

Shuang Yang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6340579/shuang-yang-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

5,752
citations

36
h-index

75
g-index

118
ext. papers

7,113
ext. citations

10.8
avg, IF

6.25
L-index

#	Paper	IF	Citations
110	Non-selective adsorption of organic cations enables conformal surface capping of perovskite grains for stabilized photovoltaic operation. <i>Cell Reports Physical Science</i> , 2022 , 3, 100760	6.1	0
109	A Self-Formed Stable Pbl /NiO Interface with Increased Ni Centers for Perovskite Photovoltaics.. <i>Chemistry - A European Journal</i> , 2022 , e202200202	4.8	1
108	Thin MAPbSnI Perovskite Single Crystals for Sensitive Infrared Light Detection.. <i>Frontiers in Chemistry</i> , 2021 , 9, 821699	5	1
107	Highly Ethylene-Selective Electrocatalytic CO Reduction Enabled by Isolated Cu-S Motifs in Metal-Organic Framework Based Precatalysts. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	5
106	Boric Acid Mediated Formation and Doping of NiOx Layers for Perovskite Solar Cells with Efficiency over 21%. <i>Solar Rrl</i> , 2021 , 5, 2000810	7.1	5
105	Oriented inorganic perovskite absorbers processed by colloidal-phase fumigation. <i>Science China Materials</i> , 2021 , 64, 2421-2429	7.1	4
104	Highly ordered mesoporous Co3O4 cubes/graphene oxide heterostructure as efficient counter electrodes in dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 16519-16527	2.1	3
103	Modulating MAPbI3 perovskite solar cells by amide molecules: Crystallographic regulation and surface passivation. <i>Journal of Energy Chemistry</i> , 2021 , 56, 179-185	12	13
102	Epitaxial halide perovskite-based materials for photoelectric energy conversion. <i>Energy and Environmental Science</i> , 2021 , 14, 127-157	35.4	17
101	Revealing defective nanostructured surfaces and their impact on the intrinsic stability of hybrid perovskites. <i>Energy and Environmental Science</i> , 2021 , 14, 1563-1572	35.4	22
100	cRGD peptide-conjugated polyethylenimine-based lipid nanoparticle for intracellular delivery of siRNA in hepatocarcinoma therapy. <i>Drug Delivery</i> , 2021 , 28, 995-1006	7	4
99	Layer number dependent exciton dissociation and carrier recombination in 2D Ruddlesden-Popper halide perovskites. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 8966-8974	7.1	6
98	Mediating the Local Oxygen-Bridge Interactions of Oxysalt/Perovskite Interface for Defect Passivation of Perovskite Photovoltaics. <i>Nano-Micro Letters</i> , 2021 , 13, 177	19.5	9
97	Design, synthesis and biological evaluation of sphingosine-1-phosphate receptor 2 antagonists as potent 5-FU-resistance reversal agents for the treatment of colorectal cancer. <i>European Journal of Medicinal Chemistry</i> , 2021 , 225, 113775	6.8	2
96	Homogeneous doping of entire perovskite solar cells via alkali cation diffusion from the hole transport layer. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9266-9271	13	4
95	Inverted perovskite solar cells based on potassium salt-modified NiOX hole transport layers. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3614-3620	7.8	3
94	Designing Large-Area Single-Crystal Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020 , 5, 1797-1803	20.1	28

