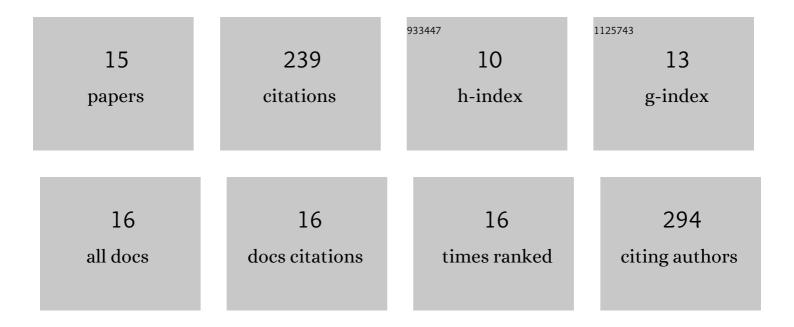
T O Dunlop

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Solid-state synthesis of NASICON (Na3Zr2Si2PO12) using nanoparticle precursors for optimisation of ionic conductivity. Journal of Materials Science, 2020, 55, 2291-2302.	3.7	46
2	Sustainable solvent selection for the manufacture of methylammonium lead triiodide (MAPbl ₃) perovskite solar cells. Green Chemistry, 2021, 23, 2471-2486.	9.0	45
3	Scribing Method for Carbon Perovskite Solar Modules. Energies, 2020, 13, 1589.	3.1	23
4	Variations of Infiltration and Electronic Contact in Mesoscopic Perovskite Solar Cells Revealed by Highâ€Resolution Multiâ€Mapping Techniques. Advanced Functional Materials, 2019, 29, 1900885.	14.9	22
5	Stabilization of molten salt materials using metal chlorides for solar thermal storage. Scientific Reports, 2018, 8, 8190.	3.3	17
6	Wood ash amended biochar for the removal of lead, copper, zinc and cadmium from aqueous solution. Environmental Technology and Innovation, 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. Materials Advances, 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. Journal of Materials Science, 2019, 54, 8163-8176.	3.7	15
9	In-depth analysis of defects in TiO2 compact electron transport layers and impact on performance and hysteresis of planar perovskite devices at low light. Solar Energy Materials and Solar Cells, 2020, 209, 110448.	6.2	15
10	The ability of Mg2Ge crystals to behave as â€~smart release' inhibitors of the aqueous corrosion of Zn-Al-Mg alloys. Corrosion Science, 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. Journal of the Electrochemical Society, 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. Materials, 2021, 14, 5852.	2.9	5
13	Improving the Processability of a One-Step Hydrophobic Coating for Hot-Dipped Galvanised Steel for Industrial Applications. Coatings, 2022, 12, 895.	2.6	3
14	Correlative Imaging of Mesoporous Perovskite Carbon Stack Solar Devices for Defect Evaluation Microscopy and Microanalysis, 2021, 27, 226-228.	0.4	0
15	Investigation of Perovskite Solar Cells Homogeneity and Defects by Complementary High-Resolution Mapping Techniques. , 0, , .		0