

# Yujing Li

## List of Publications by Citations

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

87  
papers

5,734  
citations

39  
h-index

75  
g-index

89  
ext. papers

6,582  
ext. citations

11.9  
avg, IF

5.76  
L-index

#	Paper	IF	Citations
87	Stabilization of high-performance oxygen reduction reaction Pt electrocatalyst supported on reduced graphene oxide/carbon black composite. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12326-9	16.4	400
86	Platinum nanocrystals selectively shaped using facet-specific peptide sequences. <i>Nature Chemistry</i> , <b>2011</b> , 3, 393-9	17.6	361
85	Plasmonic modulation of the upconversion fluorescence in NaYF <sub>4</sub> :Yb/Tm hexaplate nanocrystals using gold nanoparticles or nanoshells. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2865-8	16.4	317
84	Electrically conductive and optically active porous silicon nanowires. <i>Nano Letters</i> , <b>2009</b> , 9, 4539-43	11.5	303
83	Novel visible light induced Co <sub>3</sub> O <sub>4</sub> -g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalysts for efficient degradation of methyl orange. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 147, 546-553	21.8	288
82	Strain engineering in perovskite solar cells and its impacts on carrier dynamics. <i>Nature Communications</i> , <b>2019</b> , 10, 815	17.4	286
81	Synthesis of PtPd bimetal nanocrystals with controllable shape, composition, and their tunable catalytic properties. <i>Nano Letters</i> , <b>2012</b> , 12, 4265-70	11.5	207
80	Multifunctional nanoparticles displaying magnetization and near-IR absorption. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 2439-42	16.4	173
79	Grain-Boundary "Patches" by In Situ Conversion to Enhance Perovskite Solar Cells Stability. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800544	24	170
78	High-kappa oxide nanoribbons as gate dielectrics for high mobility top-gated graphene transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 6711-5	11.5	161
77	Pt-Based Nanocrystal for Electrocatalytic Oxygen Reduction. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808115	24	160
76	AuPd bimetallic nanoparticles decorated graphitic carbon nitride for highly efficient reduction of water to H <sub>2</sub> under visible light irradiation. <i>Carbon</i> , <b>2015</b> , 92, 31-40	10.4	155
75	Enhanced visible light photocatalytic hydrogen evolution of sulfur-doped polymeric g-C <sub>3</sub> N <sub>4</sub> photocatalysts. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 3919-3925	5.1	153
74	Cost Analysis of Perovskite Tandem Photovoltaics. <i>Joule</i> , <b>2018</b> , 2, 1559-1572	27.8	150
73	Interfacial Residual Stress Relaxation in Perovskite Solar Cells with Improved Stability. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904408	24	126
72	Photocatalytic Properties of Porous Silicon Nanowires. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 3590-3594		112
71	Novel PtCo alloy nanoparticle decorated 2D g-C <sub>3</sub> N <sub>4</sub> nanosheets with enhanced photocatalytic activity for H <sub>2</sub> evolution under visible light irradiation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23274-23282	13	108

70	Tailoring molecular specificity toward a crystal facet: a lesson from biorecognition toward Pt{111}. <i>Nano Letters</i> , <b>2013</b> , 13, 840-6	11.5	95
69	Congeneric Incorporation of CsPbBr <sub>3</sub> Nanocrystals in a Hybrid Perovskite Heterojunction for Photovoltaic Efficiency Enhancement. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 30-38	20.1	86
68	Site-selected synthesis of novel Ag@AgCl nanoframes with efficient visible light induced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12594-12600	13	85
67	Novel AuPd bimetallic alloy decorated 2D BiVO <sub>4</sub> nanosheets with enhanced photocatalytic performance under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 204, 385-393	21.8	84
66	A facile way to synthesize Ag@AgBr cubic cages with efficient visible-light-induced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 163, 564-572	21.8	82
65	Plasmonic Modulation of the Upconversion Fluorescence in NaYF <sub>4</sub> :Yb/Tm Hexaplate Nanocrystals Using Gold Nanoparticles or Nanoshells. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 2927-2930	3.6	78
64	Specific peptide regulated synthesis of ultrasmall platinum nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 15998-9	16.4	73
63	Composition tuning the upconversion emission in NaYF <sub>4</sub> :Yb/Tm hexaplate nanocrystals. <i>Nanoscale</i> , <b>2011</b> , 3, 963-6	7.7	69
62	Synthesis of platinum single-twinned right bipyramid and {111}-bipyramid through targeted control over both nucleation and growth using specific peptides. <i>Nano Letters</i> , <b>2011</b> , 11, 3040-6	11.5	65
61	Morphology-controlled synthesis of platinum nanocrystals with specific peptides. <i>Advanced Materials</i> , <b>2010</b> , 22, 1921-5	24	65
60	Recent advances toward practical use of halide perovskite nanocrystals. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21729-21746	13	62
59	1000 h Operational Lifetime Perovskite Solar Cells by Ambient Melting Encapsulation. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1902472	21.8	60
58	Synthesis of bimetallic Pt-Pd core-shell nanocrystals and their high electrocatalytic activity modulated by Pd shell thickness. <i>Nanoscale</i> , <b>2012</b> , 4, 845-51	7.7	56
57	Size-controlled synthesis of Pd nanocrystals using a specific multifunctional peptide. <i>Nanoscale</i> , <b>2010</b> , 2, 927-30	7.7	52
56	Simplifying the creation of dumbbell-like Cu-Ag nanostructures and their enhanced catalytic activity. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9505-10	4.8	49
55	Low-temperature-processed inorganic perovskite solar cells via solvent engineering with enhanced mass transport. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23602-23609	13	49
54	Hollow Loofah-Like N, O-Co-Doped Carbon Tube for Electrocatalysis of Oxygen Reduction. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900015	15.6	44
53	Gold-Palladium bimetallic nanoalloy decorated ultrathin 2D TiO <sub>2</sub> nanosheets as efficient photocatalysts with high hydrogen evolution activity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8659-8668	13	42

