

Guang Liu

List of Publications by Year in descending order

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34
papers

1,303
citations

331670

21
h-index

395702

33
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all docs

35
docs citations

35
times ranked

1644
citing authors

#	ARTICLE	IF	CITATIONS
1	Amorphous NiFeB nanoparticles realizing highly active and stable oxygen evolving reaction for water splitting. <i>Nano Research</i> , 2018, 11, 1664-1675.	10.4	129
2	Fabrication of mesoporous NiFe ₂ O ₄ nanorods as efficient oxygen evolution catalyst for water splitting. <i>Electrochimica Acta</i> , 2016, 211, 871-878.	5.2	117
3	Uniformly mesoporous NiO/NiFe ₂ O ₄ biphasic nanorods as efficient oxygen evolving catalyst for water splitting. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17976-17986.	7.1	106
4	3D porous network heterostructure NiCe@NiFe electrocatalyst for efficient oxygen evolution reaction at large current densities. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118199.	20.2	100
5	Encapsulation of Ni/Fe ₃ O ₄ heterostructures inside onion-like N-doped carbon nanorods enables synergistic electrocatalysis for water oxidation. <i>Nanoscale</i> , 2018, 10, 3997-4003.	5.6	75
6	Loading FeOOH on Ni(OH) ₂ hollow nanorods to obtain a three-dimensional sandwich catalyst with strong electron interactions for an efficient oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 983-990.	5.6	69
7	Mixed-metal MOF-derived Co-doped Ni ₃ C/Ni NPs embedded in carbon matrix as an efficient electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24572-24579.	7.1	63
8	Mesoporous nickel-iron binary oxide nanorods for efficient electrocatalytic water oxidation. <i>Nano Research</i> , 2017, 10, 2096-2105.	10.4	57
9	Realizing high performance solar water oxidation for Ti-doped hematite nanoarrays by synergistic decoration with ultrathin cobalt-iron phosphate nanolayers. <i>Chemical Engineering Journal</i> , 2019, 355, 49-57.	12.7	56
10	Ultrasmall NiFe-Phosphate Nanoparticles Incorporated γ -Fe ₂ O ₃ Nanoarrays Photoanode Realizing High Efficient Solar Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2353-2361.	6.7	50
11	Amorphous CoFeBO nanoparticles as highly active electrocatalysts for efficient water oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6138-6149.	7.1	46
12	Amorphous iron-nickel phosphide nanocone arrays as efficient bifunctional electrodes for overall water splitting. <i>Green Energy and Environment</i> , 2021, 6, 496-505.	8.7	42
13	Enhancing the water oxidation activity of Ni ₂ P nanocatalysts by iron-doping and electrochemical activation. <i>Electrochimica Acta</i> , 2017, 253, 498-505.	5.2	40
14	Synergistic Assembly of a CoS@NiFe/Ni Foam Heterostructure Electrocatalyst for Efficient Water Oxidation Catalysis at Large Current Densities. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1484-1492.	3.3	32
15	Amorphous CoFeP/NC hybrids as highly efficient electrocatalysts for water oxidation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30196-30207.	7.1	30
16	Strengthen metal-oxygen covalency of CoFe-layered double hydroxide for efficient mild oxygen evolution. <i>Nano Research</i> , 2022, 15, 162-169.	10.4	29
17	Fabrication of Fe-doped Co ₂ P nanoparticles as efficient electrocatalyst for electrochemical and photoelectrochemical water oxidation. <i>Electrochimica Acta</i> , 2018, 283, 1490-1497.	5.2	27
18	Porous versus Compact Hematite Nanorod Photoanode for High-Performance Photoelectrochemical Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11377-11385.	6.7	26

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19	BiVO ₄ photoanode decorated with cobalt-manganese layered double hydroxides for enhanced photoelectrochemical water oxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31902-31912.	7.1	26
20	Three-dimensional self-supporting catalyst with NiFe alloy/oxyhydroxide supported on high-surface cobalt hydroxide nanosheet array for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 873-883.	9.4	26
21	Ti-doped hematite photoanode with surface phosphate ions functionalization for synergistic enhanced photoelectrochemical water oxidation. <i>Electrochimica Acta</i> , 2019, 307, 197-205.	5.2	25
22	Preparation of a Bimetallic NiFe@MOF on Nickel Foam as a Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>ChemistrySelect</i> , 2021, 6, 1320-1327.	1.5	20
23	Cu _{2-x} Se@CuO core-shell assembly grew on copper foam for efficient oxygen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 31979-31986.	7.1	17
24	Preparation of a Dual@MOF Heterostructure (ZIF@MIL) for Enhanced Oxygen Evolution Reaction Activity. <i>Chemistry - an Asian Journal</i> , 2021, 16, 64-71.	3.3	16
25	Rational introduction of S and P in multi-stage electrocatalyst to drive a large-current-density water oxidation reaction and overall water splitting. <i>Journal of Power Sources</i> , 2022, 518, 230757.	7.8	14
26	Autogenous growth of highly active bifunctional Ni@Fe ₂ B nanosheet arrays toward efficient overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8303-8313.	7.1	14
27	Phosphate ions-functionalized and wettability-tuned nickel ferrite for boosted oxygen evolution performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 26992-27000.	7.1	13
28	Bimetallic Cu@Co@Se Nanotube Arrays Assembled on 3D Framework: an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>ChemSusChem</i> , 2021, 14, 5065-5074.	6.8	13
29	In situ growth Fe and V co-doped Ni ₃ S ₂ for efficient oxygen evolution reaction at large current densities. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 14422-14431.	7.1	11
30	NC/Ni@Co ₃ O ₄ @Co _{1-x} S Nanosheet Prepared from Metal Organic Framework for Highly Efficient Overall Water Splitting. <i>Catalysis Letters</i> , 2023, 153, 779-789.	2.6	3
31	A phosphorus-doped potassium peroxytitanate electrocatalyst with enriched oxygen vacancies boosts electrocatalytic nitrogen reduction to ammonia. <i>Dalton Transactions</i> , 2022, 51, 11163-11168.	3.3	3
32	Boosting the Photoactivity of BiVO ₄ Photoanodes by a ZnCoFe@LDH Thin Layer for Water Oxidation. <i>Chemistry - an Asian Journal</i> , 2021, 16, 4095-4102.	3.3	2
33	Boosting electrochemical nitrogen reduction to ammonia with high efficiency using a LiNb ₃ O ₈ electrocatalyst in neutral media. <i>Dalton Transactions</i> , 2022, 51, 1131-1136.	3.3	1
34	Amorphous CoV Phosphate Nanosheets as Efficient Oxygen Evolution Electrocatalyst. <i>Chemistry - an Asian Journal</i> , 2022, , .	3.3	1