

# Julia L Payne

## List of Publications by Year in descending order

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12  
papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Synthesis, Structure, and Tunability of Zero-Dimensional Organic-Inorganic Metal Halides Utilizing the <i>m</i> -Xylylenediammonium Cation: $\text{MXD}_2\text{Pb}_6$ , $\text{MXDBi}_5$ , and $\text{MXD}_3\text{Bi}_2\text{Br}_{12} \cdot 2\text{H}_2\text{O}$ . <i>Crystal Growth and Design</i> , 2022, 22, 3815-3823.	3.0	4
2	Time-resolved in-situ x-ray diffraction study of $\text{CaO}$ and $\text{CaO:Ca}_3\text{Al}_2\text{O}_6$ composite catalysts for biodiesel production. <i>JPhys Energy</i> , 2021, 3, 034014.	5.3	1
3	Use of Interplay between A-Site Non-Stoichiometry and Hydroxide Doping to Deliver Novel Proton-Conducting Perovskite Oxides. <i>Advanced Energy Materials</i> , 2021, 11, 2101337.	19.5	11
4	Effect of halide-mixing on tolerance factor and charge-carrier dynamics in $(\text{CH}_3\text{NH}_3\text{PbBr}_{3-x}\text{Cl}_x)$ perovskites powders. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19415-19428.	2.2	4
5	Lithiation of $\text{V}_2\text{O}_3(\text{SO}_4)_2$ – a flexible insertion host. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19502-19512.	10.3	3
6	Bandgap bowing in a zero-dimensional hybrid halide perovskite derivative: spin-orbit coupling <i>versus</i> lattice strain. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4416-4427.	10.3	20
7	In Situ Thermal Battery Discharge Using $\text{CoS}_2$ as a Cathode Material. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2660-A2664.	2.9	20
8	In-situ Studies of High Temperature Thermal Batteries: A Perspective. <i>Frontiers in Energy Research</i> , 2018, 6, .	2.3	8
9	Probing the structure-property-composition relationship in organic-inorganic tri-halide perovskites. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20489-20496.	2.8	2
10	Role of lattice distortion and A site cation in the phase transitions of methylammonium lead halide perovskites. <i>Physical Review Materials</i> , 2018, 2, .	2.4	20
11	<i>In-Situ</i> Thermal Battery Discharge using $\text{NiS}_2$ as a Cathode Material. <i>ChemElectroChem</i> , 2017, 4, 1916-1923.	3.4	22
12	Charge carrier localised in zero-dimensional $(\text{CH}_3\text{NH}_3)_3\text{Bi}_2\text{I}_9$ clusters. <i>Nature Communications</i> , 2017, 8, 170.	12.8	62