52	AuPd bimetallic nanoparticles decorated Cd <sub>0.5</sub> Zn <sub>0.5</sub> S photocatalysts with enhanced visible-light photocatalytic H <sub>2</sub> production activity. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 14704-14712	6.7	42
51	Tungsten-Doping-Induced Surface Reconstruction of Porous Ternary Pt-Based Alloy Electrocatalyst for Oxygen Reduction. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807070	15.6	42
50	Graphene-hemin hybrid material as effective catalyst for selective oxidation of primary C-H bond in toluene. <i>Scientific Reports</i> , <b>2013</b> , 3,	4.9	40
49	Synergistically Enhanced Oxygen Reduction Electrocatalysis by Subsurface Atoms in Ternary PdCuNi Alloy Catalysts. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707219	15.6	39
48	Ligand engineering on CdTe quantum dots in perovskite solar cells for suppressed hysteresis. <i>Nano Energy</i> , <b>2018</b> , 46, 45-53	17.1	38
47	Hierarchical assembled nanomaterial paper based analytical devices for simultaneously electrochemical detection of microRNAs. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1058, 89-96	6.6	35
46	Multifunctional Nanoparticles Displaying Magnetization and Near-IR Absorption. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 2473-2476	3.6	35
45	Extremely low trap-state energy level perovskite solar cells passivated using NH <sub>2</sub> -POSS with improved efficiency and stability. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6806-6814	13	34
44	Development of encapsulation strategies towards the commercialization of perovskite solar cells. <i>Energy and Environmental Science</i> ,	35.4	33
43	Tungsten as Adhesive In Pt <sub>2</sub> CuW <sub>0.25</sub> Ternary Alloy for Highly Durable Oxygen Reduction Electrocatalysis. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908230	15.6	32
42	Peptide-Assisted 2-D Assembly toward Free-Floating Ultrathin Platinum Nanoplates as Effective Electrocatalysts. <i>Nano Letters</i> , <b>2019</b> , 19, 3730-3736	11.5	31
41	Contact Engineering: Electrode Materials for Highly Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2017</b> , 1, 1700082	7.1	31
40	Temporal and spatial pinhole constraints in small-molecule hole transport layers for stable and efficient perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7338-7346	13	28
39	Protein and protein assembly based material structures. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3755		27
38	Novel NiS cocatalyst decorating ultrathin 2D TiO <sub>2</sub> nanosheets with enhanced photocatalytic hydrogen evolution activity. <i>Materials Research Bulletin</i> , <b>2017</b> , 87, 123-129	5.1	26
37	Promoting Thermodynamic and Kinetic Stabilities of FA-based Perovskite by an in Situ Bilayer Structure. <i>Nano Letters</i> , <b>2020</b> , 20, 3864-3871	11.5	25
36	Reduction of intrinsic defects in hybrid perovskite films via precursor purification. <i>Chemical Communications</i> , <b>2017</b> , 53, 10548-10551	5.8	24
35	Interface engineering in solid state Li metal batteries by quasi-2D hybrid perovskites. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20896-20903	13	23

