

Xuehui Gao

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39
papers

2,647
citations

18
h-index

45
g-index

45
ext. papers

3,091
ext. citations

10.1
avg. IF

5.18
L-index

#	Paper	IF	Citations
39	Hierarchical NiCo ₂ O ₄ Hollow Microcuboids as Bifunctional Electrocatalysts for Overall Water-Splitting. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6290-4	16.4	592
38	Carbon-coated CdS petalous nanostructures with enhanced photostability and photocatalytic activity. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5636-9	16.4	310
37	Exploring competitive features of stationary sodium ion batteries for electrochemical energy storage. <i>Energy and Environmental Science</i> , 2019 , 12, 1512-1533	35.4	258
36	Formation of mesoporous heterostructured BiVO ₄ /Bi ₂ S ₃ hollow discoids with enhanced photoactivity. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5917-21	16.4	250
35	Hierarchical tubular structures constructed from ultrathin TiO ₂ (B) nanosheets for highly reversible lithium storage. <i>Energy and Environmental Science</i> , 2015 , 8, 1480-1483	35.4	166
34	Silicon Anode with High Initial Coulombic Efficiency by Modulated Trifunctional Binder for High-Areal-Capacity Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1903110	21.8	113
33	Hierarchical NiCo ₂ O ₄ Hollow Microcuboids as Bifunctional Electrocatalysts for Overall Water-Splitting. <i>Angewandte Chemie</i> , 2016 , 128, 6398-6402	3.6	112
32	One-pot magnetic field induced formation of Fe ₃ O ₄ /C composite microrods with enhanced lithium storage capability. <i>Small</i> , 2014 , 10, 2815-9, 2742	11	107
31	Carbon-Coated CdS Petalous Nanostructures with Enhanced Photostability and Photocatalytic Activity. <i>Angewandte Chemie</i> , 2013 , 125, 5746-5749	3.6	106
30	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. <i>Applied Catalysis B: Environmental</i> , 2013 , 138-139, 1-8	21.8	89
29	Formation of Mesoporous Heterostructured BiVO ₄ /Bi ₂ S ₃ Hollow Discoids with Enhanced Photoactivity. <i>Angewandte Chemie</i> , 2014 , 126, 6027-6031	3.6	85
28	TiO ₂ Microboxes with Controlled Internal Porosity for High-Performance Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14331-5	16.4	71
27	NiCo sulfide nanoboxes with tunable compositions for high-performance electrochemical pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10248-10253	13	64
26	Platinum single-atom and cluster anchored on functionalized MWCNTs with ultrahigh mass efficiency for electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2019 , 63, 103849	17.1	57
25	Controllable one-pot synthesis of various one-dimensional Bi ₂ S ₃ nanostructures and their enhanced visible-light-driven photocatalytic reduction of Cr(VI). <i>Journal of Alloys and Compounds</i> , 2014 , 611, 335-340	5.7	35
24	Formation of uniform nitrogen-doped C/Ni/TiO ₂ hollow spindles toward long cycle life lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8983-8988	13	35
23	Conductive molybdenum carbide as the polysulfide reservoir for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17142-17147	13	28

22	Co ₂ Ni alloy/N-doped CNTs composite as efficient hydrogen evolution reaction catalyst in alkaline medium. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 779-785	5.7	25
21	Platinum Atomic Clusters Embedded in Defects of Anatase/Graphene for Efficient Electro- and Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40204-40212	9.5	13
20	Selective Adsorption and Electrocatalysis of Polysulfides through Hexatomic Nickel Clusters Embedded in N-Doped Graphene toward High-Performance Li-S Batteries. <i>Research</i> , 2020 , 2020, 5714349	7.8	11
19	Embedding FeC and FeN on a Nitrogen-Doped Carbon Nanotube as a Catalytic and Anchoring Center for a High-Areal-Capacity Li-S Battery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20153-20161	9.5	11
18	Boosting oxygen evolution activity of NiFe-LDH using oxygen vacancies and morphological engineering. <i>Journal of Materials Chemistry A</i> ,	13	11
17	Uniform NiFe phosphide nanosheets arrays on carbon cloth as high-performance oxygen evolution catalysts. <i>Materials Today Energy</i> , 2019 , 11, 192-198	7	10
16	9,10-Anthraquinone/KCuFe(CN): A Highly Compatible Aqueous Aluminum-Ion Full-Battery Configuration. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8353-8360	9.5	10
15	Sulfur-/Nitrogen-Rich Albumen Derived "Self-Doping" Graphene for Sodium-Ion Storage. <i>Chemistry - A European Journal</i> , 2019 , 25, 14358-14363	4.8	9
14	Construction of a Flexible Nb ₂ O ₅ /Carboxyl Multiwalled Carbon Nanotube Film as Anode for Lithium and Sodium Storages. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11841-11847	6.1	7
13	A biopolymer network for lean binder in silicon nanoparticle anodes for lithium-ion batteries. <i>Sustainable Materials and Technologies</i> , 2021 , 30, e00333	5.3	7
12	Hierarchical Porous NiCo ₂ O ₄ Microboxes Constructed by Low-Dimensional Substructures for Electrochemical Supercapacitor. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 53-57	1.3	6
11	TiO ₂ Microboxes with Controlled Internal Porosity for High-Performance Lithium Storage. <i>Angewandte Chemie</i> , 2015 , 127, 14539-14543	3.6	6
10	Millimeter Silicon-Derived Secondary Submicron Materials as High-Initial Coulombic Efficiency Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10255-10260	6.1	6
9	Ferromagnetic 1D-Fe ₃ O ₄ @C Microrods Boost Polysulfide Anchoring for Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3921-3927	6.1	6
8	An Aqueous Binder for High-Areal-Capacity Fe ₃ O ₄ -Based Anodes in Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7201-7208	6.1	6
7	Fabricating nano-IrO ₂ @amorphous Ir-MOF composites for efficient overall water splitting: a one-pot solvothermal approach. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25687-25695	13	5
6	An Extraordinary OER Electrocatalyst Based on the Co/Mo Synergistic 2D Pure Inorganic Porous Framework. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 2606-2610	2.3	4
5	Innentitelbild: Carbon-Coated CdS Petalous Nanostructures with Enhanced Photostability and Photocatalytic Activity (Angew. Chem. 21/2013). <i>Angewandte Chemie</i> , 2013 , 125, 5520-5520	3.6	3

4	Innentitelbild: Hierarchical NiCo ₂ O ₄ Hollow Microcuboids as Bifunctional Electrocatalysts for Overall Water-Splitting (Angew. Chem. 21/2016). <i>Angewandte Chemie</i> , 2016 , 128, 6216-6216	3.6	2
3	Atomic Platinum Anchored on Fe-N-C Material for High Performance Oxygen Reduction Reaction. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 165-168	2.3	1
2	Boosting oxygen evolution reaction activity and durability of phosphate doped Ni(OH)/FeOOH hierarchical microtubes by morphology engineering and reconstruction strategy.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 319-326	9.3	1
1	Peach gum as an efficient binder for high-area-capacity lithium-sulfur batteries. <i>Sustainable Materials and Technologies</i> , 2021 , 30, e00334	5.3	0