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Iron-facilitated dynamic active-site generation on spinel CoAl₂O₄ with self-termination of surface reconstruction for water oxidation

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89	Probing the Activity Origin of the Enhanced Methanol Electrooxidation on Ni-induced PdNix(OH)y-TaN/C Catalyst with Nitrogen Vacancies. 2022 , 122142	0
88	Current and future trends for spinel-type electrocatalysts in electrocatalytic oxygen evolution reaction. 2023 , 475, 214869	6
87	Boosting catalyst activity with high valency metal species through Fe doping on normal spinel NiCr2O4 for superior water oxidation. 2023 , 609, 155326	1
86	Electrochemical hydroxidation of sulfide for preparing sulfur-doped NiFe (oxy) hydroxide towards efficient oxygen evolution reaction. 2023 , 454, 140030	1
85	A new operando surface restructuring pathway via ion-pairing of catalyst and electrolyte for water oxidation. 2023 , 454, 140071	O

84	Efficient Ternary Mn-Based Spinel Oxide with Multiple Active Sites for Oxygen Evolution Reaction Discovered via High-Throughput Screening Methods. 2204520	O
83	Efficient Electrochemical Generation of Active Chlorine to Mediate Urea and Ammonia Oxidation in a Hierarchically Porous-Ru/RuO2-based Flow Reactor. 2022 , 130327	O
82	Balancing Activity and Stability in Spinel Cobalt Oxides through Geometrical Sites Occupation towards Efficient Electrocatalytic Oxygen Evolution.	O
81	Balancing Activity and Stability in Spinel Cobalt Oxides through Geometrical Sites Occupation towards Efficient Electrocatalytic Oxygen Evolution.	O
80	Reconstructured Electrocatalysts during Oxygen Evolution Reaction under Alkaline Electrolytes.	О
79	Modulation to favorable surface adsorption energy for oxygen evolution reaction intermediates over carbon-tunable alloys towards sustainable hydrogen production.	O
78	Lattice oxygen-mediated Ni-O-O-M formation for efficient oxygen evolution reaction in MOF@LDH core-shell structures. 2022 , 140403	O
77	Amorphous CoFeB nanosheets with plasmon-regulated dynamic active sites for electrocatalytic water oxidation. 2023 , 323, 122187	O
76	Transformation mechanism of high-valence metal sites for the optimization of Co- and Ni-based OER catalysts in an alkaline environment: recent progress and perspectives.	1
75	Upcycling wastewater nitrate into ammonia fertilizer via concurrent electrocatalysis and membrane extraction. 2023 , 455, 140959	O
74	A novel Co1.29Ni1.71O4/glycerolate-derived oxygen-vacancies-containing TiO2 composite for highly efficient photocatalytic hydrogen evolution. 2023 , 11, 109142	0
73	Impact of Catalyst Reconstruction on the Durability of Anion Exchange Membrane Water Electrolysis. 2022 , 10, 16725-16733	1
72	Self-Reconstruction of Single-Atom-Thick A Layers in Nanolaminated MAX Phases for Enhanced Oxygen Evolution. 2211530	1
71	Electronic Optimization and Modification of Efficient Ir Clusters Embedded onto Ni-Mo-P for Electrocatalytic Oxygen Evolution Reaction.	O
70	Bimetallic-Based Electrocatalysts for Oxygen Evolution Reaction. 2212160	1
69	Hierarchical heterostructure of NiFe2O4 nanoflakes grown on the tip of NiCo2O4 nanoneedles with enhanced interfacial polarization effect to achieve highly efficient electrocatalytic oxygen evolution. 2022 , 141169	O
68	Single-atom catalysts with metal-acid synergistic effect toward hydrodeoxygenation tandem reactions. 2022 , 100483	0
67	Designing strategies and enhancing mechanism for multicomponent high-entropy catalysts.	O

