

Ting-Ting Li

List of Publications by Year in descending order

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66
papers

2,935
citations

136740

32
h-index

174990

52
g-index

66
all docs

66
docs citations

66
times ranked

3472
citing authors

#	ARTICLE	IF	CITATIONS
1	Stringing Bimetallic Metal-Organic Framework-Derived Cobalt Phosphide Composite for High-Efficiency Overall Water Splitting. <i>Advanced Science</i> , 2020, 7, 1903195.	5.6	214
2	Chemical and morphological transformation of MOF-derived bimetallic phosphide for efficient oxygen evolution. <i>Nano Energy</i> , 2019, 62, 745-753.	8.2	189
3	Bottom-up synthesis of MOF-derived hollow N-doped carbon materials for enhanced ORR performance. <i>Carbon</i> , 2019, 146, 248-256.	5.4	177
4	Binary molecular-semiconductor p-n junctions for photoelectrocatalytic CO ₂ reduction. <i>Nature Energy</i> , 2019, 4, 290-299.	19.8	149
5	Incorporation of a [Ru(dcbpy)(bpy)] ²⁺ photosensitizer and a Pt(dcbpy)Cl ₂ catalyst into metal-organic frameworks for photocatalytic hydrogen evolution from aqueous solution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10386-10394.	5.2	131
6	Self-supported hierarchical CuO _x @Co ₃ O ₄ heterostructures as efficient bifunctional electrocatalysts for water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14431-14439.	5.2	121
7	Fe ₇ C ₃ nanoparticles with in situ grown CNT on nitrogen doped hollow carbon cube with greatly enhanced conductivity and ORR performance for alkaline fuel cell. <i>Carbon</i> , 2021, 174, 531-539.	5.4	100
8	Electrochemical Water Oxidation by <i>In Situ</i> -Generated Copper Oxide Film from [Cu(TEOA)(H ₂ O)] ₂ [SO ₄] Complex. <i>Inorganic Chemistry</i> , 2015, 54, 3061-3067.	1.9	81
9	CoMo carbide/nitride from bimetallic MOF precursors for enhanced OER performance. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 22268-22276.	3.8	78
10	Porphyrin and phthalocyanine based covalent organic frameworks for electrocatalysis. <i>Coordination Chemistry Reviews</i> , 2022, 464, 214563.	9.5	72
11	CuO Nanorod Arrays Shelled with Amorphous NiFe Layered Double Hydroxide Film for Enhanced Electrocatalytic Water Oxidation Activity. <i>ACS Applied Energy Materials</i> , 2018, 1, 1364-1373.	2.5	58
12	A bimetallic carbide derived from a MOF precursor for increasing electrocatalytic oxygen evolution activity. <i>Chemical Communications</i> , 2017, 53, 13027-13030.	2.2	57
13	Stable Molecular Photocathode for Solar-Driven CO ₂ Reduction in Aqueous Solutions. <i>ACS Energy Letters</i> , 2019, 4, 629-636.	8.8	54
14	Electrocatalytic water oxidation using a chair-like tetranuclear copper(ii) complex in a neutral aqueous solution. <i>Dalton Transactions</i> , 2016, 45, 12685-12690.	1.6	53
15	Hierarchical Cu ₂ S NRs@CoS core-shell structure and its derivative towards synergistic electrocatalytic water splitting. <i>Electrochimica Acta</i> , 2019, 296, 1035-1041.	2.6	53
16	Facile synthesis of porous CuO polyhedron from Cu-based metal organic framework (MOF-199) for electrocatalytic water oxidation. <i>RSC Advances</i> , 2016, 6, 77358-77365.	1.7	51
17	Surfactant-Mediated Morphological Evolution of MnCo Prussian Blue Structures. <i>Small</i> , 2020, 16, e2004614.	5.2	49
18	Co ₃ O ₄ nanosheet arrays treated by defect engineering for enhanced electrocatalytic water oxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2009-2017.	3.8	47

