Min Han

List of Publications by Year in descending order

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53794 64796 6,603 108 45 79 citations h-index g-index papers 111 111 111 10390 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal–Organic Frameworks and Ti ₃ C ₂ T _{<i>x</i>} Nanosheets for Electrocatalytic Oxygen Evolution. ACS Nano, 2017, 11, 5800-5807.	14.6	557
2	Conductive Carbon Nanofiber-Polymer Foam Structures. Advanced Materials, 2005, 17, 1999-2003.	21.0	426
3	Nitrogen-doped Fe/Fe ₃ C@graphitic layer/carbon nanotube hybrids derived from MOFs: efficient bifunctional electrocatalysts for ORR and OER. Chemical Communications, 2015, 51, 2710-2713.	4.1	377
4	Porous Molybdenumâ€Based Hybrid Catalysts for Highly Efficient Hydrogen Evolution. Angewandte Chemie - International Edition, 2015, 54, 12928-12932.	13.8	368
5	Two-Dimensional Tin Selenide Nanostructures for Flexible All-Solid-State Supercapacitors. ACS Nano, 2014, 8, 3761-3770.	14.6	322
6	Hexagonal@Cubic CdS Core@Shell Nanorod Photocatalyst for Highly Active Production of H ₂ with Unprecedented Stability. Advanced Materials, 2016, 28, 8906-8911.	21.0	271
7	Metal–organic framework templated nitrogen and sulfur co-doped porous carbons as highly efficient metal-free electrocatalysts for oxygen reduction reactions. Journal of Materials Chemistry A, 2014, 2, 6316-6319.	10.3	179
8	Defectâ€Rich Ni ₃ FeN Nanocrystals Anchored on Nâ€Doped Graphene for Enhanced Electrocatalytic Oxygen Evolution. Advanced Functional Materials, 2018, 28, 1706018.	14.9	169
9	Controllable Synthesis and Magnetic Properties of Cubic and Hexagonal Phase Nickel Nanocrystals. Advanced Materials, 2007, 19, 1096-1100.	21.0	134
10	An oxygen cathode with stable full discharge–charge capability based on 2D conducting oxide. Energy and Environmental Science, 2015, 8, 1992-1997.	30.8	113
11	Cobalt Phosphides Nanocrystals Encapsulated by Pâ€Doped Carbon and <i>Married</i> with Pâ€Doped Graphene for Overall Water Splitting. Small, 2019, 15, e1804546.	10.0	110
12	Stabilization of polysulfides via lithium bonds for Li–S batteries. Journal of Materials Chemistry A, 2016, 4, 5406-5409.	10.3	105
13	Five-Fold Twinned Pd ₂ NiAg Nanocrystals with Increased Surface Ni Site Availability to Improve Oxygen Reduction Activity. Journal of the American Chemical Society, 2015, 137, 2820-2823.	13.7	100
14	A facile preparation of palladium nanoparticles supported on magnetite/s-graphene and their catalytic application in Suzuki–Miyaura reaction. Catalysis Science and Technology, 2012, 2, 2332.	4.1	99
15	Polypyrrole–polyoxometalate/reduced graphene oxide ternary nanohybrids for flexible, all-solid-state supercapacitors. Chemical Communications, 2015, 51, 12377-12380.	4.1	99
16	Integrating ultrathin and modified NiCoAl-layered double-hydroxide nanosheets with N-doped reduced graphene oxide for high-performance all-solid-state supercapacitors. Nanoscale, 2019, 11, 9896-9905.	5 . 6	95
17	In Situ-Generated Nano-Gold Plasmon-Enhanced Photoelectrochemical Aptasensing Based on Carboxylated Perylene-Functionalized Graphene. Analytical Chemistry, 2014, 86, 1306-1312.	6. 5	93
18	Coralloid Co ₂ P ₂ O ₇ Nanocrystals Encapsulated by Thin Carbon Shells for Enhanced Electrochemical Water Oxidation. ACS Applied Materials & Samp; Interfaces, 2016, 8, 22534-22544.	8.0	91

