Nam Hoon Kim

List of Publications by Year
in descending order

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308 papers	29,201 citations	5268 83 h-index	6836 155 g-index
310 all docs	310 docs citations	310 times ranked	28657 citing authors

#	Article	IF	Citations
1	Ni-nanoclusters hybridized 1Tâ€“Mnâ€“VTe2 mesoporous nanosheets for ultra-low potential water splitting. Applied Catalysis B: Environmental, 2022, 301, 120780.	20.2	32
2	Dual-functional Co5.47N/Fe3N heterostructure interconnected 3D N-doped carbon nanotube-graphene hybrids for accelerating polysulfide conversion in Li-S batteries. Chemical Engineering Journal, 2022, 427, 131774.	12.7	38
3	Mo and Zn-Dual doped CuxO nanocrystals confined High-Conductive Cu arrays as novel sensitive sensor for neurotransmitter detection. Journal of Colloid and Interface Science, 2022, 606, 1031-1041.	9.4	2
4	Rational manipulation of 3D hierarchical oxygenated nickel tungsten selenide nanosheet as the efficient bifunctional electrocatalyst for overall water splitting. Chemical Engineering Journal, 2022, 430, 132888.	12.7	29
5	Rapid effective reduction by microwave-irradiated thermal reaction for large-scale production of high-quality reduced graphene oxide. Carbon, 2022, 187, 330-337.	10.3	15
6	A Flexible and Transparent Zincâ€Nanofiber Network Electrode for Wearable Electrochromic, Rechargeable Znâ€ion Battery. Small, 2022, 18, e2104462.	10.0	50
7	Recent engineering advances in nanocatalysts for NH3-to-H2 conversion technologies. Nano Energy, 2022, 94, 106929.	16.0	15
8	Efficient synergism of NiO-NiSe2 nanosheet-based heterostructures shelled titanium nitride array for robust overall water splitting. Journal of Colloid and Interface Science, 2022, 612, 121-131.	9.4	10
9	Advanced interfacial engineering of oxygen-enriched Fe Sn1â^'OSe nanostructures for efficient overall water splitting and flexible zinc-air batteries. Applied Catalysis B: Environmental, 2022, 305, 120924.	20.2	33
10	Transition metal nanoparticles as electrocatalysts for ORR, OER, and HER. , 2022, , 49-83.		0
11	Fabrication of impermeable dense architecture containing covalently stitched graphene oxide/boron nitride hybrid nanofiller reinforced semi-interpenetrating network for hydrogen gas barrier applications. Journal of Materials Chemistry A, 2022, 10, 4376-4391.	10.3	15
12	Uniformly Controlled Treble Boundary Using Enriched Adsorption Sites and Accelerated Catalyst Cathode for Robust Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2022, 12, .	19.5	87
13	A 3D hierarchical network derived from 2D Fe-doped NiSe nanosheets/carbon nanotubes with enhanced OER performance for overall water splitting. Journal of Materials Chemistry A, 2022, 10, 3102-3111.	10.3	48
14	Modulating heterointerfaces of tungsten incorporated CoSe/Co₃O₄as a highly efficient electrocatalyst for overall water splitting. Journal of Materials Chemistry A, 2022, 10, 3782-3792.	10.3	35
15	Ni Single Atoms and Ni Phosphate Clusters Synergistically Triggered Surfaceâ€Functionalized MoS₂ Nanosheets for Highâ€performance Freshwater and Seawater Electrolysis. Energy and Environmental Materials, 2022, 5, 1340-1349.	12.8	20
16	Bifunctional P-Intercalated and Doped Metallic (1T)-Copper Molybdenum Sulfide Ultrathin 2D-Nanosheets with Enlarged Interlayers for Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2022, 14, 14492-14503.	8.0	39