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19	Mn ₂ O ₃ Hollow Nanotube Arrays on Ni Foam as Efficient Supercapacitors and Electrocatalysts for Oxygen Evolution Reaction. ACS Applied Nano Materials, 2019, 2, 744-749.	2.4	43
20	Co ₃ O ₄ polyhedrons with enhanced electric conductivity as efficient water oxidation electrocatalysts in alkaline medium. Journal of Materials Science, 2018, 53, 4323-4333.	1.7	42
21	Construction of Hierarchically Structured CuO@CoP Anode for Efficient Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 11303-11312.	3.2	42
22	In Situ Growth of Tetrametallic FeCoMnNi-MOF-74 on Nickel Foam as Efficient Bifunctional Electrocatalysts for the Evolution Reaction of Oxygen and Hydrogen. Inorganic Chemistry, 2020, 59, 15467-15477.	1.9	41
23	Ultrathin nanosheets-assembled CuO flowers for highly efficient electrocatalytic water oxidation. Journal of Materials Science, 2018, 53, 8141-8150.	1.7	40
24	Robust Cage-Based Zinc-Organic Frameworks Derived Dual-Doped Carbon Materials for Supercapacitor. Crystal Growth and Design, 2018, 18, 2358-2364.	1.4	38
25	MOF-templated syntheses of porous Co ₃ O ₄ hollow spheres and micro-flowers for enhanced performance in supercapacitors. CrystEngComm, 2018, 20, 3812-3816.	1.3	38
26	Self-supported bimetallic phosphide-carbon nanostructures derived from metal-organic frameworks as bifunctional catalysts for highly efficient water splitting. Electrochimica Acta, 2019, 318, 244-251.	2.6	37
27	Electrocatalytic CO ₂ Reduction with a Ruthenium Catalyst in Solution and on Nanocrystalline TiO ₂ . ChemSusChem, 2019, 12, 2402-2408.	3.6	37
28	Construction of a C@MoS ₂ @C sandwiched heterostructure for accelerating the pH-universal hydrogen evolution reaction. Chemical Communications, 2020, 56, 13393-13396.	2.2	37
29	Metal-Organic Frameworks-Derived Self-Supported Carbon-Based Composites for Electrocatalytic Water Splitting. Chemistry - A European Journal, 2021, 27, 15866-15888.	1.7	35
30	A Silicon-Based Heterojunction Integrated with a Molecular Excited State in a Water-Splitting Tandem Cell. Journal of the American Chemical Society, 2019, 141, 10390-10398.	6.6	34
31	Abundant Co-N _x sites onto hollow MOF-Derived nitrogen-doped carbon materials for enhanced oxygen reduction. Journal of Power Sources, 2021, 492, 229632.	4.0	34
32	Construction of hierarchical Mo ₂ C nanoparticles onto hollow N-doped carbon polyhedrons for efficient hydrogen evolution reaction. Electrochimica Acta, 2019, 321, 134680.	2.6	33
33	Generally transform 3-dimensional In-based metal-organic frameworks into 2-dimensional Co,N-doped carbon nanosheets for Zn-air battery. Journal of Power Sources, 2019, 440, 227158.	4.0	33
34	Structural and Morphological Conversion between Two Co-Based MOFs for Enhanced Water Oxidation. Inorganic Chemistry, 2020, 59, 2701-2710.	1.9	33
35	Thermal conversion of hollow nickel-organic framework into bimetallic FeNi ₃ alloy embedded in carbon materials as efficient oer electrocatalyst. Electrochimica Acta, 2020, 354, 136716.	2.6	31
36	A pyrene-modified cobalt salophen complex immobilized on multiwalled carbon nanotubes acting as a precursor for efficient electrocatalytic water oxidation. Dalton Transactions, 2017, 46, 13020-13026.	1.6	30