93	Benign ferroelastic twin boundaries in halide perovskites for charge carrier transport and recombination. <i>Nature Communications</i> , 2020 , 11, 2215	17.4	26
92	Fabrication of Poly(ethylene glycol) Capsules via Emulsion Templating Method for Targeted Drug Delivery. <i>Polymers</i> , 2020 , 12,	4.5	2
91	Determining In-Plane Carrier Diffusion in Two-Dimensional Perovskite Using Local Time-Resolved Photoluminescence. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26384-26390	9.5	14
90	Diammonium-Cesium Lead Halide Perovskite with Phase-Segregated Interpenetrating Morphology for Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 747-754	6.4	9
89	Single Crystal Perovskite Solar Cells: Development and Perspectives. <i>Advanced Functional Materials</i> , 2020 , 30, 1905021	15.6	100
88	A Dendrite-Structured RbX (X=Br, I) Interlayer for CsPbI Br Perovskite Solar Cells with Over 15 % Stabilized Efficiency. <i>ChemSusChem</i> , 2020 , 13, 5342	8.3	
87	A Dendrite-Structured RbX (X=Br, I) Interlayer for CsPbI Br Perovskite Solar Cells with Over 15 % Stabilized Efficiency. <i>ChemSusChem</i> , 2020 , 13, 5443-5448	8.3	4
86	Antiswelling and Durable Adhesion Biodegradable Hydrogels for Tissue Repairs and Strain Sensors. <i>Langmuir</i> , 2020 , 36, 10448-10459	4	20
85	Water assisted formation of highly oriented CsPbI ₂ Br perovskite films with the solar cell efficiency exceeding 16%. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17670-17674	13	19
84	Kanglexin accelerates diabetic wound healing by promoting angiogenesis via FGFR1/ERK signaling. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 132, 110933	7.5	7
83	Surface chelation of cesium halide perovskite by dithiocarbamate for efficient and stable solar cells. <i>Nature Communications</i> , 2020 , 11, 4237	17.4	62
82	Spontaneous Passivation of Perovskite Solar Cells by Titanium Tetrafluoride. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4121-4126	6.1	3
81	Kanglexin protects against cardiac fibrosis and dysfunction in mice by TGF- β 1/ERK1/2 noncanonical pathway. <i>Frontiers in Pharmacology</i> , 2020 , 11, 572637	5.6	0
80	Deepening the Valance Band Edges of NiOx Contacts by Alkaline Earth Metal Doping for Efficient Perovskite Photovoltaics with High Open-Circuit Voltage. <i>Solar Rrl</i> , 2019 , 3, 1900192	7.1	23
79	LncRNA PCFL promotes cardiac fibrosis via miR-378/GRB2 pathway following myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 133, 188-198	5.8	27
78	Imperfections and their passivation in halide perovskite solar cells. <i>Chemical Society Reviews</i> , 2019 , 48, 3842-3867	58.5	724
77	Tailoring Passivation Molecular Structures for Extremely Small Open-Circuit Voltage Loss in Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5781-5787	16.4	368
76	Oriented collagen fiber membranes formed through counter-rotating extrusion and their application in tendon regeneration. <i>Biomaterials</i> , 2019 , 207, 61-75	15.6	51