17	Freestanding Binder-Free Electrodes with Nanodisk-Needle-like MnCuCo-LTH and Mn₁Fe₂S₂ Porous Microthorns for High-Performance Quasi-Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2022, 14, 12523-12537.	8.0	10
18	Co-MOF@MXene-carbon nanofiber-based freestanding electrodes for a flexible and wearable quasi-solid-state supercapacitor. Chemical Engineering Journal, 2022, 437, 135338.	12.7	58

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19	Single (Ni, Fe) atoms and ultrasmall Core@shell Ni@Fe nanostructures Dual-implanted CNTs-Graphene nanonetworks for robust Zn- and Al-Air batteries. Chemical Engineering Journal, 2022, 440, 135781.	12.7	24
20	Interface engineering induced electrocatalytic behavior in core-shelled CNTs@NiP2/NbP heterostructure for highly efficient overall water splitting. Chemical Engineering Journal, 2022, 442, 136120.	12.7	35
21	Rh single atoms/clusters confined in metal sulfide/oxide nanotubes as advanced multifunctional catalysts for green and energy-saving hydrogen productions. Applied Catalysis B: Environmental, 2022, 313, 121430.	20.2	30
22	Cation and anion (de)intercalation into MXene/Perovskite oxides for high-rate intercalation pseudocapacitance. Energy Storage Materials, 2022, 50, 86-95.	18.0	28
23	Atomic Heterointerface Engineering of Ni₂Pâ€NiSe₂ Nanosheets Coupled ZnPâ€Based Arrays for Highâ€Efficiency Solarâ€Assisted Water Splitting. Advanced Functional Materials, 2022, 32, .	14.9	49
24	Hybridized bimetallic phosphides of Niâ€“Mo, Coâ€“Mo, and Coâ€“Ni in a single ultrathin-3D-nanosheets for efficient HER and OER in alkaline media. Composites Part B: Engineering, 2022, 239, 109992.	12.0	96
25	Fibrous asymmetric supercapacitor based on wet spun MXene/PAN Fiber-derived multichannel porous MXene/CF negatrode and NiCo2S4 electrodeposited MXene/CF positrode. Chemical Engineering Journal, 2022, 449, 137732.	12.7	44
26	A hybrid trimetallicâ€“organic framework-derived N, C co-doped Niâ€“Feâ€“Mnâ€“P ultrathin nanosheet electrocatalyst for proficient overall water-splitting. Journal of Materials Chemistry A, 2022, 10, 16457-16467.	10.3	41
27	Multi-interfacial engineering of IrOx clusters coupled porous zinc Phosphide-Zinc phosphate heterostructure for efficient water splitting. Applied Surface Science, 2022, 600, 154206.	6.1	8
28	Single platinum atoms implanted 2D lateral anion-intercalated metal hydroxides of Ni2(OH)2(NO3)2 as efficient catalyst for high-yield water splitting. Applied Catalysis B: Environmental, 2022, 317, 121684.	20.2	18
29	Recent progress on single atom/sub-nano electrocatalysts for energy applications. Progress in Materials Science, 2021, 115, 100711.	32.8	27
30	0D to 3D carbon-based networks combined with pseudocapacitive electrode material for high energy density supercapacitor: A review. Chemical Engineering Journal, 2021, 403, 126352.	12.7	755
31	Worm-like gold nanowires assembled carbon nanofibers-CVD graphene hybrid as sensitive and selective sensor for nitrite detection. Journal of Colloid and Interface Science, 2021, 583, 425-434.	9.4	36
32	Recent advances in MXene-based nanocomposites for electrochemical energy storage applications. Progress in Materials Science, 2021, 117, 100733.	32.8	97
33	Core cation tuned MxCo3-xS4@NiMoS4 [MÂ=ÂNi, Mn, zn] coreâ€“shell nanomaterials as advanced all solid-state asymmetric supercapacitor electrodes. Chemical Engineering Journal, 2021, 405, 127046.	12.7	39
