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List of Publications by Year in descending order

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times ranked

1271
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	85
2	Multinuclear Magnetic Resonance Tracking of Hydro, Thermal, and Hydrothermal Decomposition of $\text{CH}_3\text{NH}_3\text{PbI}_3$. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1013-1024.	1.5	77
3	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.	2.1	74
4	Double peak emission in lead halide perovskites by self-absorption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2289-2300.	2.7	72
5	Halide perovskite solar cells using monocrystalline TiO_2 nanorod arrays as electron transport layers: impact of nanorod morphology. <i>Nanotechnology</i> , 2017, 28, 274001.	1.3	67
6	Time-Resolved Microwave Photoconductivity (TRMC) Using Planar Microwave Resonators: Application to the Study of Long-Lived Charge Pairs in Photoexcited Titania Nanotube Arrays. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14358-14365.	1.5	57
7	Core-shell titanium dioxide-titanium nitride nanotube arrays with near-infrared plasmon resonances. <i>Nanotechnology</i> , 2018, 29, 154006.	1.3	40
8	Electron Transport, Trapping and Recombination in Anodic TiO_2 Nanotube Arrays. <i>Current Nanoscience</i> , 2015, 11, 593-614.	0.7	38
9	Top-Down Approaches Towards Single Crystal Perovskite Solar Cells. <i>Scientific Reports</i> , 2018, 8, 4906.	1.6	34
10	Exciton Binding Energy in Organic-Inorganic Tri-Halide Perovskites. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5890-5901.	0.9	24
11	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.	1.5	24
12	100-fold improvement in carrier drift mobilities in alkanephosphonate-passivated monocrystalline TiO_2 nanowire arrays. <i>Nanotechnology</i> , 2017, 28, 144001.	1.3	23
13	Investigating the Tetragonal-Orthorhombic Phase Transition of Methylammonium Lead Iodide Single Crystals by Detailed Photoluminescence Analysis. <i>Advanced Optical Materials</i> , 2020, 8, 2000455.	3.6	23
14	Preferentially oriented TiO_2 nanotube arrays on non-native substrates and their improved performance as electron transporting layer in halide perovskite solar cells. <i>Nanotechnology</i> , 2019, 30, 204003.	1.3	17
15	Hexagonal Double Perovskite $\text{Cs}_2\text{AgCrCl}_6$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 323-328.	0.6	16
16	Efficient amplification of signals with high PAPR using a novel multilevel LINC transmitter architecture. , 2012, , .		12
17	Charge transport, doping and luminescence in solution-processed, phosphorescent, air-stable tellurophene thin films. <i>Organic Electronics</i> , 2016, 39, 153-162.	1.4	10
18	Bismuth Stabilizes the $\hat{I}\pm$ -Phase of Formamidinium Lead Iodide Perovskite Single Crystals. , 2022, 4, 707-712.		10

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19	Polarization-reduced quaternary InAlGa _N /Ga _N HFET and MISHFET devices. Semiconductor Science and Technology, 2012, 27, 055012.	1.0	9
20	Anodic copper oxide nanowire and nanopore arrays with mixed phase content: synthesis, characterization and optical limiting response. Journal of Physics Communications, 2017, 1, 045012.	0.5	8
21	Thickness-modulated lateral MoS ₂ diodes with sub-terahertz cutoff frequency. Nanoscale, 2021, 13, 8940-8947.	2.8	8
22	Contact-Lifted Thickness-Modulated MoS ₂ Diodes for Gate-Controlled Electronic Applications. ACS Applied Electronic Materials, 2019, 1, 2150-2156.	2.0	7
23	Inhibition of Amine-Water Proton Exchange Stabilizes Perovskite Ink for Scalable Solar Cell Fabrication. Chemistry of Materials, 2022, 34, 4394-4402.	3.2	5
24	Graphene-based MMIC process development and RF passives design. , 2015, , .		1
25	Optical Limiting in Cu/CuO Nanostructures Formed by Magnetic Field-Assisted Anodization. Journal of Nanoscience and Nanotechnology, 2017, 17, 5019-5023.	0.9	1