

Sian E Dutton

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Impact of Orientational Glass Formation and Local Strain on Photo-Induced Halide Segregation in Hybrid Metal-Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15025-15034.	3.1	8
2	Perspectives for next generation lithium-ion battery cathode materials. <i>APL Materials</i> , 2021, 9, .	5.1	44
3	Strengthening the Magnetic Interactions in Pseudobinary First-Row Transition Metal Thiocyanates, M(NCS)2. <i>Inorganic Chemistry</i> , 2020, 59, 11627-11639.	4.0	14
4	In situ observation of the magnetocaloric effect through neutron diffraction in the Tb(DCO₂)₃ and TbODCO₃ frameworks. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12123-12132.	5.5	4
5	Control of Crystal Symmetry Breaking with Halogen-Substituted Benzylammonium in Layered Hybrid Metal-Halide Perovskites. <i>Journal of the American Chemical Society</i> , 2020, 142, 5060-5067.	13.7	65
6	Short-range ordering in a battery electrode, the ‘‘cation-disordered’’ rocksalt Li_{1.25}Nb_{0.25}Mn_{0.5}O₂. <i>Chemical Communications</i> , 2019, 55, 9027-9030.	4.1	58
7	Low-dimensional quantum magnetism in $\text{Cu}_{x}(\text{Mn}_{1-x})_2\text{O}_5$: A molecular framework material. <i>Physical Review B</i> , 2018, 97, .		
8	An ab initio investigation on the electronic structure, defect energetics, and magnesium kinetics in Mg₃Bi₂. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16983-16991.	10.3	25
9	Defect-Assisted Photoinduced Halide Segregation in Mixed-Halide Perovskite Thin Films. <i>ACS Energy Letters</i> , 2017, 2, 1416-1424.	17.4	437
10	Mg_xMn_{2-x}O₅ Pyroborates (2/3 Å%) Tj ETQq0 0 0 rgBT /Overlaid 29, 3118-3125.	6.7	13
11	Insights into the electrochemical performances of Bi anodes for Mg ion batteries using ^{25}Mg solid state NMR spectroscopy. <i>Chemical Communications</i> , 2017, 53, 743-746.	4.1	51
12	Enhanced Magnetocaloric Effect from Cr Substitution in Ising Lanthanide Gallium Garnets $\text{Ln}_{3}\text{CrGa}_{4}\text{O}_{12}$ (Ln = Tb, Dy, Ho). <i>Advanced Functional Materials</i> , 2017, 27, 1701950.	14.9	48
13	Relieving the frustration through Mn³⁺ substitution in holmium gallium garnet. <i>Physical Review B</i> , 2017, 96, .	3.2	4
14	A systematic study of ^{25}Mg NMR in paramagnetic transition metal oxides: applications to Mg-ion battery materials. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 613-625.	2.8	50
15	High Open-Circuit Voltages in Tin-Rich Low-Bandgap Perovskite-Based Planar Heterojunction Photovoltaics. <i>Advanced Materials</i> , 2017, 29, 1604744.	21.0	212
16	Electronic and magnetic properties of superconducting $\text{Ln}_{1-x}\text{Fe}_{x}\text{BiS}_{2}$ (Ln = La, Ce, Pr, Nd, Eu, Gd, Tb, Dy, Ho, Er, Tm, Y, Lu) Tj ETC		
17	Tunable Near-Infrared Luminescence in Tin Halide Perovskite Devices. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2653-2658.	4.6	122
18	Synthesis and extensive characterisation of phosphorus doped graphite. <i>RSC Advances</i> , 2016, 6, 62140-62145	3.6	4

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19	Synthesis and Optical Properties of Lead-Free Cesium Tin Halide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2016, 138, 2941-2944.	13.7	792
20	Local Versus Long-Range Diffusion Effects of Photoexcited States on Radiative Recombination in Organica-Inorganic Lead Halide Perovskites. <i>Advanced Science</i> , 2015, 2, 1500136.	11.2	50
21	Blue-Green Color Tunable Solution Processable Organolead Chloride-Bromide Mixed Halide Perovskites for Optoelectronic Applications. <i>Nano Letters</i> , 2015, 15, 6095-6101.	9.1	461
22	Theory and Practice: Bulk Synthesis of C_{3B} and its H_{2} -and Li-Storage Capacity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5919-5923.	13.8	33
23	Effects of stoichiometric doping in superconducting Bi-O-S compounds. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 135501.	1.8	13
24	Preparation of Single-Phase Films of $CH_3NH_3Pb(I_xBr_{3-x})_3$ with Sharp Optical Band Edges. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2501-2505.	4.6	385
25	$Li_{11}Nd_{18}Fe_{4}O_{39}$ Revisited. <i>Inorganic Chemistry</i> , 2013, 52, 950-952.	4.0	0
26	Structural and magnetic properties of $Nd_{18}Li_8Co_4xFe_xO_{39}$ and $Nd_{18}Li_8Co_4xTi_xO_{39}$. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2580-2587.	2.9	5
27	Synthesis and structural chemistry of $La_{18}Li_8Rh_4MO_{39}$ ($M=Ti, Mn, Ru$). <i>Journal of Solid State Chemistry</i> , 2010, 183, 1620-1624.	2.9	8
28	Structural Chemistry and Magnetic Properties of $Ln_{18}Li_8Rh_5$. ($Ln = Tl, ETa, Ho, Er, Tm, Y$). <i>Inorganic Chemistry</i> , 2009, 48, 1000-1006.	2.9	10
29	Structural and magnetic properties of $Pr_{18}Li_8Fe_5xM_xO_{39}$ ($M=Ru, Mn, Co$). <i>Journal of Solid State Chemistry</i> , 2009, 182, 1638-1648.	2.9	7
30	Structural Chemistry and Magnetic Properties of $Nd_{18}Li_8Fe_5xM_xO_{39}$ ($M=Ru, Mn, Co$). <i>Journal of Solid State Chemistry</i> , 2009, 182, 1638-1648.	2.9	7
31	Use of in situ neutron diffraction to monitor high-temperature, solid/H ₂ -gas reactions. <i>Chemical Communications</i> , 2009, , 2556.	4.1	11
32	Structural chemistry and magnetic properties of $Pr_3Sr_1CrNiO_8$. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2217-2226.	2.9	7
33	Structural Chemistry and Magnetic Properties of $Nd_{18}Li_8Fe_5O_{39}$ and $Nd_{18}Li_8Co_4O_{39}$: the Interplay of Cation and Spin Ordering. <i>Inorganic Chemistry</i> , 2008, 47, 11212-11222.	4.0	14