75	The Dominant Energy Transport Pathway in Halide Perovskites: Photon Recycling or Carrier Diffusion?. <i>Advanced Energy Materials</i> , 2019 , 9, 1900185	21.8	61
74	Kang Le Xin Reduces Blood Pressure Through Inducing Endothelial-Dependent Vasodilation by Activating the AMPK-eNOS Pathway. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1548	5.6	9
73	Transient Energy Reservoir in 2D Perovskites. <i>Advanced Optical Materials</i> , 2019 , 7, 1900971	8.1	33
72	NiO hole transport materials: gap state assisted hole extraction with superior electrical conductivity. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20905-20910	13	17
71	Stabilizing halide perovskite surfaces for solar cell operation with wide-bandgap lead oxysalts. <i>Science</i> , 2019 , 365, 473-478	33.3	460
70	Synthesis and bioevaluation of diarylpyrazoles as antiproliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2019 , 171, 1-10	6.8	12
69	Antifouling and pH-Responsive Poly(Carboxybetaine)-Based Nanoparticles for Tumor Cell Targeting. <i>Frontiers in Chemistry</i> , 2019 , 7, 770	5	9
68	A Gradient Heterostructure Based on Tolerance Factor in High-Performance Perovskite Solar Cells with 0.84 Fill Factor. <i>Advanced Materials</i> , 2019 , 31, e1804217	24	70
67	Organohalide Lead Perovskites: More Stable than Glass under Gamma-Ray Radiation. <i>Advanced Materials</i> , 2019 , 31, e1805547	24	51
66	Enhanced Thermal Stability in Perovskite Solar Cells by Assembling 2D/3D Stacking Structures. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 654-658	6.4	313
65	Surface Electronic Modification of Perovskite Thin Film with Water-Resistant Electron Delocalized Molecules for Stable and Efficient Photovoltaics. <i>Advanced Energy Materials</i> , 2018 , 8, 1703143	21.8	62
64	A Solution-Processed Transparent NiO Hole-Extraction Layer for High-Performance Inverted Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2018 , 24, 2845-2849	4.8	40
63	Dynamic Output Feedback MPC for Interval Type-2 T-S Fuzzy Networked Control Systems with Packet Loss 2018 ,		2
62	Mo activated multimetal oxygen-evolving catalysts. <i>Chemical Science</i> , 2017 , 8, 3484-3488	9.4	88
61	Low-temperature processed In ₂ S ₃ electron transport layer for efficient hybrid perovskite solar cells. <i>Nano Energy</i> , 2017 , 36, 102-109	17.1	74
60	A Band-Edge Potential Gradient Heterostructure to Enhance Electron Extraction Efficiency of the Electron Transport Layer in High-Performance Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1700878	15.6	58
59	Surface-functionalized perovskite films for stable photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 910-913	13	44
58	Amorphous ferric oxide as a hole-extraction and transfer layer on nanoporous bismuth vanadate photoanode for water oxidation. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1045-1051	11.3	4

57	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4252-4255	16.4	165
56	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. <i>Angewandte Chemie</i> , 2017 , 129, 4316-4319	3.6	15
55	Thermally Induced Crystallization of High Quality CH ₃ NH ₃ PbI ₃ Film with Large Grains for Highly Efficient Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2017 , 23, 5658-5662	4.8	6
54	Molten Salt-Assisted Growth of Perovskite Films with Submillimeter-Sized Grains. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 524-529	3.9	3
53	Ni ₂ P(O)/Fe ₂ P(O) Interface Can Boost Oxygen Evolution Electrocatalysis. <i>ACS Energy Letters</i> , 2017 , 2, 2257-2263	20.1	116
52	Irgm1 promotes M1 but not M2 macrophage polarization in atherosclerosis pathogenesis and development. <i>Atherosclerosis</i> , 2016 , 251, 282-290	3.1	23
51	Functionalization of perovskite thin films with moisture-tolerant molecules. <i>Nature Energy</i> , 2016 , 1,	62.3	369
50	A low-temperature processed flower-like TiO ₂ array as an electron transport layer for high-performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6521-6526	13	36
49	Engineered Hematite Mesoporous Single Crystals Drive Drastic Enhancement in Solar Water Splitting. <i>Nano Letters</i> , 2016 , 16, 427-33	11.5	65
48	MgO/Pi ₂ O catalysts templated by a PDMS/PEO comb-like copolymer for transesterification of vegetable oil to biodiesel. <i>Fuel</i> , 2016 , 165, 215-223	7.1	23
47	Defect-Rich Ultrathin Cobalt-Iron Layered Double Hydroxide for Electrochemical Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34474-34481	9.5	240
46	Hierarchical structure engineering of brookite TiO ₂ crystals for enhanced photocatalytic and external antitumor property. <i>Science Bulletin</i> , 2016 , 61, 1818-1825	10.6	12
45	Electrochemical etching of Cobalt hydroxide for improvement of oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9578-9584	13	91
44	TiO ₂ cement for high-performance dye-sensitized solar cells. <i>RSC Advances</i> , 2016 , 6, 83802-83807	3.7	2
43	Key role of collagen fibers orientation in casing-meat adhesion. <i>Food Research International</i> , 2016 , 89, 439-447	7	12
42	Sonodynamic therapy induces the interplay between apoptosis and autophagy in K562 cells through ROS. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 60, 82-92	5.6	37
41	Formation of high-quality perovskite thin film for planar heterojunction solar cells. <i>RSC Advances</i> , 2015 , 5, 69502-69508	3.7	15
40	Critical roles of co-catalysts for molecular hydrogen formation in photocatalysis. <i>Journal of Catalysis</i> , 2015 , 330, 120-128	7.3	48