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19	Facile synthesis of porous tubular palladium nanostructures and their application in a nonenzymatic glucose sensor. Chemical Communications, 2010, 46, 1739.	4.1	90
20	Ultrathin palladium nanosheets with selectively controlled surface facets. Chemical Science, 2018, 9, 4451-4455.	7.4	89
21	<i>In situ</i> hybridization of an MXene/TiO ₂ /NiFeCo-layered double hydroxide composite for electrochemical and photoelectrochemical oxygen evolution. RSC Advances, 2018, 8, 20576-20584.	3.6	75
22	A nonenzymatic cholesterol sensor constructed by using porous tubular silver nanoparticles. Biosensors and Bioelectronics, 2010, 25, 2356-2360.	10.1	74
23	Synergistically enhanced oxygen reduction electrocatalysis by atomically dispersed and nanoscaled Co species in three-dimensional mesoporous Co, N-codoped carbon nanosheets network. Applied Catalysis B: Environmental, 2020, 260, 118207.	20.2	74
24	Controllable Synthesis of Tetragonal and Cubic Phase Cu ₂ Se Nanowires Assembled by Small Nanocubes and Their Electrocatalytic Performance for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2013, 117, 15164-15173.	3.1	73
25	Concave octahedral Pd@PdPt electrocatalysts integrating core–shell, alloy and concave structures for high-efficiency oxygen reduction and hydrogen evolution reactions. Journal of Materials Chemistry A, 2016, 4, 16690-16697.	10.3	69
26	Two-dimensional nanostructures of non-layered ternary thiospinels and their bifunctional electrocatalytic properties for oxygen reduction and evolution: the case of CuCo ₂ S ₄ nanosheets. Inorganic Chemistry Frontiers, 2016, 3, 1501-1509.	6.0	69
27	Well-Coupled Graphene and Pd-Based Bimetallic Nanocrystals Nanocomposites for Electrocatalytic Oxygen Reduction Reaction. ACS Applied Materials & Samp; Interfaces, 2014, 6, 2086-2094.	8.0	67
28	Cu,Nâ€Codoped Carbon Nanodisks with Biomimic Stomataâ€Like Interconnected Hierarchical Porous Topology as Efficient Electrocatalyst for Oxygen Reduction Reaction. Small, 2019, 15, e1902410.	10.0	66
29	Self-assembly of a mesoporous ZnS/mediating interface/CdS heterostructure with enhanced visible-light hydrogen-production activity and excellent stability. Chemical Science, 2015, 6, 5263-5268.	7.4	65
30	Polyoxometalate precursors for precisely controlled synthesis of bimetallic sulfide heterostructure through nucleation-doping competition. Nanoscale, 2018, 10, 8404-8412.	5.6	65
31	Component-Controlled Synthesis and Assembly of Cu–Pd Nanocrystals on Graphene for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2015, 7, 5347-5357.	8.0	60
32	Component-Controlled Synthesis of Necklace-Like Hollow Ni _{<i>X</i>} Ru _{<i>y</i>} Nanoalloys as Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials & Diterfaces, 2017, 9, 17326-17336.	8.0	60
33	A superoxide anion biosensor based on direct electron transfer of superoxide dismutase on sodium alginate sol–gel film and its application to monitoring of living cells. Analytica Chimica Acta, 2012, 717, 61-66.	5.4	59
34	Pd nanoparticle assembliesâ€"As the substitute of HRP, in their biosensing applications for H2O2 and glucose. Biosensors and Bioelectronics, 2012, 31, 151-156.	10.1	59
35	Solvothermal Synthesis of Lateral Heterojunction Sb ₂ Te ₃ Nanoplates. Nano Letters, 2015, 15, 5905-5911.	9.1	56
