |
| 12 | Exploring the Infiltration Features of Perovskite within Mesoporous Carbon Stack Solar Cells Using Broad Beam Ion Milling. <i>Materials</i> , 2021, 14, 5852. | 2.9 | 5 |
| 13 | Improving the Processability of a One-Step Hydrophobic Coating for Hot-Dipped Galvanised Steel for Industrial Applications. <i>Coatings</i> , 2022, 12, 895. | 2.6 | 3 |
| 14 | Correlative Imaging of Mesoporous Perovskite Carbon Stack Solar Devices for Defect Evaluation.. <i>Microscopy and Microanalysis</i> , 2021, 27, 226-228. | 0.4 | 0 |
| 15 | Investigation of Perovskite Solar Cells Homogeneity and Defects by Complementary High-Resolution Mapping Techniques. , 0, , . | | 0 |