34	Fabrication of hierarchical Znâ€“Niâ€“Coâ€“S nanowire arrays and graphitic carbon nitride/graphene for solid-state asymmetric supercapacitors. Applied Surface Science, 2021, 542, 148564.	6.1	35
35	Pragmatically designed tetragonal copper ferrite super-architectures as advanced multifunctional electrodes for solid-state supercapacitors and overall water splitting. Chemical Engineering Journal, 2021, 415, 127779.	12.7	16
36	Nanostructured CeO2/NiVâ€“LDH composite for energy storage in asymmetric supercapacitor and as methanol oxidation electrocatalyst. Chemical Engineering Journal, 2021, 417, 128019.	12.7	72

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37	Two-dimensional materials modified layered double hydroxides: A series of fillers for improving gas barrier and permselectivity of poly(vinyl alcohol). Composites Part B: Engineering, 2021, 207, 108568.	12.0	32
38	Rational Engineering Co_xO_y Nanosheets via Phosphorous and Sulfur Dualâ€Coupling for Enhancing Water Splitting and Znâ€“Air Battery. Advanced Functional Materials, 2021, 31, 2007822.	14.9	44
39	All-solid-state asymmetric supercapacitor with MWCNT-based hollow NiCo2O4 positive electrode and porous Cu2WS4 negative electrode. Chemical Engineering Journal, 2021, 415, 128188.	12.7	27
40	Development of hierarchically structured nanosheet arrays of CuMnO2-MnxOy@graphene foam as a nanohybrid electrode material for high-performance asymmetric supercapacitor. Journal of Alloys and Compounds, 2021, 858, 158343.	5.5	21
41	Polymer nanocomposites for energy-related applications. , 2021, , 215-248.		0
42	Novel cobalt-doped molybdenum oxynitride quantum dot@N-doped carbon nanosheets with abundant oxygen vacancies for long-life rechargeable zincâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 9092-9104.	10.3	41
43	Metal organic framework-derived cobalt telluride-carbon porous structured composites for high-performance supercapacitor. Composites Part B: Engineering, 2021, 211, 108624.	12.0	45
44	Hierarchical Co and Nb dual-doped MoS2 nanosheets shelled micro-TiO2 hollow spheres as effective multifunctional electrocatalysts for HER, OER, and ORR. Nano Energy, 2021, 82, 105750.	16.0	220
45	Strongly stabilized integrated bimetallic oxide of Fe2O3-MoO3 Nano-crystal entrapped N-doped graphene as a superior oxygen reduction reaction electrocatalyst. Chemical Engineering Journal, 2021, 410, 128358.	12.7	47
46	Singleâ€Atom Coâ€Decorated MoS₂ Nanosheets Assembled on Metal Nitride Nanorod Arrays as an Efficient Bifunctional Electrocatalyst for pHâ€Universal Water Splitting. Advanced Functional Materials, 2021, 31, 2100233.	14.9	108
47	Fe and P Doped 1T-Phase Enriched WS23D-Dendritic Nanostructures for Efficient Overall Water Splitting. Applied Catalysis B: Environmental, 2021, 286, 119897.	20.2	88
48	3D nickel molybdenum oxyselenide (Ni1-xMoxOSe) nanoarchitectures as advanced multifunctional catalyst for Zn-air batteries and water splitting. Applied Catalysis B: Environmental, 2021, 286, 119909.	20.2	72
49	Alkaline Water Splitting Enhancement by MOFâ€Derived Feâ€“Coâ€“Oxide/Co@NCâ€mNS Heterostructure: Boosting OER and HER through Defect Engineering and In Situ Oxidation. Small, 2021, 17, e2101312.	10.0	166
50	Dual-coupling ultrasmall iron-Ni2P into P-doped porous carbon sheets assembled CuxS nanobrush arrays for overall water splitting. Nano Energy, 2021, 84, 105861.	16.0	62