36	3D Porous Nanoarchitectures Derived from SnS/Sâ€Doped Graphene Hybrid Nanosheets for Flexible Allâ€Solidâ€State Supercapacitors. Small, 2017, 13, 1603494.	10.0	55

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37	Phaseâ€Modulation of Iron/Nickel Phosphides Nanocrystals "Armoredâ€with Porous Pâ€Doped Carbon and Anchored on Pâ€Doped Graphene Nanohybrids for Enhanced Overall Water Splitting. Advanced Functional Materials, 2021, 31, 2010912.	14.9	54
38	Fabrication of Hierarchical Nanostructure of Silver via a Surfactant-Free Mixed Solvents Route. Crystal Growth and Design, 2009, 9, 3941-3947.	3.0	52
39	Synergistic effect of mesoporous Mn ₂ O ₃ -supported Pd nanoparticle catalysts for electrocatalytic oxygen reduction reaction with enhanced performance in alkaline medium. Journal of Materials Chemistry A, 2014, 2, 1272-1276.	10.3	51
40	Quantum dots sensitized titanium dioxide decorated reduced graphene oxide for visible light excited photoelectrochemical biosensing at a low potential. Biosensors and Bioelectronics, 2014, 54, 331-338.	10.1	49
41	Crystalline Facet-Directed Generation Engineering of Ultrathin Platinum Nanodendrites. Journal of Physical Chemistry Letters, 2019, 10, 663-671.	4.6	49
42	A facile template-free route for synthesis of hollow hexagonal ZnS nano- and submicro-spheres. Nanotechnology, 2005, 16, 2908-2912.	2.6	47
43	Novel surfactant-directed synthesis of ultra-thin palladium nanosheets as efficient electrocatalysts for glycerol oxidation. Chemical Communications, 2017, 53, 1642-1645.	4.1	47
44	Synthesis of Octopus-Tentacle-Like Cu Nanowire-Ag Nanocrystals Heterostructures and Their Enhanced Electrocatalytic Performance for Oxygen Reduction Reaction. ACS Applied Materials & Samp; Interfaces, 2012, 4, 6654-6660.	8.0	46
45	Vertically Oriented and Interpenetrating CuSe Nanosheet Films with Open Channels for Flexible All-Solid-State Supercapacitors. ACS Omega, 2017, 2, 1089-1096.	3.5	45
46	Efficient Visible-Light-Induced Photocatalytic Activity of a 3D-Ordered Titania Hybrid Photocatalyst with a Core/Shell Structure of Dye-Containing Polymer/Titania. Journal of Physical Chemistry C, 2008, 112, 14973-14979.	3.1	42
47	High-Performance Flexible In-Plane Micro-Supercapacitors Based on Vertically Aligned CuSe@Ni(OH) ₂ Hybrid Nanosheet Films. ACS Applied Materials & Interfaces, 2018, 10, 38341-38349.	8.0	41
48	Detection of hydrogen peroxide at a palladium nanoparticle-bilayer graphene hybrid-modified electrode. Sensors and Actuators B: Chemical, 2016, 230, 690-696.	7.8	39
49	A sensitive electrochemical aptasensor based on water soluble CdSe quantum dots (QDs) for thrombin determination. Electrochimica Acta, 2011, 56, 7058-7063.	5.2	36
50	Hollow nickel microspheres covered with oriented carbon nanotubes and its magnetic property. Carbon, 2006, 44, 211-215.	10.3	35
51	Electrochemiluminescence biosensor based on CdSe quantum dots for the detection of thrombin. Electrochimica Acta, 2012, 65, 1-6.	5.2	35
52	A "Signal On―Photoelectrochemical Biosensor Based on Bismuth@N,O odoped arbon Core‧hell Nanohybrids for Ultrasensitive Detection of Telomerase in HeLa Cells. Chemistry - A European Journal, 2018, 24, 3677-3682.	3.3	35
53	Alternate Integration of Vertically Oriented CuSe@FeOOH and CuSe@MnOOH Hybrid Nanosheets Frameworks for Flexible In-Plane Asymmetric Micro-supercapacitors. ACS Applied Energy Materials, 2020, 3, 3692-3703.	5.1	35
