

Xuewen Yin

List of Publications by Citations

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48
papers

1,601
citations

20
h-index

39
g-index

48
ext. papers

1,833
ext. citations

6.1
avg. IF

4.8
L-index

#	Paper	IF	Citations
48	Site Occupancy Preference, Enhancement Mechanism, and Thermal Resistance of Mn ⁴⁺ Red Luminescence in Sr ₄ Al ₁₄ O ₂₅ : Mn ⁴⁺ for Warm WLEDs. <i>Chemistry of Materials</i> , 2015 , 27, 2938-2945	9.6	277
47	Orderly-Layered Tetravalent Manganese-Doped Strontium Aluminate Sr ₄ Al ₁₄ O ₂₅ :Mn ⁴⁺ : An Efficient Red Phosphor for Warm White Light Emitting Diodes. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2870-2876	3.8	143
46	High Efficiency Inverted Planar Perovskite Solar Cells with Solution-Processed NiO Hole Contact. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2439-2448	9.5	126
45	Cross-stacked superaligned carbon nanotube electrodes for efficient hole conductor-free perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5569-5577	13	82
44	Hematite electron-transporting layers for environmentally stable planar perovskite solar cells with enhanced energy conversion and lower hysteresis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1434-1441	13	77
43	Hybrid PbS Quantum-Dot-in-Perovskite for High-Efficiency Perovskite Solar Cell. <i>Small</i> , 2018 , 14, e1801016	11.6	77
42	An improved bounce-back scheme for complex boundary conditions in lattice Boltzmann method. <i>Journal of Computational Physics</i> , 2012 , 231, 4295-4303	4.1	71
41	Temperature dependent red luminescence from a distorted Mn ⁴⁺ site in CaAl ₄ O ₇ :Mn ⁴⁺ . <i>Optics Express</i> , 2013 , 21, 18943-8	3.3	69
40	Enhancing the Performance of Perovskite Solar Cells by Hybridizing SnS Quantum Dots with CH ₃ NH ₃ PbI ₃ . <i>Small</i> , 2017 , 13, 1700953	11	64
39	Multiple red blood cell flows through microvascular bifurcations: cell free layer, cell trajectory, and hematocrit separation. <i>Microvascular Research</i> , 2013 , 89, 47-56	3.7	58
38	Efficiently Improving the Stability of Inverted Perovskite Solar Cells by Employing Polyethylenimine-Modified Carbon Nanotubes as Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31384-31393	9.5	54
37	Enhancing electron transport via graphene quantum dot/SnO ₂ composites for efficient and durable flexible perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1878-1888	13	48
36	In situ formation of a 2D/3D heterostructure for efficient and stable CsPbI ₂ Br solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 22675-22682	13	37
35	CH ₃ NH ₃ PbI ₃ grain growth and interfacial properties in meso-structured perovskite solar cells fabricated by two-step deposition. <i>Science and Technology of Advanced Materials</i> , 2017 , 18, 253-262	7.1	36
34	Critical roles of potassium in charge-carrier balance and diffusion induced defect passivation for efficient inverted perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5666-5676	13	35
33	Synergistic effect of charge separation and defect passivation using zinc porphyrin dye incorporation for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26334-26341	13	29
32	Perovskite/Poly[bis(4-phenyl)(2,4,6-trimethylphenyl)amine] Bulk Heterojunction for High-Efficient Carbon-Based Large-Area Solar Cells by Gradient Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42328-42334	9.5	22

