

Abhoy Karmakar

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

618
citations

933447

10
h-index

1281871

11
g-index

16
all docs

16
docs citations

16
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu(II)-Doped Cs ₂ SbAgCl ₆ Double Perovskite: A Lead-Free, Low-Bandgap Material. <i>Chemistry of Materials</i> , 2018, 30, 8280-8290.	6.7	156
2	Mechanochemical Synthesis of Methylammonium Lead Mixed-Halide Perovskites: Unraveling the Solid-Solution Behavior Using Solid-State NMR. <i>Chemistry of Materials</i> , 2018, 30, 2309-2321.	6.7	85
3	Mechanochemical synthesis of 0D and 3D cesium lead mixed halide perovskites. <i>Chemical Communications</i> , 2019, 55, 5079-5082.	4.1	78
4	Composition-Tunable Formamidinium Lead Mixed Halide Perovskites via Solvent-Free Mechanochemical Synthesis: Decoding the Pb Environments Using Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2671-2677.	4.6	74
5	Tailorable Indirect to Direct Band-Gap Double Perovskites with Bright White-Light Emission: Decoding Chemical Structure Using Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2020, 142, 10780-10793.	13.7	58
6	Methane Upgrading of Acetic Acid as a Model Compound for a Biomass-Derived Liquid over a Modified Zeolite Catalyst. <i>ACS Catalysis</i> , 2017, 7, 3681-3692.	11.2	40
7	Influence of hidden halogen mobility on local structure of CsSn(Cl _{1-x} Br _x) ₃ mixed-halide perovskites by solid-state NMR. <i>Chemical Science</i> , 2021, 12, 3253-3263.	7.4	31
8	Phase Evolution in Methylammonium Tin Halide Perovskites with Variable Temperature Solid-State ¹¹⁹ Sn NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15015-15027.	3.1	24
9	Revealing the Local Sn and Pb Arrangements in CsSn _x Pb _{1-x} Br ₃ Perovskites with Solid-State NMR Spectroscopy. , 2021, 3, 261-267.		24
10	Uncovering Halogen Mixing and Octahedral Dynamics in Cs ₂ SnX ₆ by Multinuclear Magnetic Resonance Spectroscopy. <i>Chemistry of Materials</i> , 2021, 33, 6078-6090.	6.7	15
11	Solvation and hydrogen bonding aided efficient non-radiative deactivation of polar excited state of 5-aminoquinoline. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22320-22330.	2.8	11
12	Metal Halide Perovskite and Perovskite-like Materials through the Lens of Ultra-wideline ^{35/37} Cl NMR Spectroscopy. , 2022, 4, 1255-1263.		10
13	Separation of cellulose/hemicellulose from lignin in white pine sawdust using boron trihalide reagents. <i>Tetrahedron</i> , 2019, 75, 1465-1470.	1.9	9
14	Solid-state NMR Studies of Halide Perovskite Materials with Photoconversion Potential. , 2021, , .		3
15	Characterization of Multidimensional Lead Halide Perovskites Using Solid-State ^{35/37} Cl NMR Spectroscopy. , 0, , .		0
16	Understanding Local Structure of White-Light Emitting Double Perovskites Using Solid-State NMR Spectroscopy. , 0, , .		0