

Rongji Liu

List of Publications by Year in descending order

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64
papers

3,650
citations

126907

33
h-index

133252

59
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64
all docs

64
docs citations

64
times ranked

4829
citing authors

#	ARTICLE	IF	CITATIONS
1	Host-guest molecular interaction promoted urea electrosynthesis over a precisely designed conductive metal-organic framework. <i>Energy and Environmental Science</i> , 2022, 15, 2084-2095.	30.8	73
2	Artificial frustrated Lewis pairs facilitating the electrochemical N ₂ and CO ₂ conversion to urea. <i>Chem Catalysis</i> , 2022, 2, 309-320.	6.1	89
3	Electrocatalytic Oxygen Evolution by Hierarchically Structured Cobalt-Iron Composites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19048-19054.	8.0	13
4	Polyoxometalate-Single Atom Catalysts (POM-SACs) in Energy Research and Catalysis. <i>Advanced Energy Materials</i> , 2021, 11, 2101120.	19.5	57
5	High Proton Conductivity in Covalently Linked Polyoxometalate-Organoboronic Acid Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16953-16957.	13.8	50
6	High Proton Conductivity in Covalently Linked Polyoxometalate-Organoboronic Acid Polymers. <i>Angewandte Chemie</i> , 2021, 133, 17090-17094.	2.0	5
7	Self-Activation of a Polyoxometalate-Derived Composite Electrocatalyst for the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2021, 4, 12671-12676.	5.1	25
8	Highly selective electroreduction of N ₂ and CO ₂ to urea over artificial frustrated Lewis pairs. <i>Energy and Environmental Science</i> , 2021, 14, 6605-6615.	30.8	130
9	Cobalt Nanoparticles and Atomic Sites in Nitrogen-Doped Carbon Frameworks for Highly Sensitive Sensing of Hydrogen Peroxide. <i>Small</i> , 2020, 16, e1902860.	10.0	38
10	Top-down synthesis of polyoxometalate-like sub-nanometer molybdenum-oxo clusters as high-performance electrocatalysts. <i>Chemical Science</i> , 2020, 11, 1043-1051.	7.4	21
11	Bottom-up Design of Bimetallic Cobalt-Molybdenum Carbides/Oxides for Overall Water Splitting. <i>Chemistry - A European Journal</i> , 2020, 26, 4157-4164.	3.3	33
12	Polyoxometalate-like sub-nanometer molybdenum(ν)-oxo clusters for sensitive, selective and stable H ₂ O ₂ sensing. <i>Chemical Communications</i> , 2020, 56, 9465-9468.	4.1	8
13	Br/Co/N Co-doped porous carbon frameworks with enriched defects for high-performance electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10865-10874.	10.3	47
14	Efficient Tetra-Functional Electrocatalyst with Synergetic Effect of Different Active Sites for Multi-Model Energy Conversion and Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23017-23027.	8.0	12
15	Bimetallic manganese-vanadium functionalized N,S-doped carbon nanotubes as efficient oxygen evolution and oxygen reduction electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119195.	20.2	76
16	Polyoxometalates on Functional Substrates: Concepts, Synergies, and Future Perspectives. <i>Advanced Science</i> , 2020, 7, 1903511.	11.2	129
17	A 3d-printed composite electrode for sustained electrocatalytic oxygen evolution. <i>Chemical Communications</i> , 2020, 56, 8476-8479.	4.1	7
18	Bulk Nanostructuring of Janus-Type Metal Electrodes. <i>Chemistry - A European Journal</i> , 2020, 26, 11109-11112.	3.3	4