51	Novel core-shell CuMo-oxynitride@N-doped graphene nanohybrid as multifunctional catalysts for rechargeable zinc-air batteries and water splitting. Nano Energy, 2021, 85, 105987.	16.0	89
52	Bifunctional Catalyst Derived from Sulfur-Doped VMoO_x Nanolayer Shelled Co Nanosheets for Efficient Water Splitting. ACS Applied Materials & Interfaces, 2021, 13, 42944-42956.	8.0	26
53	Cobalt-doped cerium oxide nanocrystals shelled 1D SnO2 structures for highly sensitive and selective xanthine detection in biofluids. Journal of Colloid and Interface Science, 2021, 600, 299-309.	9.4	11
54	Ruthenium single atoms implanted continuous MoS2-Mo2C heterostructure for high-performance and stable water splitting. Nano Energy, 2021, 88, 106277.	16.0	68

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55	Copper-Incorporated heterostructures of amorphous NiSex/Crystalline NiSe2 as an efficient electrocatalyst for overall water splitting. Chemical Engineering Journal, 2021, 422, 130048.	12.7	54
56	Activated CuNi@Ni Core@shell structures via oxygen and nitrogen dual coordination assembled on 3D CNTs-graphene hybrid for high-performance water splitting. Applied Catalysis B: Environmental, 2021, 294, 120263.	20.2	44
57	Covalently bonded boron nitride quantum dot and reduced graphene oxide composite electrode for highly efficient supercapacitors. Composites Part B: Engineering, 2021, 222, 109089.	12.0	21
58	Rational construction of Au@Co2N0.67 nanodots-interspersed 3D interconnected N-graphene hollow sphere network for efficient water splitting and Zn-air battery. Nano Energy, 2021, 89, 106420.	16.0	26
59	Preparation of functionalized MXene-stitched-graphene oxide/poly (ethylene-co-acrylic acid) nanocomposite with enhanced hydrogen gas barrier properties. Journal of Membrane Science, 2021, 640, 119839.	8.2	29
60	Highly Effective Freshwater and Seawater Electrolysis Enabled by Atomic Rhâ€Modulated Coâ€CoO Lateral Heterostructures. Small, 2021, 17, e2103826.	10.0	47
61	Efficient energy storage performance of in situ grown Co3V2O8-RGO composite nanostructure for high performance asymmetric Co3V2O8-RGO//RGO supercapacitors and consequence of magnetic field induced enhanced capacity. Composites Part B: Engineering, 2021, 227, 109384.	12.0	17
62	Interfacial engineering for design of novel 2D cobalt sulfide-Mxene heterostructured catalyst toward alkaline water splitting. Functional Composites and Structures, 2021, 3, 045005.	3.4	18
63	Hierarchical 3D structured nanoporous Co₉S₈@Ni_x:Mo_yâ€“Se coreâ€“shell nanowire array electrodes for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2021, 9, 27503-27517.	10.3	30
64	Benzodithiophene-thienopyrroledione-thienothiophene-based random copolymeric hole transporting material for perovskite solar cell. Chemical Engineering Journal, 2020, 382, 122830.	12.7	16
65	Hierarchical three-dimensional framework interface assembled from oxygen-doped cobalt phosphide layer-shelled metal nanowires for efficient electrocatalytic water splitting. Applied Catalysis B: Environmental, 2020, 261, 118268.	20.2	87
66	Ternary graphene-carbon nanofibers-carbon nanotubes structure for hybrid supercapacitor. Chemical Engineering Journal, 2020, 380, 122543.	12.7	157
67	Advanced Cu0.5Co0.5Se2 nanosheets and MXene electrodes for high-performance asymmetric supercapacitors. Chemical Engineering Journal, 2020, 385, 123455.	12.7	55
