

# T O Dunlop

## List of Publications by Year in descending order

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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	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
2	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
3	The ability of Mg <sub>2</sub> 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
4	Correlative Imaging of Mesoporous Perovskite Carbon Stack Solar Devices for Defect Evaluation.. <i>Microscopy and Microanalysis</i> , 2021, 27, 226-228.	0.4	0
5	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
6	Sustainable solvent selection for the manufacture of methylammonium lead triiodide (MAPbI <sub>3</sub> ) perovskite solar cells. <i>Green Chemistry</i> , 2021, 23, 2471-2486.	9.0	45
7	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
8	Solid-state synthesis of NASICON (Na <sub>3</sub> Zr <sub>2</sub> Si <sub>2</sub> PO <sub>12</sub> ) using nanoparticle precursors for optimisation of ionic conductivity. <i>Journal of Materials Science</i> , 2020, 55, 2291-2302.	3.7	46
9	In-depth analysis of defects in TiO <sub>2</sub> 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	Scribing Method for Carbon Perovskite Solar Modules. <i>Energies</i> , 2020, 13, 1589.	3.1	23
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	Variations of Infiltration and Electronic Contact in Mesoscopic Perovskite Solar Cells Revealed by High-Resolution Multi-Mapping Techniques. <i>Advanced Functional Materials</i> , 2019, 29, 1900885.	14.9	22
13	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
14	Stabilization of molten salt materials using metal chlorides for solar thermal storage. <i>Scientific Reports</i> , 2018, 8, 8190.	3.3	17
15	Investigation of Perovskite Solar Cells Homogeneity and Defects by Complementary High-Resolution Mapping Techniques. , 0, , .		0