Guang Liu

List of Publications by Year
in descending order

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34	1,303	331538 21	395590 33
papers	citations	h-index	g-index

35	35	35	1644
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Amorphous NiFeB nanoparticles realizing highly active and stable oxygen evolving reaction for water splitting. Nano Research, 2018, 11, 1664-1675.	5.8	129
2	Fabrication of mesoporous NiFe2O4 nanorods as efficient oxygen evolution catalyst for water splitting. Electrochimica Acta, 2016, 211, 871-878.	2.6	117
3	Uniformly mesoporous NiO/NiFe2O4 biphasic nanorods as efficient oxygen evolving catalyst for water splitting. International Journal of Hydrogen Energy, 2016, 41, 17976-17986.	3.8	106
4	3D porous network heterostructure NiCe@NiFe electrocatalyst for efficient oxygen evolution reaction at large current densities. Applied Catalysis B: Environmental, 2020, 260, 118199.	10.8	100
5	Encapsulation of Ni/Fe₃O₄ heterostructures inside onion-like N-doped carbon nanorods enables synergistic electrocatalysis for water oxidation. Nanoscale, 2018, 10, 3997-4003.	2.8	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. Nanoscale, 2020, 12, 983-990.	2.8	69
7	Mixed-metal MOF-derived Co-doped Ni3C/Ni NPs embedded in carbon matrix as an efficient electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 24572-24579.	3.8	63
8	Mesoporous nickelâ€“iron binary oxide nanorods for efficient electrocatalytic water oxidation. Nano Research, 2017, 10, 2096-2105.	5.8	57
9	Realizing high performance solar water oxidation for Ti-doped hematite nanoarrays by synergistic decoration with ultrathin cobalt-iron phosphate nanolayers. Chemical Engineering Journal, 2019, 355, 49-57.	6.6	56
10	Ultrasmall NiFe-Phosphate Nanoparticles Incorporated Î±-Fe₂O₃ Nanoarrays Photoanode Realizing High Efficient Solar Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 2353-2361.	3.2	50
11	Amorphous CoFeBO nanoparticles as highly active electrocatalysts for efficient water oxidation reaction. International Journal of Hydrogen Energy, 2018, 43, 6138-6149.	3.8	46
12	Amorphous iron-nickel phosphide nanocone arrays as efficient bifunctional electrodes for overall water splitting. Green Energy and Environment, 2021, 6, 496-505.	4.7	42
13	Enhancing the water oxidation activity of Ni2P nanocatalysts by iron-doping and electrochemical activation. Electrochimica Acta, 2017, 253, 498-505.	2.6	40
14	Synergistic Assembly of a CoS@NiFe/Ni Foam Heterostructure Electrocatalyst for Efficient Water Oxidation Catalysis at Large Current Densities. Chemistry - an Asian Journal, 2020, 15, 1484-1492.	1.7	32
15	Amorphous CoFeP/NC hybrids as highly efficient electrocatalysts for water oxidation. International Journal of Hydrogen Energy, 2019, 44, 30196-30207.	3.8	30
16	Strengthen metal-oxygen covalency of CoFe-layered double hydroxide for efficient mild oxygen evolution. Nano Research, 2022, 15, 162-169.	5.8	29
17	Fabrication of Fe-doped Co2P nanoparticles as efficient electrocatalyst for electrochemical and photoelectrochemical water oxidation. Electrochimica Acta, 2018, 283, 1490-1497.	2.6	27
18	Porous versus Compact Hematite Nanorod Photoanode for High-Performance Photoelectrochemical Water Oxidation. ACS Sustainable Chemistry and Engineering, 2019, 7, 11377-11385.	3.2	26

#	Article	IF	Citations
19	BiVO4 photoanode decorated with cobalt-manganese layered double hydroxides for enhanced photoelectrochemical water oxidation. International Journal of Hydrogen Energy, 2020, 45, 31902-31912.	3.8	26
20	Three-dimensional self-supporting catalyst with NiFe alloy/oxyhydroxide supported on high-surface cobalt hydroxide nanosheet array for overall water splitting. Journal of Colloid and Interface Science, 2022, 606, 873-883.	5.0	26
21	Ti-doped hematite photoanode with surface phosphate ions functionalization for synergistic enhanced photoelectrochemical water oxidation. Electrochimica Acta, 2019, 307, 197-205.	2.6	25
22	Preparation of a Bimetallic NiFeâ€MOF on Nickel Foam as a Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. ChemistrySelect, 2021, 6, 1320-1327.	0.7	20
23	Cu2-xSe@CuO core-shell assembly grew on copper foam for efficient oxygen evolution. International Journal of Hydrogen Energy, 2019, 44, 31979-31986.	3.8	17
24	Preparation of a Dualâ€MOF Heterostructure (ZIF@MIL) for Enhanced Oxygen Evolution Reaction Activity. Chemistry - an Asian Journal, 2021, 16, 64-71.	1.7	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. Journal of Power Sources, 2022, 518, 230757.	4.0	14
26	Autogenous growth of highly active bifunctional Niâ€“Fe2B nanosheet arrays toward efficient overall water splitting. International Journal of Hydrogen Energy, 2022, 47, 8303-8313.	3.8	14
27	Phosphate ions-functionalized and wettability-tuned nickel ferrite for boosted oxygen evolution performance. International Journal of Hydrogen Energy, 2019, 44, 26992-27000.	3.8	13
28	Bimetallic Cuâ^'Coâ^'Se Nanotube Arrays Assembled on 3D Framework: an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. ChemSusChem, 2021, 14, 5065-5074.	3.6	13
29	In situ growth Fe and V co-doped Ni3S2 for efficient oxygen evolution reaction at large current densities. International Journal of Hydrogen Energy, 2022, 47, 14422-14431.	3.8	11
30	NC/Niâ€“Co3O4@Co1â^'xS Nanosheet Prepared from Metal Organic Framework for Highly Efficient Overall Water Splitting. Catalysis Letters, 2023, 153, 779-789.	1.4	3
31	A phosphorus-doped potassium peroxyniobate electrocatalyst with enriched oxygen vacancies boosts electrocatalytic nitrogen reduction to ammonia. Dalton Transactions, 2022, 51, 11163-11168.	1.6	3
32	Boosting the Photoactivity of BiVO₄ Photoanodes by a ZnCoFeâ€LDH Thin Layer for Water Oxidation. Chemistry - an Asian Journal, 2021, 16, 4095-4102.	1.7	2
33	Boosting electrochemical nitrogen reduction to ammonia with high efficiency using a LiNb₃O₈ electrocatalyst in neutral media. Dalton Transactions, 2022, 51, 1131-1136.	1.6	1
34	Amorphous CoV Phosphate Nanosheets as Efficient Oxygen Evolution Electrocatalyst. Chemistry - an Asian Journal, 2022, , .	1.7	1