54	Immobilization of acetylcholinesterase on one-dimensional gold nanoparticles for detection of organophosphorous insecticides. Science China Chemistry, 2010, 53, 820-825.	8.2	33

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55	Highly branched ultrathin Pt–Ru nanodendrites. Chemical Communications, 2019, 55, 11131-11134.	4.1	31
56	Facile synthesis of ultrathin single-crystalline palladium nanowires with enhanced electrocatalytic activities. Chemical Communications, 2016, 52, 12996-12999.	4.1	30
57	Controllable Synthesis of CoO Nanosheets and their Magnetic Properties. ChemPhysChem, 2007, 8, 2091-2095.	2.1	29
58	Uncommon hexagonal microtubule based gel from a simple trimesic amide. New Journal of Chemistry, 2008, 32, 2011.	2.8	29
59	Template-Based CVD Synthesis of ZnS Nanotube Arrays. Chemical Vapor Deposition, 2005, 11, 250-253.	1.3	28
60	Anions bonded on the supramolecular hydrogel surface as the growth center of biominerals. Colloids and Surfaces B: Biointerfaces, 2008, 66, 84-89.	5.0	28
61	Hierarchical Construction of Composite Hollow Structures of Co@CoO and Their Magnetic Behavior. Journal of Physical Chemistry C, 2008, 112, 9272-9277.	3.1	28
62	CdSe quantum dots as labels for sensitive immunoassay of cancer biomarker proteins by electrogenerated chemiluminescence. Analyst, The, 2011, 136, 5197.	3 . 5	28
63	Componentâ€Controlled Synthesis of Smallâ€Sized Pdâ€Ag Bimetallic Alloy Nanocrystals and Their Application in a Nonâ€Enzymatic Glucose Biosensor. Particle and Particle Systems Characterization, 2013, 30, 549-556.	2.3	27
64	Crystal hierarchically splitting in growth of BaWO4 in positive cat–anionic microemulsion. Journal of Crystal Growth, 2008, 310, 4581-4586.	1.5	26
65	Engineering bimetal Cu, Co sites on 3D N-doped porous carbon nanosheets for enhanced oxygen reduction electrocatalysis. Chemical Communications, 2020, 56, 10010-10013.	4.1	25
66	Largeâ€Scale Synthesis of Singleâ€Crystalline RE ₂ O ₃ (RE=Y, Dy, Ho, Er) Nanobelts by a Solid–Liquidâ€Phase Chemical Route. Chemistry - A European Journal, 2008, 14, 1615-1620.	3.3	24
67	Pd nanoparticle-modified electrodes for nonenzymatic hydrogen peroxide detection. Nanoscale Research Letters, 2015, 10, 1021.	5.7	24
68	Selfâ€Assembly of Two Different Hierarchical Nanostructures on Either Side of an Organic Supramolecular Film in One Step. Chemistry - A European Journal, 2008, 14, 6255-6259.	3.3	23
69	A simple assay to amplify the electrochemical signal by the aptamer based biosensor modified with CdS hollow nanospheres. Biosensors and Bioelectronics, 2011, 26, 3531-3535.	10.1	23
70	Electrochemiluminescence of CdSe quantum dots for highly sensitive competitive immunosensing. Sensors and Actuators B: Chemical, 2012, 168, 271-276.	7.8	23
71	Single-step-fabricated disordered metasurfaces for enhanced light extraction from LEDs. Light: Science and Applications, 2021, 10, 180.	16.6	23
72	Engineering high-entropy alloy nanowires network for alcohol electrooxidation. Journal of Colloid and Interface Science, 2022, 625, 1012-1021.	9.4	22

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73	Synthesis and luminescence of CePO4and CePO4:Tb hollow and core–shell microspheres composed of single-crystal nanorods. Nanotechnology, 2007, 18, 415602.	2.6	21