68	Zinc-nickel-cobalt oxide@NiMoO4 core-shell nanowire/nanosheet arrays for solid state asymmetric supercapacitors. Chemical Engineering Journal, 2020, 384, 123357.	12.7	133
69	Hexagonal boron nitride-carbon nanotube hybrid network structure for enhanced thermal, mechanical and electrical properties of polyimide nanocomposites. Composites Science and Technology, 2020, 188, 107977.	7.8	23
70	Highly reversible water splitting cell building from hierarchical 3D nickel manganese oxyphosphide nanosheets. Nano Energy, 2020, 69, 104432.	16.0	74
71	Vertically grown and intertwined Co(OH)2 nanosheet@Ni-mesh network for transparent flexible supercapacitor. Chemical Engineering Journal, 2020, 391, 123540.	12.7	44
72	Rational design of a highly mesoporous Feâ€“Nâ€“C/Fe₃C/Câ€“Sâ€“C nanohybrid with dense active sites for superb electrocatalysis of oxygen reduction. Journal of Materials Chemistry A, 2020, 8, 23436-23454.	10.3	33

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73	ZnSâ€“Ni₇S₆ Nanosheet Arrays Wrapped with Nanopetals of Ni(OH)₂ as a Novel Coreâ€“Shell Electrode Material for Asymmetric Supercapacitors with High Energy Density and Cycling Stability Performance. ACS Applied Materials & Interfaces, 2020, 12, 47377-47388.	8.0	49
74	Hierarchical CoS@MoS2 core-shell nanowire arrays as free-standing electrodes for high-performance asymmetric supercapacitors. Journal of Alloys and Compounds, 2020, 825, 154085.	5.5	19
75	High-performance solid-state hybrid supercapacitor enabled by metalâ€“organic framework-derived multi-component hybrid electrodes of Coâ€“Nâ€“C nanofibers and Co_{2â^'x}Fe_xPâ€“Nâ€“C micropillars. Journal of Materials Chemistry A, 2020, 8, 26158-26174.	10.3	53
76	Effects of the addition of boric acid on the physical properties of MXene/polyvinyl alcohol (PVA) nanocomposite. Composites Part B: Engineering, 2020, 199, 108205.	12.0	69
77	One-Pot Hydrothermal Synthesis of La-Doped ZnIn2S4 Microspheres with Improved Visible-Light Photocatalytic Performance. Nanomaterials, 2020, 10, 2026.	4.1	23
78	Covalent doping of Ni and P on 1T-enriched MoS₂ bifunctional 2D-nanostructures with active basal planes and expanded interlayers boosts electrocatalytic water splitting. Journal of Materials Chemistry A, 2020, 8, 19654-19664.	10.3	41
79	Hierarchical 3D Oxygenated Cobalt Vanadium Selenide Nanosheets as Advanced Electrode for Flexible Zincâ€“Cobalt and Zincâ€“Air Batteries. Small, 2020, 16, e2004661.	10.0	54
80	One-step electrodeposited MoS₂@Ni-mesh electrode for flexible and transparent asymmetric solid-state supercapacitors. Journal of Materials Chemistry A, 2020, 8, 24040-24052.	10.3	34
81	Freestanding 1Tâ€Mn_xMo_{1â€“}_xS_{2â€“}_ySe_y and MoFe₂S_{4â€“}_zSe_z Ultrathin Nanosheetâ€Structured Electrodes for Highly Efficient Flexible Solidâ€State Asymmetric Supercapacitors. Small, 2020, 16, e2001691.	10.0	43
82	Molybdenum and Phosphorous Dual Doping in Cobalt Monolayer Interfacial Assembled Cobalt Nanowires for Efficient Overall Water Splitting. Advanced Functional Materials, 2020, 30, 2002533.	14.9	107
83	Highly efficient overall water splitting over a porous interconnected network by nickel cobalt oxysulfide interfacial assembled Cu@Cu₂S nanowires. Journal of Materials Chemistry A, 2020, 8, 14746-14756.	10.3	34