66	Insights into the Dynamic Evolution of Defects in Electrocatalysts. 2209680	1
65	Electrochemical Oxidation of 5-Hydroxymethylfurfural on CeO 2 -Modified Co 3 O 4 with Regulated Intermediate Adsorption and Promoted Charge Transfer. 2213170	1
64	Operando Reconstruction toward Dual-Cation-Defects Co-Containing NiFe Oxyhydroxide for Ultralow Energy Consumption Industrial Water Splitting Electrolyzer. 2203595	0
63	Spin-engineered CuNi metallic aerogels for enhanced ethylamine electrosynthesis from acetonitrile.	o
62	Electronic optimization and modification of efficient Ir clusters embedded onto NiMoP for electrocatalytic oxygen evolution reaction. 2023 , 6,	0
61	Entropy-Stabilized Multicomponent Porous Spinel Nanowires of NiFeXO4 (X = Fe, Ni, Al, Mo, Co, Cr) for Efficient and Durable Electrocatalytic Oxygen Evolution Reaction in Alkaline Medium.	O
60	Acidic oxygen evolution reaction: Mechanism, catalyst classification, and enhancement strategies.	1
59	Bifunctional Water Splitting Performance of NiFe LDH Improved by Pd 2+ Doping.	О
58	Boosting the electrocatalytic activity of NiSe by introducing MnCo as an efficient heterostructured electrocatalyst for large-current-density alkaline seawater splitting. 2023 , 325, 122355	0
57	Tuning OER Electrocatalysts toward LOM Pathway through the Lens of Multi-Descriptor Feature Selection by Artificial Intelligence-Based Approach. 299-320	О
56	Interfacial Evolution on Co-based Oxygen Evolution Reaction Electrocatalysts Probed by Using In Situ Surface-Enhanced Raman Spectroscopy.	0
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51	Cubic CuFe2O4 Spinel with Octahedral Fe Active Sites for Electrochemical Dechlorination of 1,2-Dichloroethane. 2023 , 15, 6631-6638	O
50	Self-Terminating Surface Reconstruction Induced by High-Index Facets of Delafossite for Accelerating Ammonia Oxidation Reaction Involving Lattice Oxygen. 2207727	0
49	Tracking the Role of Defect Types in Co3O4 Structural Evolution and Active Motifs during Oxygen Evolution Reaction. 2023 , 145, 2271-2281	3

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46	Optimizing the Oxygen-Catalytic Performance of ZnMnto Spinel by Regulating the Bond Competition at Octahedral Sites. 2214275	1
45	Realization of photocatalytic hydrogen production by optimizing energy band structure and promoting charges separation over the S-doped CoFe2O4 microrods. 2023 , 35, 105588	O
44	Dynamically Activating Ni-Based Catalysts by Self-Anchored Mononuclear Fe for Efficient Water Oxidation.	О
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39	Simultaneously mastering operando strain and reconstruction effects via phase-segregation strategy for enhanced oxygen-evolving electrocatalysis. 2023 ,	O
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34	Origin of Surface Reconstruction in Lattice Oxygen Oxidation Mechanism Based-Transition Metal Oxides: A Spontaneous Chemical Process.	O
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28	Coordination Tailoring of Epitaxial Perovskite-Derived Iron Oxide Films for Efficient Water Oxidation Electrocatalysis. 2023 , 13, 2751-2760	О
27	Ce-Modified Flowerlike NiFe-MOF Nanostructure Based on Ion Competitive Coordination for Enhancing the Oxygen Evolution Reaction. 2023 , 62, 3238-3247	O
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17	Molecular Engineering of Metal©rganic Frameworks as Efficient Electrochemical Catalysts for Water Oxidation.	O
16	Origin of Surface Reconstruction in Lattice Oxygen Oxidation Mechanism Based-Transition Metal Oxides: A Spontaneous Chemical Process.	О
15	Highly Oxidized Oxide Surface toward Optimum Oxygen Evolution Reaction by Termination Engineering. 2023 , 17, 6811-6821	O
14	Oxygen Evolution/Reduction Reaction Catalysts: From In Situ Monitoring and Reaction Mechanisms to Rational Design.	О
13	Efficient oxygen evolution on spinel MFe2O4 (M=Zn and Ni) electrocatalysts.	O

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10	Amorphous Oxysulfide Reconstructed from Spinel NiCo 2 S 4 for Efficient Water Oxidation.	O
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4	Iron-Locked Hydr(oxy)oxide Catalysts via Ion-Compensatory Reconstruction Boost Large-Current-Density Water Oxidation.	O
3	Hierarchical superhydrophilic/superaerophobic 3D porous trimetallic (Fe, Co, Ni) spinel/carbon/nickel foam for boosting oxygen evolution reaction. 2023 , 332, 122717	O
2	Dynamically Stabilized Electronic Regulation and Electrochemical Reconstruction in Co and S Atomic Pair Doped Fe 3 O 4 for Water Oxidation.	O
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