

# Lian Ying Zhang

## List of Publications by Year in descending order

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72  
papers

3,359  
citations

117571

34  
h-index

149623

56  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly wrinkled palladium nanosheets as advanced electrocatalysts for the oxygen reduction reaction in acidic medium. <i>Chemical Engineering Journal</i> , 2022, 431, 133237.	6.6	33
2	Surface Nitridation of PdCu Nanosheets to Promote Charge Transfer and Suppress CO Poisoning toward Ethanol Electrooxidation. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	26
3	Directionally In Situ Self-Assembled, High-Density, Macropore-Oriented, Co-Impregnated, 3D Hierarchical Porous Carbon Sheet Nanostructure for Superior Electrocatalysis in the Hydrogen Evolution Reaction (Small 2/2022). <i>Small</i> , 2022, 18, .	5.2	0
4	Dynamically self-assembled adenine-mediated synthesis of pristine graphene-supported clean Pd nanoparticles with superior electrocatalytic performance toward formic acid oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 515-523.	5.0	15
5	Controllable Synthesis of Web-Footed PdCu Nanosheets and Their Electrocatalytic Applications. <i>Small</i> , 2022, 18, e2107623.	5.2	62
6	Directionally In Situ Self-Assembled, High-Density, Macropore-Oriented, Co-Impregnated, 3D Hierarchical Porous Carbon Sheet Nanostructure for Superior Electrocatalysis in the Hydrogen Evolution Reaction. <i>Small</i> , 2022, 18, e2103866.	5.2	24
7	ZnO nanowire arrays with <i>in situ</i> sequentially self-assembled vertically oriented CdS nanosheets as superior photoanodes for photoelectrochemical water splitting. <i>Sustainable Energy and Fuels</i> , 2022, 6, 3240-3248.	2.5	8
8	Holey PdPb nanosheet array: An advanced catalyst for methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2236-2243.	3.8	22
9	Simple and effective synthesis of zinc ferrite nanoparticle immobilized by reduced graphene oxide as anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 827-837.	5.0	22
10	Layered PdW nanosheet assemblies for alcohol electrooxidation. <i>Applied Surface Science</i> , 2021, 537, 147860.	3.1	44
11	Synthesis of hierarchical interconnected graphene oxide for enhanced oxygen reduction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125719.	2.3	4
12	Hierarchical defective palladium-silver alloy nanosheets for ethanol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 200-207.	5.0	41
13	The ethanol oxidation reaction on bimetallic Pd <sub>x</sub> Ag <sub>1-x</sub> nanosheets in alkaline media and their mechanism study. <i>Electrochimica Acta</i> , 2021, 374, 137912.	2.6	40
14	Defective PdRh bimetallic nanocrystals enable enhanced methanol electrooxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 616, 126323.	2.3	7
15	Facile synthesis of heterophase sponge-like Pd toward enhanced formic acid oxidation. <i>Electrochemistry Communications</i> , 2021, 126, 107004.	2.3	7
16	<i>In situ</i> self-assembled N-rich carbon on pristine graphene as a highly effective support and cocatalyst of short Pt nanoparticle chains for superior electrocatalytic activity toward methanol oxidation. <i>Nanoscale</i> , 2021, 13, 18332-18339.	2.8	12
17	Synthesis of Palladium-Tungsten Metallene-Constructed Sandwich-Like Nanosheets as Bifunctional Catalysts for Direct Formic Acid Fuel Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 12336-12344.	2.5	15
18	Naked-Eye Readout of Analyte-Induced NIR Fluorescence Responses by an Initiation-Input-Transduction Nanoplatfrom. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 695-699.	7.2	34