74	Well-Coupled Nanohybrids Obtained by Component-Controlled Synthesis and in Situ Integration of Mn _{<i>x</i>} Pd _{<i>y</i>} Nanocrystals on Vulcan Carbon for Electrocatalytic Oxygen Reduction. ACS Applied Materials & Samp; Interfaces, 2018, 10, 8155-8164.	8.0	20
75	Amorphous Y(OH) < sub > 3 < / sub > -promoted Ru/Y(OH) < sub > 3 < / sub > nanohybrids with high durability for electrocatalytic hydrogen evolution in alkaline media. Chemical Communications, 2018, 54, 12202-12205.	4.1	19
76	Nanostructured metal chalcogenides confined in hollow structures for promoting energy storage. Nanoscale Advances, 2020, 2, 583-604.	4.6	18
77	Surfactant Charge Mediated Shape Control of Nano- or Microscaled Coordination Polymers: The Case of Tetrapyridylporphine Based Metal Complex. Crystal Growth and Design, 2014, 14, 1251-1257.	3.0	17
78	Oxygen-Vacancy-Rich NiMnZn-Layered Double Hydroxide Nanosheets Married with Mo ₂ CT _{<i>x</i>} MXene for High-Efficiency All-Solid-State Hybrid Supercapacitors. ACS Applied Energy Materials, 2022, 5, 3346-3358.	5.1	17
79	Dual-electroactive metal–organic framework nanosheets as negative electrode materials for supercapacitors. Chemical Engineering Journal, 2022, 450, 137193.	12.7	16
80	Electrogenerated chemiluminescence from CdS hollow spheres composited with carbon nanofiber and its sensing application. Analyst, The, 2010, 135, 2579.	3.5	15
81	Facile Synthesis of PbSe Hollow Nanostructure Assemblies via a Solid/Liquidâ€Phase Chemical Route and Their Electrogenerated Chemiluminescence Properties. Chemistry - A European Journal, 2011, 17, 3739-3745.	3.3	14
82	Label-free and facile electrochemical biosensing using carbon nanotubes for malondialdehyde detection. Analyst, The, 2013, 138, 3131.	3.5	14
83	Enhanced Catalytic Performance for Oxygen Reduction Reaction Derived from Nitrogen-Rich Tetrazolate-Based Heterometallic Metal–Organic Frameworks. Crystal Growth and Design, 2019, 19, 2991-2999.	3.0	14
84	Versatile Synthesis of Pdâ^'M (M=Cr, Mo, W) Alloy Nanosheets Flowerâ€like Superstructures for Efficient Oxygen Reduction Electrocatalysis. ChemCatChem, 2020, 12, 4138-4148.	3.7	14
85	Concentric Sub-micrometer-Sized Cables Composed of Ni Nanowires and Sub-micrometer-Sized Fullerene Tubes. Advanced Functional Materials, 2007, 17, 1124-1130.	14.9	13
86	Monoclinic Copper(I) Selenide Nanocrystals and Copper(I) Selenide/Palladium Heterostructures: Synthesis, Characterization, and Surface-Enhanced Raman Scattering Performance. European Journal of Inorganic Chemistry, 2015, 2015, 2229-2236.	2.0	13
87	Rapid Aqueous Synthesis of Largeâ€Size and Edge/Defectâ€Rich Porous Pd and Pdâ€Alloyed Nanomesh for Electrocatalytic Ethanol Oxidation. Chemistry - A European Journal, 2021, 27, 11175-11182.	3.3	12
88	A small molecule with a big scissoring effect: sodium dodecyl sulfate working on two-dimensional metal–organic frameworks. CrystEngComm, 2021, 23, 1360-1365.	2.6	11
89	Structure, Magnetic and Ion-Exchange Properties of Self-Assembled Triaza-Copper(II)-Oxalate Hybrides Having Nanoscale One-Dimensional Channel. Journal of Nanoscience and Nanotechnology, 2006, 6, 3338-3342.	0.9	10
90	Mesoporous SiO2–(l)-lysine hybrid nanodisks: direct electron transfer of superoxide dismutase, sensitive detection of superoxide anions and its application in living cell monitoring. RSC Advances, 2013, 3, 20456.	3.6	10