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37	Bottom-up preparation of hierarchically porous MOF-modified carbon sphere derivatives for efficient oxygen reduction. <i>Nanoscale</i> , 2020, 12, 8785-8792.	2.8	30
38	Photochemical, Electrochemical, and Photoelectrochemical Water Oxidation Catalyzed by Water-Soluble Mononuclear Ruthenium Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 13957-13964.	1.7	29
39	Paintbrush-like Co doped Cu ₃ P grown on Cu foam as an efficient janus electrode for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28833-28840.	3.8	29
40	Highly Selective and Active Electrochemical Reduction of CO ₂ to CO on a Polymeric Co(II) Phthalocyanine@Graphitic Carbon Nitride Nanosheet-Carbon Nanotube Composite. <i>Inorganic Chemistry</i> , 2020, 59, 14184-14192.	1.9	29
41	In-MOF-derived ultrathin heteroatom-doped carbon nanosheets for improving oxygen reduction. <i>Nanoscale</i> , 2020, 12, 10019-10025.	2.8	29
42	Rational construction of ultrafine noble metals onto carbon nanoribbons with efficient oxygen reduction in practical alkaline fuel cell. <i>Chemical Engineering Journal</i> , 2021, 424, 130336.	6.6	29
43	Porous Co ₃ O ₄ nanoparticles derived from a Co(<i>scpp</i>)-cyclohexanecarboxylate metal-organic framework and used in a supercapacitor with good cycling stability. <i>RSC Advances</i> , 2016, 6, 86447-86454.	1.7	28
44	Cube-shaped metal-nitrogen-carbon derived from metal-ammonia complex-impregnated metal-organic framework for highly efficient oxygen reduction reaction. <i>Carbon</i> , 2020, 158, 719-727.	5.4	27
45	MOF-on-MOF Strategy to Construct a Nitrogen-Doped Carbon-Incorporated CoP@Fe-CoP Core-Shelled Heterostructure for High-Performance Overall Water Splitting. <i>Inorganic Chemistry</i> , 2022, 61, 1159-1168.	1.9	26
46	Electrodeposition of a cobalt phosphide film for the enhanced photoelectrochemical water oxidation with Fe ₂ O ₃ photoanode. <i>Electrochimica Acta</i> , 2019, 307, 92-99.	2.6	24
47	Normal-pulse-voltage-assisted <i>in situ</i> fabrication of graphene-wrapped MOF-derived CuO nanoflowers for water oxidation. <i>Chemical Communications</i> , 2020, 56, 8750-8753.	2.2	24
48	MOF-derived three-dimensional ordered porous carbon nanomaterial for efficient alkaline zinc-air batteries. <i>Science China Materials</i> , 2022, 65, 1453-1462.	3.5	24
49	Construction of a polymeric cobalt phthalocyanine@mesoporous graphitic carbon nitride composite for efficient photocatalytic CO ₂ reduction. <i>Chemical Communications</i> , 2021, 57, 6987-6990.	2.2	22
50	Silica-Templated Metal Organic Framework-Derived Hierarchically Porous Cobalt Oxide in Nitrogen-Doped Carbon Nanomaterials for Electrochemical Glucose Sensing. <i>ChemElectroChem</i> , 2021, 8, 812-818.	1.7	20
51	Charge Transfer from Upconverting Nanocrystals to Semiconducting Electrodes: Optimizing Thermodynamic Outputs by Electronic Energy Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 463-471.	6.6	19
52	CuCo ₂ S ₄ integrated multiwalled carbon nanotube as high-performance electrocatalyst for electroreduction of nitrogen to ammonia. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14640-14647.	3.8	17
53	Self-supported N-Doped Carbon@NiXCo ₂ -XP core-shell nanorod arrays on 3D Ni foam for boosted hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36046-36055.	3.8	16
54	Differentiated Oxygen Evolution Behavior in MOF-Derived Oxide Nanomaterials Induced by Phase Transition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55454-55462.	4.0	16

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55	Abundant nanotube coated ordered macroporous carbon matrix with enhanced electrocatalytic activity. <i>Journal of Power Sources</i> , 2020, 467, 228302.	4.0	15
56	Ultrasmall Mo ₂ C in N-doped carbon material from bimetallic ZnMo-MOF for efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2182-2190.	3.8	15
57	Electrochemical evolution of cobalt-carboxylate framework for efficient water oxidation. <i>Journal of Power Sources</i> , 2021, 499, 229947.	4.0	15
58	Manganese oxide with hollow rambutan-like morphology as highly efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2999-3007.	1.2	12
59	CeO ₂ decorated bimetallic phosphide nanowire arrays for enhanced oxygen evolution reaction electrocatalysis via interface engineering. <i>Dalton Transactions</i> , 2022, 51, 2923-2931.	1.6	12
60	Variable HOF-derived carbon-coated cobalt phosphide for electrocatalytic oxygen evolution. <i>Carbon</i> , 2022, 196, 457-465.	5.4	11
61	Methylation-Induced Reversible Metallic-Semiconducting Transition of Single-Walled Carbon Nanotube Arrays for High-Performance Field-Effect Transistors. <i>Nano Letters</i> , 2020, 20, 496-501.	4.5	10
62	Covalent bonding photosensitizer-catalyst dyads of ruthenium-based complexes designed for enhanced visible-light-driven water oxidation performance. <i>Transition Metal Chemistry</i> , 2019, 44, 349-354.	0.7	4
63	Improved performance of photoelectrochemical water oxidation from nanostructured hematite photoanode with an immobilized molecular cobalt salophen catalyst. <i>Journal of Materials Science</i> , 2020, 55, 12864-12875.	1.7	4
64	Carbon Nanotubes Grown on CuO Nanoparticle-Decorated Porous Carbon Microparticles for Water Oxidation. <i>ACS Applied Nano Materials</i> , 2021, 4, 12119-12126.	2.4	4
65	Influence of Surface and Structural Variations in Donor-Acceptor-Donor Sensitizers on Photoelectrocatalytic Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47499-47510.	4.0	3
66	Frontispiece: Metal-Organic Frameworks-Derived Self-Supported Carbon-Based Composites for Electrocatalytic Water Splitting. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0