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19	Naked-Eye Readout of Analyte-Induced NIR Fluorescence Responses by an Initiation-Input-Transduction Nanoplatfrom. <i>Angewandte Chemie</i> , 2020, 132, 705-709.	1.6	11
20	Hollow cobalt oxide nanoparticles embedded porous reduced graphene oxide anode for high performance lithium ion batteries. <i>Applied Surface Science</i> , 2020, 508, 145311.	3.1	20
21	Tuning Pt-skinned PtAg nanotubes in nanoscales to efficiently modify electronic structure for boosting performance of methanol electrooxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118606.	10.8	83
22	Ultrafast synthesis of uniform 4-5 atoms-thin layered tremella-like Pd nanostructure with extremely large electrochemically active surface area for formic acid oxidation. <i>Journal of Power Sources</i> , 2020, 447, 227248.	4.0	56
23	Synthesis of hollow cobalt phosphide nanocrystals with ultrathin shells anchored on reduced graphene oxide as an electrocatalyst toward hydrogen evolution. <i>Applied Surface Science</i> , 2020, 506, 144975.	3.1	33
24	Holey graphene confined hollow nickel oxide nanocrystals for lithium ion storage. <i>Scripta Materialia</i> , 2020, 178, 187-192.	2.6	35
25	Tungsten-induced synthesis of defective palladium-copper-tungsten trimetallic nanochains to highly enhance activity for formic acid electrooxidation. <i>Materials Today Energy</i> , 2020, 18, 100558.	2.5	7
26	Layered and Heterostructured Pd/PdWCr Sheet-Assembled Nanoflowers as Highly Active and Stable Electrocatalysts for Formic Acid Oxidation. <i>Advanced Functional Materials</i> , 2020, 30, 2003933.	7.8	81
27	MicroRNA-Initiated and Intracellular Na <sup>+</sup> -Fueled DNAzyme Motor for Differentiating Molecular Subtypes of Nonsmall Cell Lung Cancer. <i>Analytical Chemistry</i> , 2020, 92, 7404-7408.	3.2	68
28	PdPb bimetallic nanowires as electrocatalysts for enhanced ethanol electrooxidation. <i>Science China Materials</i> , 2020, 63, 2040-2049.	3.5	34
29	Synthesis of hollow Co <sub>3</sub> O <sub>4</sub> nanocrystals in situ anchored on holey graphene for high rate lithium-ion batteries. <i>Carbon</i> , 2020, 163, 137-144.	5.4	98
30	DNA-based artificial molecular signaling system that mimics basic elements of reception and response. <i>Nature Communications</i> , 2020, 11, 978.	5.8	72
31	Simulation study of the spatter removal process and optimization design of gas flow system in laser powder bed fusion. <i>Additive Manufacturing</i> , 2020, 32, 101049.	1.7	18
32	Electrocatalysis of Pd-Er bimetallic catalysts for methanol oxidation in alkaline media. <i>Ionics</i> , 2020, 26, 3459-3464.	1.2	9
33	Controllable synthesis of zinc oxide nanoparticles embedded holey reduced graphene oxide nanocomposite as a high-performance anode for lithium-ion batteries. <i>Powder Technology</i> , 2020, 367, 774-781.	2.1	20
34	Perforated Pd Nanosheets with Crystalline/Amorphous Heterostructures as a Highly Active Robust Catalyst toward Formic Acid Oxidation. <i>Small</i> , 2019, 15, e1904245.	5.2	81
35	Fe <sup>3+</sup> -Fe <sub>2</sub> O <sub>3</sub> nanoparticles stabilized by holey reduced graphene oxide as a composite anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 633-638.	5.0	38
36	DNA-supramolecule conjugates in theranostics. <i>Theranostics</i> , 2019, 9, 3262-3279.	4.6	16

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37	Engineering Self-Calibrating Nanoprobes with Two-Photon-Activated Fluorescence Resonance Energy Transfer for Ratiometric Imaging of Biological Selenocysteine. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17722-17729.	4.0	24
38	Hierarchical zinc oxide/reduced graphene oxide composite: Preparation route, mechanism study and lithium ion storage. <i>Journal of Colloid and Interface Science</i> , 2019, 548, 233-243.	5.0	42
39	Engineering of Bioinspired, Size-Controllable, Self-Degradable Cancer-Targeting DNA Nanoflowers via the Incorporation of an Artificial Sandwich Base. <i>Journal of the American Chemical Society</i> , 2019, 141, 4282-4290.	6.6	133
40	ZIF-67-Derived CoSe/NC Composites as Anode Materials for Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2019, 14, 358.	3.1	42
41	Ion Exchange Synthesis of Cobalt Ion Modified Titanate Nanoarray as an Electrocatalyst toward Efficient Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 8946-8955.	2.5	2
42	Palladium-cobalt nanodots anchored on graphene: In-situ synthesis, and application as an anode catalyst for direct formic acid fuel cells. <i>Applied Surface Science</i> , 2019, 469, 305-311.	3.1	63
43	Twisted palladium-copper nanochains toward efficient electrocatalytic oxidation of formic acid. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 366-374.	5.0	68
44	Facile fabrication of stable PdCu clusters uniformly decorated on graphene as an efficient electrocatalyst for formic acid oxidation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2731-2740.	3.8	64
45	Ternary PtPdCu Multicubes as a Highly Active and Durable Catalyst toward the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 1345-1349.	1.7	18
46	A simple route to preparing $\text{Fe}^{3+}$ -Fe <sub>2</sub> O <sub>3</sub> /RGO composite electrode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4048-4054.	5.2	106
47	Galvanic exchange-formed ultra-low Pt loading on synthesized unique porous Ag-Pd nanotubes for increased active sites toward oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018, 263, 209-216.	2.6	22
48	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. <i>Journal of the American Chemical Society</i> , 2018, 140, 2-5.	6.6	43
49	mRNA-Initiated, Three-Dimensional DNA Amplifier Able to Function inside Living Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 258-263.	6.6	233
50	Ir-Alloyed Ultrathin Ternary PdIrCu Nanosheet-Constructed Flower with Greatly Enhanced Catalytic Performance toward Formic Acid Electrooxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41293-41298.	4.0	48
51	DNA-Based Dynamic Reaction Networks. <i>Trends in Biochemical Sciences</i> , 2018, 43, 547-560.	3.7	79
52	Synthesis of defect-rich palladium-tin alloy nanochain networks for formic acid oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 189-195.	5.0	92
53	Engineering a 3D DNA-Logic Gate Nanomachine for Bispecific Recognition and Computing on Target Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2018, 140, 9793-9796.	6.6	214
54	Carbon Monoxide-Templated Synthesis of Coral-Like Clean PtPd Nanochains as Efficient Oxygen Reduction Catalyst. <i>ChemElectroChem</i> , 2018, 5, 2403-2408.	1.7	18