34	Synthesis of Fe-doped octahedral Pt <sub>3</sub> Ni nanocrystals with high electro-catalytic activity and stability towards oxygen reduction reaction. <i>RSC Advances</i> , <b>2014</b> , 4, 1895-1899	3.7	22
33	Probing Phase Distribution in 2D Perovskites for Efficient Device Design. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 3127-3133	9.5	21
32	Synthesis of highly monodispersed PtCuNi nanocrystals with high electro-catalytic activities towards oxygen reduction reaction. <i>Catalysis Today</i> , <b>2016</b> , 278, 247-254	5.3	20
31	Heterogeneously supported pseudo-single atom Pt as sustainable hydrosilylation catalyst. <i>Nano Research</i> , <b>2018</b> , 11, 2544-2552	10	20
30	The Role of Surface Termination in Halide Perovskites for Efficient Photocatalytic Synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12931-12937	16.4	19
29	Cation Diffusion Guides Hybrid Halide Perovskite Crystallization during the Gel Stage. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5979-5987	16.4	19
28	Sandwiched electrode buffer for efficient and stable perovskite solar cells with dual back surface fields. <i>Joule</i> , <b>2021</b> , 5, 2148-2163	27.8	18
27	Pt <sub>x</sub> Cu <sub>y</sub> nanocrystals with hexa-pod morphology and their electrocatalytic performances towards oxygen reduction reaction. <i>Nano Research</i> , <b>2015</b> , 8, 3342-3352	10	16
26	Ordered PtPb/Pt Core/Shell Nanodisks as Highly Active, Selective, and Stable Catalysts for Methanol Reformation to H <sub>2</sub> . <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703430	21.8	16
25	Stabilizing RbPbBr Perovskite Nanocrystals through Cs Substitution. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2597-2603	4.8	16
24	Microspherical ZnO synthesized from a metal-organic precursor for supercapacitors. <i>Ionics</i> , <b>2016</b> , 22, 2169-2174	2.7	14
23	Low-temperature, seed-mediated synthesis of monodispersed hyperbranched PtRu nanoparticles and their electrocatalytic activity in methanol oxidation. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12461		14
22	Efficient catalytic hydrogen generation by intermetallic platinum-lead nanostructures with highly tunable porous feature. <i>Science Bulletin</i> , <b>2019</b> , 64, 36-43	10.6	12
21	Migration of Ion Vacancy in Hydroxylated Oxide Film Formed on Cr: A Density Functional Theory Investigation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 25478-25485	3.8	10
20	Heterojunction-Type Photocatalytic System Based on Inorganic Halide Perovskite CsPbBr <sub>3</sub> □	4.9	9
19	Biomimetic synthesis of inorganic materials and their applications. <i>Pure and Applied Chemistry</i> , <b>2010</b> , 83, 111-125	2.1	8
18	Enhancement of oxygen reduction reaction activity by grain boundaries in platinum nanostructures. <i>Nano Research</i> , <b>2020</b> , 13, 3310-3314	10	8
17	Monodisperse PdCu@PtCu Core@Shell nanocrystal and their high activity and durability for oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 192, 227-233	6.7	8

16	A novel hierachically-nanostructured Pt/SiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> catalyst with high activity and recyclability towards hydrosilylation. <i>RSC Advances</i> , <b>2016</b> , 6, 98520-98527	3.7	8
15	1D Perovskitoid as Absorbing Material for Stable Solar Cells. <i>Crystals</i> , <b>2021</b> , 11, 241	2.3	7
14	Fabricating Surface-Functionalized CsPbBr/CsPbBr Nanosheets for Visible-Light Photocatalytic Oxidation of Styrene. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 130	5	5
13	Anions-Exchange-Induced Efficient Carrier Transport at CsPbBr <sub>x</sub> Cl <sub>3-x</sub> /TiO <sub>2</sub> Interface for Photocatalytic Activation of C(sp <sup>3</sup> )H bond in Toluene Oxidation. <i>ChemCatChem</i> , <b>2021</b> , 13, 2592-2598	5.2	5
12	Rational design of Fe-N-C electrocatalysts for oxygen reduction reaction: From nanoparticles to single atoms. <i>Nano Research</i> , 1	10	5
11	Optimized MoP with Pseudo-Single-Atom Tungsten for Efficient Hydrogen Electrocatalysis. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3639-3649	9.6	4
10	A Strategy toward New Low-Dimensional Hybrid Halide Perovskites with Anionic Spacers. <i>Small</i> , <b>2019</b> , 15, e1804152	11	3
9	Bottom-up pore-generation strategy modulated active nitrogen species for oxygen reduction reaction. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 2684-2693	7.8	3
8	Recent Progress in Designing Halide-Perovskite-Based System for the Photocatalytic Applications. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 613174	5	3
7	Cation Diffusion Guides Hybrid Halide Perovskite Crystallization during the Gel Stage. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6035-6043	3.6	2
6	Dual-metal single-atomic catalyst: The challenge in synthesis, characterization, and mechanistic investigation for electrocatalysis. <i>SmartMat</i> ,	22.8	2
5	Enhancing catalytic H <sub>2</sub> generation by surface electronic tuning of systematically controlled Pt-Pb nanocrystals. <i>Nano Research</i> , <b>2019</b> , 12, 2335-2340	10	1
4	The Role of Surface Termination in Halide Perovskites for Efficient Photocatalytic Synthesis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13031-13037	3.6	1
3	Surface Molecular Encapsulation with Cyclodextrin in Promoting the Activity and Stability of Fe Single Atom Catalyst for Oxygen Reduction Reaction. <i>Energy and Environmental Materials</i> ,	13	1
2	Atomic Regulation of PGM Electrocatalysts for the Oxygen Reduction Reaction. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 699861	5	1
1	Stability of Platinum-Group-Metal-based Electrocatalysts in Proton Exchange Membrane Fuel Cells. <i>Advanced Functional Materials</i> , 2203883	15.6	0