84	Colorimetric/naked eye detection of arsenic ions in aqueous medium by mango flower extract: A facile and novel approach. Applied Surface Science, 2020, 513, 145760.	6.1	12
85	Tunable construction of FexCo3-xSe4 nanostructures as advanced electrode for boosting capacity and energy density. Chemical Engineering Journal, 2020, 390, 124557.	12.7	43
86	Rational Design of Core@shell Structured CoS_x@Cu₂MoS₄ Hybridized MoS₂/N,Sâ€Codoped Graphene as Advanced Electrocatalyst for Water Splitting and Znâ€Air Battery. Advanced Energy Materials, 2020, 10, 1903289.	19.5	179
87	Flexible transparent supercapacitor with core-shell Cu@Ni@NiCoS nanofibers network electrode. Chemical Engineering Journal, 2020, 395, 125019.	12.7	82
88	Hierarchical Manganeseâ€“Nickel Sulfide Nanosheet Arrays as an Advanced Electrode for All-Solid-State Asymmetric Supercapacitors. ACS Applied Materials & Interfaces, 2020, 12, 21505-21514.	8.0	85
89	Hierarchical 3D Oxygenated Cobalt Molybdenum Selenide Nanosheets as Robust Trifunctional Catalyst for Water Splitting and Zincâ€“Air Batteries. Small, 2020, 16, e2000797.	10.0	52
90	All ternary metal selenide nanostructures for high energy flexible charge storage devices. Nano Energy, 2019, 65, 103999.	16.0	152

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91	Fabrication of Coâ€“Niâ€“Zn ternary Oxide@NiWO4 core-shell nanowire arrays and Fe2O3-CNTs@GF for ultra-high-performance asymmetric supercapacitor. Composites Part B: Engineering, 2019, 176, 107223.	12.0	49
92	Metalâ€“Organic Frameworkâ€Derived Fe/Coâ€based Bifunctional Electrode for H₂ Production through Water and Urea Electrolysis. ChemSusChem, 2019, 12, 4810-4823.	6.8	64
93	Effects of the composition of reduced graphene oxide/carbon nanofiber nanocomposite on charge storage behaviors. Composites Part B: Engineering, 2019, 178, 107500.	12.0	30
94	Nitrogen-doped graphene encapsulated cobalt iron sulfide as an advanced electrode for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2019, 7, 3941-3952.	10.3	74
95	Facile synthesis of N-doped graphene supported porous cobalt molybdenum oxynitride nanodendrites for the oxygen reduction reaction. Nanoscale, 2019, 11, 1205-1216.	5.6	27
96	g-C₃N₄ templated synthesis of the Fe₃C@NSC electrocatalyst enriched with Feâ€“N_x active sites for efficient oxygen reduction reaction. Journal of Materials Chemistry A, 2019, 7, 16920-16936.	10.3	91
97	Bioinspired silver nanoparticles/reduced graphene oxide nanocomposites for catalytic reduction of 4-nitrophenol, organic dyes and act as energy storage electrode material. Composites Part B: Engineering, 2019, 173, 106924.	12.0	51
98	Boosting the Energy Density of Flexible Solid-State Supercapacitors via Both Ternary NiV₂Se₄ and NiFe₂Se₄ Nanosheet Arrays. Chemistry of Materials, 2019, 31, 4490-4504.	6.7	138
99	Hierarchical Cu@CuxO nanowires arrays-coated gold nanodots as a highly sensitive self-supported electrocatalyst for L-cysteine oxidation. Biosensors and Bioelectronics, 2019, 139, 111327.	10.1	30
100	Hydrothermal fabrication of MnCO3@rGO: A promising anode material for potassium-ion batteries. Applied Surface Science, 2019, 484, 1161-1167.	6.1	17
101	Mesoporous iron sulfide nanoparticles anchored graphene sheet as an efficient and durable catalyst for oxygen reduction reaction. Journal of Power Sources, 2019, 427, 91-100.	7.8	45