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55	Self-Assembling PDDA on Graphene to Surfactant-Free Synthesize Uniform and Ultra-Small Pd Nanocrystals by Direct CO Reduction for Efficient Catalyst Toward Formic Acid Oxidation. <i>ChemistrySelect</i> , 2017, 2, 3110-3116.	0.7	0
56	Thermal treated 3D graphene as a highly efficient metal-free electrocatalyst toward oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 28278-28286.	3.8	13
57	Fluorinated molecular beacons as functional DNA nanomolecules for cellular imaging. <i>Chemical Science</i> , 2017, 8, 7082-7086.	3.7	22
58	Ultrasmall and uniform Pt <sub>3</sub> Au clusters strongly suppress Ostwald ripening for efficient ethanol oxidation. <i>Electrochemistry Communications</i> , 2017, 84, 1-5.	2.3	24
59	Smart Human Serum Albumin <sup>2</sup> O <sup>3</sup> Nanodrug with Self-Amplified Folate Receptor-Targeting Ability for Chronic Myeloid Leukemia Treatment. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10845-10849.	7.2	64
60	Growing Platinum-Ruthenium-Tin ternary alloy nanoparticles on reduced graphene oxide for strong ligand effect toward enhanced ethanol oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 135-143.	5.0	24
61	Graphene decorated with Pd <sub>4</sub> Ir nanocrystals: Ultrasound-assisted synthesis, and application as a catalyst for oxidation of formic acid. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 783-788.	5.0	28
62	Aptamer-Modified Semiconductor Quantum Dots for Biosensing Applications. <i>Sensors</i> , 2017, 17, 1736.	2.1	51
63	β-Fe <sub>2</sub> O <sub>3</sub> nanocrystals-anchored macro/meso-porous graphene as a highly efficient adsorbent toward removal of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 200-205.	5.0	72
64	Highly poison-resistant Pt nanocrystals on 3D graphene toward efficient methanol oxidation. <i>RSC Advances</i> , 2016, 6, 50726-50731.	1.7	15
65	An Efficient Electrocatalyst Derived from Bamboo Leaves for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2016, 3, 1466-1470.	1.7	14
66	Facile one-pot surfactant-free synthesis of uniform Pd <sub>6</sub> Co nanocrystals on 3D graphene as an efficient electrocatalyst toward formic acid oxidation. <i>Nanoscale</i> , 2016, 8, 1905-1909.	2.8	52
67	One-pot synthesis of small and uniform Au@PtCu core-alloy shell nanoparticles as an efficient electrocatalyst for direct methanol fuel cells. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 361-366.	10.8	57
68	Formic acid-reduced ultrasmall Pd nanocrystals on graphene to provide superior electrocatalytic activity and stability toward formic acid oxidation. <i>Nano Energy</i> , 2015, 11, 71-77.	8.2	131
69	DNA-Promoted Ultrasmall Palladium Nanocrystals on Carbon Nanotubes: Towards Efficient Formic Acid Oxidation. <i>ChemElectroChem</i> , 2014, 1, 72-75.	1.7	19
70	DNA-Functionalized Graphene to Guide Growth of Highly Active Pd Nanocrystals as Efficient Electrocatalyst for Direct Formic Acid Fuel Cells. <i>Advanced Energy Materials</i> , 2013, 3, 167-171.	10.2	193
71	DNA-Directed Growth of Pd Nanocrystals on Carbon Nanotubes towards Efficient Oxygen Reduction Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 15693-15698.	1.7	51
72	Convenient Approaches to 4-Trifluoromethylpyridine. <i>Organic Process Research and Development</i> , 2001, 5, 531-534.	1.3	22