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19	Transition-Metal Oxides/Carbides@Carbon Nanotube Composites as Multifunctional Electrocatalysts for Challenging Oxidations and Reductions. <i>Chemistry - A European Journal</i> , 2019, 25, 11098-11104.	3.3	28
20	Modular development of metal oxide/carbon composites for electrochemical energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13096-13102.	10.3	22
21	Modular Design of Noble-Metal-Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4644-4648.	13.8	182
22	Modular Design of Noble-Metal-Free Mixed Metal Oxide Electrocatalysts for Complete Water Splitting. <i>Angewandte Chemie</i> , 2019, 131, 4692-4696.	2.0	19
23	Atomic Co/Ni dual sites and Co/Ni alloy nanoparticles in N-doped porous Janus-like carbon frameworks for bifunctional oxygen electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 112-121.	20.2	334
24	Simple and efficient polyoxomolybdate-mediated synthesis of novel graphene and metal nanohybrids for versatile applications. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 507-516.	9.4	14
25	Manganese Vanadium Oxide@N-Doped Reduced Graphene Oxide Composites as Oxygen Reduction and Oxygen Evolution Electrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44511-44517.	8.0	62
26	An overall water-splitting polyoxometalate catalyst for the electromicrobial conversion of CO ₂ in neutral water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9915-9921.	10.3	27
27	Cobalt Single Atoms Immobilized N-Doped Carbon Nanotubes for Enhanced Bifunctional Catalysis toward Oxygen Reduction and Oxygen Evolution Reactions. <i>ACS Applied Energy Materials</i> , 2018, 1, 3283-3291.	5.1	90
28	Photochemical and electrochemical hydrogen evolution reactivity of lanthanide-functionalized polyoxotungstates. <i>Chemical Communications</i> , 2018, 54, 10427-10430.	4.1	75
29	Controlled Synthesis of Silver Micro/Nano Leaves for Oxygen Reduction and CO ₂ Reduction. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5763-5769.	0.9	0
30	High Oxygen Reduction Reaction Performances of Cathode Materials Combining Polyoxometalates, Coordination Complexes, and Carbonaceous Supports. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38486-38498.	8.0	48
31	Boron Doped ZIF-67@Graphene Derived Carbon Electrocatalyst for Highly Efficient Enzyme-Free Hydrogen Peroxide Biosensor. <i>Advanced Materials Technologies</i> , 2017, 2, 1700224.	5.8	22
32	Biosensors: Boron Doped ZIF-67@Graphene Derived Carbon Electrocatalyst for Highly Efficient Enzyme-Free Hydrogen Peroxide Biosensor (<i>Adv. Mater. Technol.</i> 12/2017). <i>Advanced Materials Technologies</i> , 2017, 2, 1770058.	5.8	4
33	Highly efficient electrochemically driven water oxidation by graphene-supported mixed-valent Mn ¹⁶ -containing polyoxometalate. <i>Green Energy and Environment</i> , 2016, 1, 138-143.	8.7	17
34	Mixed-Valent Mn ¹⁶ -Containing Heteropolyanions: Tuning of Oxidation State and Associated Physicochemical Properties. <i>Inorganic Chemistry</i> , 2016, 55, 2755-2764.	4.0	25
35	Enhanced proton and electron reservoir abilities of polyoxometalate grafted on graphene for high-performance hydrogen evolution. <i>Energy and Environmental Science</i> , 2016, 9, 1012-1023.	30.8	138
36	Heteroatom doped graphdiyne as efficient metal-free electrocatalyst for oxygen reduction reaction in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4738-4744.	10.3	139

