Sian E Dutton

List of Publications by Year
in descending order

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33 papers	2,995 citations	516710 16 h-index	414414 32 g-index
37 all docs	37 docs citations	37 times ranked	5365 citing authors

#	Article	IF	Citations
1	Synthesis and Optical Properties of Lead-Free Cesium Tin Halide Perovskite Nanocrystals. Journal of the American Chemical Society, 2016, 138, 2941-2944.	13.7	792
2	Blue-Green Color Tunable Solution Processable Organolead Chlorideâ€“Bromide Mixed Halide Perovskites for Optoelectronic Applications. Nano Letters, 2015, 15, 6095-6101.	9.1	461
3	Defect-Assisted Photoinduced Halide Segregation in Mixed-Halide Perovskite Thin Films. ACS Energy Letters, 2017, 2, 1416-1424.	17.4	437
4	Preparation of Single-Phase Films of CH₃NH₃Pb(I_{1â€“x}Br_x)₃ with Sharp Optical Band Edges. Journal of Physical Chemistry Letters, 2014, 5, 2501-2505.	4.6	385
5	High Openâ€Circuit Voltages in Tinâ€Rich Lowâ€Bandgap Perovskiteâ€Based Planar Heterojunction Photovoltaics. Advanced Materials, 2017, 29, 1604744.	21.0	212
6	Tunable Near-Infrared Luminescence in Tin Halide Perovskite Devices. Journal of Physical Chemistry Letters, 2016, 7, 2653-2658.	4.6	122
7	Control of Crystal Symmetry Breaking with Halogen-Substituted Benzylammonium in Layered Hybrid Metal-Halide Perovskites. Journal of the American Chemical Society, 2020, 142, 5060-5067.	13.7	65
8	Short-range ordering in a battery electrode, the â€˜cation-disorderedâ€™ rocksalt Li_{1.25}Nb_{0.25}Mn_{0.5}O₂. Chemical Communications, 2019, 55, 9027-9030.	4.1	58
9	Insights into the electrochemical performances of Bi anodes for Mg ion batteries using ²⁵Mg solid state NMR spectroscopy. Chemical Communications, 2017, 53, 743-746.	4.1	51
10	Local Versus Longâ€Range Diffusion Effects of Photoexcited States on Radiative Recombination in Organicâ€“Inorganic Lead Halide Perovskites. Advanced Science, 2015, 2, 1500136.	11.2	50
11	A systematic study of ²⁵Mg NMR in paramagnetic transition metal oxides: applications to Mg-ion battery materials. Physical Chemistry Chemical Physics, 2017, 19, 613-625.	2.8	50
12	Enhanced Magnetocaloric Effect from Cr Substitution in Ising Lanthanide Gallium Garnets Ln₃CrGa₄O₁₂ (Ln = Tb, Dy, Ho). Advanced Functional Materials, 2017, 27, 1701950.	14.9	48
13	Perspectives for next generation lithium-ion battery cathode materials. APL Materials, 2021, 9, .	5.1	44
14	Theory and Practice: Bulk Synthesis of C₃B and its H₂â€•and Liâ€Storage Capacity. Angewandte Chemie - International Edition, 2015, 54, 5919-5923.	13.8	33
15	Anab initioinvestigation on the electronic structure, defect energetics, and magnesium kinetics in Mg₃Bi₂. Journal of Materials Chemistry A, 2018, 6, 16983-16991.	10.3	25
16	Low-dimensional quantum magnetism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Cu</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo></mml:mrow><mml:m : A molecular framework material. Physical Review B, 2018, 97, .	3.7	19
17	Electronic and magnetic properties of superconductingLnO_{1â€“x}F_xBiS₂(Lnâ€‰â€‰â€‰â€‰â€‰a,) Tj E	1a	15
18	Structural Chemistry and Magnetic Properties of Nd18Li8Fe5O39and Nd18Li8Co4O39: the Interplay of Cation and Spin Ordering. Inorganic Chemistry, 2008, 47, 11212-11222.	4.0	14

#	Article	IF	Citations
19	Strengthening the Magnetic Interactions in Pseudobinary First-Row Transition Metal Thiocyanates, M(NCS)2. Inorganic Chemistry, 2020, 59, 11627-11639.	4.0	14
20	Effects of stoichiometric doping in superconducting Bi-O-S compounds. Journal of Physics Condensed Matter, 2015, 27, 135501.	1.8	13
21	Mg_xMn_{2â€“x}B₂O₅ Pyroborates (2/3 â‰¤ Tj ETQq1 1 0.784314 rgBT 29, 3118-3125.	6.7	13
22	Use of in situ neutron diffraction to monitor high-temperature, solid/H2-gas reactions. Chemical Communications, 2009, , 2556.	4.1	11
23	Structural Chemistry and Magnetic Properties of Nd₁₈Li₈Fe_{5â^’x}M_xO₃₉(M =) Tj ETQq1 1 0.784314 rgBT	2.9	11
24	Synthesis and structural chemistry of La18Li8Rh4MO39 (M=Ti, Mn, Ru). Journal of Solid State Chemistry, 2010, 183, 1620-1624.	2.9	8
25	Impact of Orientational Glass Formation and Local Strain on Photo-Induced Halide Segregation in Hybrid Metal-Halide Perovskites. Journal of Physical Chemistry C, 2021, 125, 15025-15034.	3.1	8
26	Structural chemistry and magnetic properties of Pr3â^’Sr1+CrNiO8. Journal of Solid State Chemistry, 2008, 181, 2217-2226.	2.9	7
27	Structural and magnetic properties of Pr18Li8Fe5â^’xMxO39 (M=Ru, Mn, Co). Journal of Solid State Chemistry, 2009, 182, 1638-1648.	2.9	7
28	Structural Chemistry and Magnetic Properties of Ln₁₈Li₈Rh_{5â^’x}Fe_xO₃₉ (Ln =) Tj ETQq0 0 0 rgBT /Overlo	2.9	7
29	Structural and magnetic properties of Nd18Li8Co4â^’xFexO39â^’y and Nd18Li8Co4â^’xTixO39â^’y. Journal of Solid State Chemistry, 2011, 184, 2580-2587.	2.9	5
30	Synthesis and extensive characterisation of phosphorus doped graphite. RSC Advances, 2016, 6, 62140-62145.	3.6	4
31	Relieving the frustration through Mn3+ substitution in holmium gallium garnet. Physical Review B, 2017, 96, .	3.2	4
32	In situ observation of the magnetocaloric effect through neutron diffraction in the Tb(DCO₂)₃ and TbODCO₃ frameworks. Journal of Materials Chemistry C, 2020, 8, 12123-12132.	5.5	4
33	Li₁₁Nd₁₈Fe₄O_{39â^Î´} Revisited. Inorganic Chemistry, 2013, 52, 950-952.	4.0	0