

Alex Zakhidov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9575521/publications.pdf>

Version: 2024-02-01

19
papers

725
citations

758635

12
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

1566
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambient Processing Conditions and Their Effects on Perovskite Device Performance. <i>Crystal Research and Technology</i> , 2022, 57, .	0.6	2
2	Predicting hybrid perovskite performance based on secondary cation choice. <i>Solar Energy</i> , 2022, 241, 686-692.	2.9	3
3	Temperature- and Bias-Dependent Degradation and Regeneration of Perovskite Solar Cells with Organic and Inorganic Hole Transport Layers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000721.	0.8	3
4	Improvements of Organic Light-Emitting Diodes Using Graphene as an Emerging and Efficient Transparent Conducting Electrode Material. <i>Advanced Optical Materials</i> , 2021, 9, 2002102.	3.6	17
5	Determining the refractive index and the dielectric constant of PPDT2FBT thin film using spectroscopic ellipsometry. <i>Optical Materials</i> , 2020, 110, 110445.	1.7	10
6	A density functional theory study on the interface stability between CsPbBr ₃ and CuI. <i>AIP Advances</i> , 2020, 10, .	0.6	4
7	Polarons in Halide Perovskites: A Perspective. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3271-3286.	2.1	110
8	Accurate and Fast Thickness Measurement Technique of MAPbI ₃ Thin Film. , 2019, , .		0
9	Thickness measurement of multilayer film stack in perovskite solar cell using spectroscopic ellipsometry. <i>AIP Advances</i> , 2019, 9, .	0.6	15
10	Ultrafast zero-bias photocurrent and terahertz emission in hybrid perovskites. <i>Communications Physics</i> , 2018, 1, .	2.0	32
11	Controlled Growth of MoS ₂ Flakes from in-Plane to Edge-Enriched 3D Network and Their Surface-Energy Studies. <i>ACS Applied Nano Materials</i> , 2018, 1, 2356-2367.	2.4	44
12	Photoactivated Mixed In-Plane and Edge-Enriched p-Type MoS ₂ Flake-Based NO ₂ Sensor Working at Room Temperature. <i>ACS Sensors</i> , 2018, 3, 998-1004.	4.0	149
13	Fast detection and low power hydrogen sensor using edge-oriented vertically aligned 3-D network of MoS ₂ flakes at room temperature. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	53
14	Tailoring nucleation and grain growth by changing the precursor phase ratio for efficient organic lead halide perovskite optoelectronic devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10114-10121.	2.7	18
15	Solvent Toolkit for Electrochemical Characterization of Hybrid Perovskite Films. <i>Analytical Chemistry</i> , 2017, 89, 9649-9653.	3.2	14
16	High-resolution patterning of organohalide lead perovskite pixels for photodetectors using orthogonal photolithography. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600302.	0.8	40
17	Density functional theory + U modeling of polarons in organohalide lead perovskites. <i>AIP Advances</i> , 2016, 6, .	0.6	25
18	Nanoimprinted Perovskite Nanograting Photodetector with Improved Efficiency. <i>ACS Nano</i> , 2016, 10, 10921-10928.	7.3	168

#	ARTICLE	IF	CITATIONS
19	Integration of BiFeO ₃ /La _{0.7} Sr _{0.3} MnO ₃ heterostructures with III-V semiconductors for low-power non-volatile memory and multiferroic field effect transistors. Journal of Materials Chemistry C, 2016, 4, 10386-10394.	2.7	18