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91	Catalytic Hydrogenation of Nitrophenols by Cubic and Hexagonal Phase Unsupported Ni Nanocrystals. ChemistrySelect, 2019, 4, 42-48.	1.5	10
92	Synthesis, Characterization, and Physicochemical Properties of Well-Coupled Y ₂ O ₃ Nanobeltâ^'Ag Nanocrystals Nanocomposites. Journal of Physical Chemistry C, 2008, 112, 17893-17898.	3.1	9
93	Combined legumain- and integrin-targeted nanobubbles for molecular ultrasound imaging of breast cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 42, 102533.	3.3	9
94	Versatile Synthesis of Ultrafine Ternary Spinel Oxides/Carbon Nanohybrids toward the Oxygen Reduction Reaction. Energy & Description Reaction. Energy & Description Reaction Reaction. Energy & Description Reaction Reaction.	5.1	7
95	Endonuclease cleavage combined with horseradish peroxidase-assisted signal amplification for electrochemical monitoring of DNA. Electrochemistry Communications, 2012, 22, 133-136.	4.7	6
96	Facile synthesis of porous copper nanobelts and their catalytic performance. Materials Research Bulletin, 2012, 47, 4438-4444.	5. 2	6
97	Small-sized Ag nanocrystals: high yield synthesis in a solid–liquid phase system, growth mechanism and their successful application in the Sonogashira reaction. RSC Advances, 2012, 2, 6061.	3.6	6
98	Correction to Two-Dimensional Tin Selenide Nanostructures for Flexible All-Solid-State Supercapacitors. ACS Nano, 2014, 8, 6509-6509.	14.6	6
99	A boronate-modified renewable nanointerface for ultrasensitive electrochemical assay of cellulase activity. Chinese Chemical Letters, 2021, 32, 1470-1474.	9.0	6
100	Gold–antibody nanocomposite thin film fabricated by a liquid–liquid interface technique and its application for the sensitive immunoassay of alpha-fetoprotein. Analytical Methods, 2013, 5, 1909.	2.7	5
101	Gramâ€Scale Synthesis of Multipod Pd Nanocrystals by a Simple Solid–Liquid Phase Reaction and Their Remarkable Electrocatalytic Properties. European Journal of Inorganic Chemistry, 2012, 2012, 3740-3746.	2.0	4
102	Synthesis of PbS/PbI2 Nanocomposites in Mixed Solvent and Their Composition-Dependent Electrogenerated Chemiluminescence Performance. Inorganic Chemistry, 2014, 53, 8548-8554.	4.0	4
103	Selfâ€Supported Goldâ€Silkâ€Chrysanthemumâ€Like Superstructures Arrays Derived from Mnâ€doped CoPS Nanowires with Superhydrophilic and Superaerophobic Surface for Enhanced Oxygen Evolution. Advanced Materials Interfaces, 2022, 9, .	3.7	4
104	ION SPUTTERING NANOSTRUCTURING CRYSTALLINE MgF2 SURFACE AND ITS ENERGY-DEPENDENT SURFACE ROUGHNESS. Modern Physics Letters B, 2005, 19, 157-162.	1.9	3
105	Anodic electrochemiluminescence of SBA-15 and its sensing application. Electrochemistry Communications, 2013, 35, 94-96.	4.7	3
106	Coordination Driving Self-assembly of Gold Nanoparticles and Tetrapyridylporphine into Hollow Spheres. Chemistry Letters, 2005, 34, 1468-1469.	1.3	2
107	A nanoscaled Au–horseradish peroxidase composite fabricated by an interface reaction and its characterization, immobilization and biosensing. Analytical Methods, 2015, 7, 3466-3471.	2.7	1
108	A "Signal On―Photoelectrochemical Biosensor Based on Bismuth@N,O-Codoped-Carbon Core-Shell Nanohybrids for Ultrasensitive Detection of Telomerase in HeLa Cells. Chemistry - A European Journal, 2018, 24, 3638-3638.	3.3	1