31	Improved Moisture Stability of Perovskite Solar Cells Using N719 Dye Molecules. <i>Solar Rrl</i> , 2019 , 3, 1900345	9.5	21
30	Bifacial Modified Charge Transport Materials for Highly Efficient and Stable Inverted Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17861-17870	9.5	21
29	Rational Design of Solution-Processed Ti-Fe-O Ternary Oxides for Efficient Planar CHNHPbI Perovskite Solar Cells with Suppressed Hysteresis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34833-34843	9.5	20
28	An Excellent Modifier: Carbon Quantum Dots for Highly Efficient Carbon-Electrode-Based Methylammonium Lead Iodide Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900146	7.1	18
27	Role of alkyl chain length in diaminoalkane linked 2D Ruddlesden-Popper halide perovskites. <i>CrystEngComm</i> , 2018 , 20, 6704-6712	3.3	17
26	Highly efficient inverted perovskite solar cells based on self-assembled graphene derivatives. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20702-20711	13	17
25	Perovskite solar cell-thermoelectric tandem system with a high efficiency of over 23%. <i>Materials Today Energy</i> , 2019 , 12, 363-370	7	16
24	Economically synthesized NiCo2S4/reduced graphene oxide composite as efficient counter electrode in dye-sensitized solar cell. <i>Applied Surface Science</i> , 2018 , 437, 227-232	6.7	16
23	Active vibration isolation and underwater sound radiation control. <i>Journal of Sound and Vibration</i> , 2008 , 318, 725-736	3.9	15
22	Dynamic stiffness formulation for in-plane and bending vibrations of plates with two opposite edges simply supported. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 1652-1669	2	14
21	Cell-free layer and wall shear stress variation in microvessels. <i>Biorheology</i> , 2012 , 49, 261-70	1.7	13
20	Inverted Perovskite Solar Cells with Efficient Mixed-Fullerene Derivative Charge Extraction Layers. <i>ChemistrySelect</i> , 2018 , 3, 6802-6809	1.8	12
19	Dynamic stiffness formulation for the vibrations of stiffened plate structures with consideration of in-plane deformation. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 4825-4838	2	10
18	Vertically aligned ZnO/ZnTe core/shell heterostructures on an AZO substrate for improved photovoltaic performance. <i>RSC Advances</i> , 2017 , 7, 14837-14845	3.7	9
17	Power flow analysis of built-up plate structures using the dynamic stiffness method. <i>JVC/Journal of Vibration and Control</i> , 2018 , 24, 2815-2831	2	9
16	Solution-processed Kesterite Cu ₂ ZnSnS ₄ as Efficient Hole Extraction Layer for Inverted Perovskite Solar Cells. <i>Chemistry Letters</i> , 2018 , 47, 817-820	1.7	8
15	Spectral element method for vibration analysis of three-dimensional pipes conveying fluid. <i>International Journal of Mechanics and Materials in Design</i> , 2019 , 15, 345-360	2.5	8
14	Improved phase stability of ECsPbI ₃ perovskite nanocrystals using the interface effect using iodine modified graphene oxide. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2569-2578	7.1	8

13	Reduced Graphene Oxide/CZTS _x Se _{1-x} Composites as a Novel Hole-Transport Functional Layer in Perovskite Solar Cells. <i>ChemElectroChem</i> , 2019 , 6, 1500-1507	4.3	8
12	Laser-Induced Flash-Evaporation Printing CH ₃ NH ₃ PbI ₃ Thin Films for High-Performance Planar Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26206-26212	9.5	7
11	High Efficient Large-area Perovskite Solar Cells Based on Paintable Carbon Electrode with NiO Nanocrystal-carbon Intermediate Layer. <i>Chemistry Letters</i> , 2019 , 48, 734-737	1.7	4
10	Modeling the dynamic flow-fiber interaction for microscopic biofluid systems. <i>Journal of Biomechanics</i> , 2013 , 46, 314-8	2.9	4
9	Efficient Inorganic Cesium Lead Mixed-Halide Perovskite Solar Cells Prepared by Flash-Evaporation Printing. <i>Energy Technology</i> , 2019 , 7, 1800986	3.5	4
8	A generalized superposition method for accurate free vibration analysis of rectangular plates and assemblies. <i>Journal of the Acoustical Society of America</i> , 2019 , 145, 185	2.2	4
7	All Solution-Processed Cu ₂ ZnSnS ₄ Solar Cell by Using High-Boiling-Point Solvent Treated Ball-Milling Process with Efficiency Exceeding 6%. <i>ChemistrySelect</i> , 2019 , 4, 982-989	1.8	3
6	Vibration Transmission within Beam-stiffened Plate Structures Using Dynamic Stiffness Method. <i>Procedia Engineering</i> , 2017 , 199, 411-416		3
5	Dynamic stiffness approach to vibration transmission within a beam structure carrying spring-mass systems. <i>International Journal of Mechanics and Materials in Design</i> , 2020 , 16, 279-288	2.5	3
4	Dynamic stiffness formulation for transverse and in-plane vibration of rectangular plates with arbitrary boundary conditions based on a generalized superposition method. <i>International Journal of Mechanics and Materials in Design</i> , 2021 , 17, 119-135	2.5	2
3	All-Layer Sputtering-Free Cu ₂ Zn _{1-x} Cd _x SnS ₄ Solar Cell with Efficiency Exceeding 7.5%. <i>ChemistrySelect</i> , 2019 , 4, 5979-5983	1.8	1
2	Improved Moisture Stability of Perovskite Solar Cells Using N719 Dye Molecules. <i>Solar Rrl</i> , 2019 , 3, 1970-1975	1.5	1
1	Vibration Transmission from a Machine with Three Degree of Freedoms to Beam Structures by Dynamic Stiffness Method. <i>Shock and Vibration</i> , 2022 , 2022, 1-18	1.1	