

Mykhailo

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,680
citations

471509

17
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

3453
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Stable Lasing from Solution-Grown Epitaxially Grown Formamidinium-Lead-Bromide Micro-Resonators. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	3
2	Flexible Photocatalytic Electrode Using Graphene, Non-noble Metal, and Organic Semiconductors for Hydrogen Evolution Reaction. <i>Energy Technology</i> , 2021, 9, 2100123.	3.8	8
3	Self-Healing Cs ₃ Bi ₂ Br ₃ Perovskite Wafers for X-Ray Detection. <i>Advanced Functional Materials</i> , 2021, 31, 2102713.	14.9	29
4	Perspectives of solution epitaxially grown defect tolerant lead-halide-perovskites and lead-chalcogenides. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	2
5	Exfoliated CrPS ₄ with Promising Photoconductivity. <i>Small</i> , 2020, 16, 1905924.	10.0	26
6	Epitaxial Metal Halide Perovskites by Inkjet-Printing on Various Substrates. <i>Advanced Functional Materials</i> , 2020, 30, 2004612.	14.9	21
7	Micron Thick Colloidal Quantum Dot Solids. <i>Nano Letters</i> , 2020, 20, 5284-5291.	9.1	47
8	Sensitive Direct Converting X-Ray Detectors Utilizing Crystalline CsPbBr ₃ Perovskite Films Fabricated via Scalable Melt Processing. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901575.	3.7	83
9	Effect of Ligand Treatment on the Tuning of Infrared Plasmonic Indium Tin Oxide Nanocrystal Electrochromic Devices. <i>Advanced Engineering Materials</i> , 2020, 22, 2000112.	3.5	15
10	Looking beyond the Surface: The Band Gap of Bulk Methylammonium Lead Iodide. <i>Nano Letters</i> , 2020, 20, 3090-3097.	9.1	16
11	A perspective on the bright future of metal halide perovskites for X-ray detection. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	45
12	Fully Printed Infrared Photodetectors from PbS Nanocrystals with Perovskite Ligands. <i>ACS Nano</i> , 2019, 13, 2389-2397.	14.6	30
13	Pushing PbS/Metal-Halide-Perovskite Core/Epitaxial-Ligand-Shell Nanocrystal Photodetectors beyond 3 Åm Wavelength. <i>Advanced Functional Materials</i> , 2019, 29, 1807964.	14.9	35
14	Photophysical and electronic properties of bismuth-perovskite shelled lead sulfide quantum dots. <i>Journal of Chemical Physics</i> , 2019, 151, 214702.	3.0	1
15	General Observation of Photocatalytic Oxygen Reduction to Hydrogen Peroxide by Organic Semiconductor Thin Films and Colloidal Crystals. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13253-13257.	8.0	37
16	Revealing Trap States in Lead Sulphide Colloidal Quantum Dots by Photoinduced Absorption Spectroscopy. <i>Advanced Electronic Materials</i> , 2018, 4, 1700348.	5.1	25
17	Broadening of Distribution of Trap States in PbS Quantum Dot Field-Effect Transistors with High-κ Dielectrics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4719-4724.	8.0	20
18	Quasi-epitaxial Metal-Halide Perovskite Ligand Shells on PbS Nanocrystals. <i>ACS Nano</i> , 2017, 11, 1246-1256.	14.6	74

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19	Enabling Ambipolar to Heavy n-Type Transport in PbS Quantum Dot Solids through Doping with Organic Molecules. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18039-18045.	8.0	34
20	Strain-Modulated Charge Transport in Flexible PbS Nanocrystal Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2017, 3, 1600360.	5.1	20
21	Cellular interfaces with hydrogen-bonded organic semiconductor hierarchical nanocrystals. <i>Nature Communications</i> , 2017, 8, 91.	12.8	51
22	Morphology-Controlled Organic Solar Cells Improved by a Nanohybrid System of Single Wall Carbon Nanotubes Sensitized by PbS Core/Perovskite Epitaxial Ligand Shell Quantum Dots. <i>Solar Rrl</i> , 2017, 1, 1700043.	5.8	7
23	Hydrogen-Bonded Organic Semiconductors as Stable Photoelectrocatalysts for Efficient Hydrogen Peroxide Photosynthesis. <i>Advanced Functional Materials</i> , 2016, 26, 5248-5254.	14.9	115
24	Tunable doping in PbS nanocrystal field-effect transistors using surface molecular dipoles. <i>APL Materials</i> , 2016, 4, 116105.	5.1	10
25	Photocatalysis: Hydrogen-Bonded Organic Semiconductors as Stable Photoelectrocatalysts for Efficient Hydrogen Peroxide Photosynthesis (<i>Adv. Funct. Mater.</i> 29/2016). <i>Advanced Functional Materials</i> , 2016, 26, 5247-5247.	14.9	1
26	Galvanic Exchange in Colloidal Metal/Metal-Oxide Core/Shell Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19848-19855.	3.1	9
27	Detection of X-ray photons by solution-processed lead halide perovskites. <i>Nature Photonics</i> , 2015, 9, 444-449.	31.4	916