39	Crystal shape engineering of anatase TiO ₂ and its biomedical applications. <i>CrystEngComm</i> , 2015 , 17, 6617-6631	3.3	21
38	Direct insight into crystallization and stability of hybrid perovskite CH ₃ NH ₃ PbI ₃ via solvothermal synthesis. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15854-15857	13	20
37	Thermal-Induced Volmer-Weber Growth Behavior for Planar Heterojunction Perovskites Solar Cells. <i>Chemistry of Materials</i> , 2015 , 27, 5116-5121	9.6	92
36	Controlled Oriented Attachment of Bipyramidal-Shaped Anatase TiO ₂ and Their Enhanced Performance in Dye-Sensitized Solar Cells. <i>ChemPlusChem</i> , 2015 , 80, 805-809	2.8	7
35	Novel PtO decorated MWCNTs as a highly efficient counter electrode for dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 8307-8310	3.7	5
34	Multifunctional Inverse Opal-Like TiO ₂ Electron Transport Layer for Efficient Hybrid Perovskite Solar Cells. <i>Advanced Science</i> , 2015 , 2, 1500105	13.6	54
33	Chemical Vapor Deposition of FeOCl Nanosheet Arrays and Their Conversion to Porous Fe ₂ O ₃ Photoanodes for Photoelectrochemical Water Splitting. <i>Chemistry - A European Journal</i> , 2015 , 21, 18024-18028	4.8	15
32	Mn ₃ O ₄ nano-octahedrons on Ni foam as an efficient three-dimensional oxygen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14101-14104	13	80
31	Chemical constituents of <i>Lobelia chinensis</i> . <i>Phytotherapy Research</i> , 2014 , 93, 168-74	3.2	24
30	Titania single crystals with a curved surface. <i>Nature Communications</i> , 2014 , 5, 5355	17.4	73
29	Activation of microbubbles by low-level therapeutic ultrasound enhances the antitumor effects of doxorubicin. <i>European Radiology</i> , 2014 , 24, 2739-53	8	21
28	Formation Mechanism of Freestanding CH ₃ NH ₃ PbI ₃ Functional Crystals: In Situ Transformation vs Dissolution-Crystallization. <i>Chemistry of Materials</i> , 2014 , 26, 6705-6710	9.6	130
27	A free radical assisted strategy for preparing ultra-small Pt decorated CNTs as a highly efficient counter electrode for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 614-619	13	25
26	Structure disorder of graphitic carbon nitride induced by liquid-assisted grinding for enhanced photocatalytic conversion. <i>RSC Advances</i> , 2014 , 4, 10676-10679	3.7	23
25	Precisely controlled heterogeneous nucleation sites for TiO ₂ crystal growth. <i>CrystEngComm</i> , 2014 , 16, 7502	3.3	8
24	Molybdenum carbide stabilized on graphene with high electrocatalytic activity for hydrogen evolution reaction. <i>Chemical Communications</i> , 2014 , 50, 13135-7	5.8	194
23	In situ growth of mirror-like platinum as highly-efficient counter electrode with light harvesting function for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1641-1646	13	17
22	Anatase TiO ₂ with nanopores for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 23038-43	3.6	9