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37	Photocatalytic Reduction Synthesis of Ternary Ag Nanoparticles/Polyoxometalate/Graphene Nanohybrids and Its Activity in the Electrocatalysis of Oxygen Reduction. <i>Journal of Cluster Science</i> , 2016, 27, 241-256.	3.3	12
38	A flavone-based turn-on fluorescent probe for intracellular cysteine/homocysteine sensing with high selectivity. <i>Talanta</i> , 2016, 146, 41-48.	5.5	29
39	Sequential Synthesis of 3d, 4d, and 5d Hybrid Polyoxometalates and Application to Electrocatalytic Oxygen Reduction Reactions. <i>Chemistry - A European Journal</i> , 2015, 21, 12153-12160.	3.3	26
40	Electrocatalysts: Bottom-Up Construction of Triazine-Based Frameworks as Metal-Free Electrocatalysts for Oxygen Reduction Reaction (<i>Adv. Mater.</i> 20/2015). <i>Advanced Materials</i> , 2015, 27, 3189-3189.	21.0	6
41	Solvatochromic Fluorescence Emission of an Anthranol Derivative without Typical Donor-Acceptor Structure: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2761-2769.	3.1	15
42	Bottom-Up Construction of Triazine-Based Frameworks as Metal-Free Electrocatalysts for Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2015, 27, 3190-3195.	21.0	167
43	Electrochemical-reduction-assisted assembly of ternary Ag nanoparticles/polyoxometalate/graphene nanohybrids and their activity in the electrocatalysis of oxygen reduction. <i>RSC Advances</i> , 2015, 5, 74447-74456.	3.6	38
44	Polyoxometalate-Mediated Green Synthesis of Graphene and Metal Nanohybrids: High-Performance Electrocatalysts. <i>Journal of Cluster Science</i> , 2014, 25, 711-740.	3.3	28
45	Artificial photosynthesis for solar hydrogen generation over transition-metal substituted Keggin-type titanium tungstate. <i>New Journal of Chemistry</i> , 2014, 38, 1315-1320.	2.8	17
46	Graphene-CdS quantum dots-polyoxometalate composite films for efficient photoelectrochemical water splitting and pollutant degradation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26016-26023.	2.8	27
47	Design and optical investigations of a spironaphthoxazine/polyoxometalate/spiropyran triad. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4748-4758.	5.5	41
48	Multinuclear Cobalt(II)-Containing Heteropolytungstates: Structure, Magnetism, and Electrochemistry. <i>Inorganic Chemistry</i> , 2014, 53, 5179-5188.	4.0	42
49	Nitrogen-doped graphdiyne as a metal-free catalyst for high-performance oxygen reduction reactions. <i>Nanoscale</i> , 2014, 6, 11336-11343.	5.6	229
50	Surface-phase junctions of branched TiO ₂ nanorod arrays for efficient photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 296-300.	20.2	86
51	Polyoxometalate-mediated green synthesis of a 2D silver nanonet/graphene nanohybrid as a synergistic catalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11961.	10.3	75
52	Self-assembly of CdS quantum dots with polyoxometalate encapsulated gold nanoparticles: enhanced photocatalytic activities. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1488-1494.	10.3	64
53	First Examples of Hybrids Based on Graphene and a Ring-Shaped Macrocyclic Polyoxometalate: Synthesis, Characterization, and Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1882-1889.	2.0	12
54	Carbon quantum dots as novel sensitizers for photoelectrochemical solar hydrogen generation and their size-dependent effect. <i>Nanotechnology</i> , 2013, 24, 335401.	2.6	58

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55	High nuclearity Co polyoxometalate based artificial photosynthesis for solar hydrogen generation. International Journal of Hydrogen Energy, 2013, 38, 9954-9960.	7.1	20
56	Polyoxometalate@CdS quantum dots co-sensitized TiO2 nanorods array: enhanced charge separation and light to electricity conversion efficiency. RSC Advances, 2013, 3, 8351.	3.6	14
57	Controlled synthesis of CdS micro/nano leaves with (0001) facets exposed: enhanced photocatalytic activity toward hydrogen evolution. Journal of Materials Chemistry, 2012, 22, 23815.	6.7	83
58	Controlled synthesis of double-shelled CeO2 hollow spheres and enzyme-free electrochemical bio-sensing properties for uric acid. Journal of Materials Chemistry, 2012, 22, 17079.	6.7	38
59	A general green strategy for fabricating metal nanoparticles/polyoxometalate/graphene tri-component nanohybrids: enhanced electrocatalytic properties. Journal of Materials Chemistry, 2012, 22, 3319.	6.7	73
60	Facile Synthesis of Au@Nanoparticle/Polyoxometalate/Graphene Tricomponent Nanohybrids: An Enzyme-Free Electrochemical Biosensor for Hydrogen Peroxide. Small, 2012, 8, 1398-1406.	10.0	228
61	Îµ-Keggin-based coordination networks: Synthesis, structure and application toward green synthesis of polyoxometalate@graphene hybrids. Dalton Transactions, 2012, 41, 9989.	3.3	47
62	Polyoxometalate-Assisted Galvanic Replacement Synthesis of Silver Hierarchical Dendritic Structures. Crystal Growth and Design, 2011, 11, 3424-3431.	3.0	34
63	Facile synthesis of a Ag nanoparticle/polyoxometalate/carbon nanotube tri-component hybrid and its activity in the electrocatalysis of oxygen reduction. Journal of Materials Chemistry, 2011, 21, 14917.	6.7	78
64	Molecular Iron Oxide Clusters Boost the Oxygen Reduction Reaction of Platinum Electrocatalysts at Near-Neutral pH. Angewandte Chemie, 0, , .	2.0	0