21	A novel strategy to prepare a PtSnO ₂ nanocomposite as a highly efficient counter electrode for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17253-17257	13	27
20	Highly electrocatalytic activity of RuO ₂ nanocrystals for triiodide reduction in dye-sensitized solar cells. <i>Small</i> , 2014 , 10, 484-92, 483	11	65
19	Solar Cells: Highly Electrocatalytic Activity of RuO ₂ Nanocrystals for Triiodide Reduction in Dye-Sensitized Solar Cells (Small 3/2014). <i>Small</i> , 2014 , 10, 483-483	11	3
18	Chiral separation of two diastereomeric pairs of enantiomers of novel alkaloid-lignan hybrids from <i>Lobelia chinensis</i> and determination of the tentative absolute configuration. <i>Journal of Chromatography A</i> , 2013 , 1311, 134-9	4.5	11
17	Efficacy of combined therapy with paclitaxel and low-level ultrasound in human chronic myelogenous leukemia cell line K562. <i>Journal of Drug Targeting</i> , 2013 , 21, 874-84	5.4	10
16	Active sites on hydrogen evolution photocatalyst. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15258	13	81
15	Hydrogen-treated commercial WO ₃ as an efficient electrocatalyst for triiodide reduction in dye-sensitized solar cells. <i>Chemical Communications</i> , 2013 , 49, 5945-7	5.8	78
14	Highly efficient overlayer derived from peroxotitanium for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1374-1379	13	17
13	A sulfur-assisted strategy to decorate MWCNTs with highly dispersed Pt nanoparticles for counter electrode in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1982-1986	13	35
12	Impurity-Free Synthesis of Cube-Like Single-Crystal Anatase TiO ₂ for High Performance Dye-Sensitized Solar Cell. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 4098-4102	3.9	17
11	Ultrathin SnO ₂ scaffolds for TiO ₂ -based heterojunction photoanodes in dye-sensitized solar cells: oriented charge transport and improved light scattering. <i>Chemistry - A European Journal</i> , 2013 , 19, 9366-70	4.8	29
10	Synthesis and characterization of heterometallic complexes as nanofibers by a solvothermal route. <i>RSC Advances</i> , 2013 , 3, 11640	3.7	3
9	Facet-dependent catalytic activity of platinum nanocrystals for triiodide reduction in dye-sensitized solar cells. <i>Scientific Reports</i> , 2013 , 3, 1836	4.9	133
8	Zn(II)-doped Fe ₂ O ₃ single-crystalline nanoplates with high phase-transition temperature, superparamagnetic property and good photocatalytic property. <i>RSC Advances</i> , 2013 , 3, 21994	3.7	12
7	Turning indium oxide into a superior electrocatalyst: deterministic heteroatoms. <i>Scientific Reports</i> , 2013 , 3, 3109	4.9	27
6	Size-controlled synthesis, magnetic property, and photocatalytic property of uniform Fe ₂ O ₃ nanoparticles via a facile additive-free hydrothermal route. <i>CrystEngComm</i> , 2012 , 14, 7915	3.3	62
5	Self-Powered FA _{0.55} MA _{0.45} PbI ₃ Single-Crystal Perovskite X-Ray Detectors with High Sensitivity. <i>Advanced Functional Materials</i> , 2109149	15.6	19
4	Stabilization Techniques of Lead Halide Perovskite for Photovoltaic Applications. <i>Solar Rrl</i> , 2100710	7.1	3

3	Solution-processable nickel–chromium ternary oxide as an efficient hole transport layer for inverted planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> ,	13	1
2	Self-Organized Co ₃ O ₄ -SrCO ₃ Percolative Composites Enabling Nanosized Hole Transport Pathways for Perovskite Solar Cells. <i>Advanced Functional Materials</i> ,2106121	15.6	6
1	Stoichiometric Dissolution of Defective CsPbI ₂ Br Surfaces for Inorganic Solar Cells with 17.5% Efficiency. <i>Advanced Energy Materials</i> ,2103933	21.8	15