102	Hierarchically porous nickelâ€“cobalt phosphide nanoneedle arrays loaded micro-carbon spheres as an advanced electrocatalyst for overall water splitting application. Applied Catalysis B: Environmental, 2019, 253, 235-245.	20.2	105
103	Hierarchical design of Cu-Ni(OH)2/Cu-MnxOy core/shell nanosheet arrays for ultra-high performance of asymmetric supercapacitor. Chemical Engineering Journal, 2019, 369, 705-715.	12.7	49
104	Kirkendall Growth and Ostwald Ripening Induced Hierarchical Morphology of Niâ€“Co LDH/MMoS_x (M = Co, Ni, and Zn) Heteronanostructures as Advanced Electrode Materials for Asymmetric Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 11555-11567.	8.0	129
105	Metalâ€“organic framework derived hierarchical copper cobalt sulfide nanosheet arrays for high-performance solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2019, 7, 8620-8632.	10.3	129
106	Preparation of modified graphene oxide/polyethyleneimine film with enhanced hydrogen barrier properties by reactive layer-by-layer self-assembly. Composites Part B: Engineering, 2019, 166, 663-672.	12.0	28
107	Mesoporous layered spinel zinc manganese oxide nanocrystals stabilized nitrogen-doped graphene as an effective catalyst for oxygen reduction reaction. Journal of Colloid and Interface Science, 2019, 545, 43-53.	9.4	18
108	Constructing MoP_x@MnP_y Heteronanoparticle-Supported Mesoporous N,P-Codoped Graphene for Boosting Oxygen Reduction and Oxygen Evolution Reaction. Chemistry of Materials, 2019, 31, 2892-2904.	6.7	71

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109	A coreâ€“shell MnO₂@Au nanofiber network as a high-performance flexible transparent supercapacitor electrode. Journal of Materials Chemistry A, 2019, 7, 10672-10683.	10.3	83
110	Pt nanodots monolayer modified mesoporous Cu@CuxO nanowires for improved overall water splitting reactivity. Nano Energy, 2019, 59, 216-228.	16.0	107
111	Rational design of ultrathin 2D tin nickel selenide nanosheets for high-performance flexible supercapacitors. Journal of Materials Chemistry A, 2019, 7, 24462-24476.	10.3	44
112	A spinel MnCo2O4/NG 2D/2D hybrid nanoarchitectures as advanced electrode material for high performance hybrid supercapacitors. Journal of Alloys and Compounds, 2019, 771, 810-820.	5.5	52
113	Embedded PEDOT:PSS/AgNFs network flexible transparent electrode for solid-state supercapacitor. Chemical Engineering Journal, 2019, 359, 197-207.	12.7	84
114	Electrochemical synthesis of palladium (Pd) nanorods: An efficient electrocatalyst for methanol and hydrazine electro-oxidation. Composites Part B: Engineering, 2018, 144, 11-18.	12.0	36
115	Hierarchical 3D Znâ€“Niâ€“P nanosheet arrays as an advanced electrode for high-performance all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 8669-8681.	10.3	116
116	Hierarchical porous framework of ultrasmall PtPd alloy-integrated graphene as active and stable catalyst for ethanol oxidation. Composites Part B: Engineering, 2018, 143, 96-104.	12.0	36
117	Static and Dynamic Mechanical Properties of Graphene Oxide-Incorporated Woven Carbon Fiber/Epoxy Composite. Journal of Materials Engineering and Performance, 2018, 27, 1138-1147.	2.5	42
118	CuAg@Ag Coreâ€“Shell Nanostructure Encapsulated by N-Doped Graphene as a High-Performance Catalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2018, 10, 4672-4681.	8.0	71
119	CdS-CoFe₂O₄@Reduced Graphene Oxide Nanohybrid: An Excellent Electrode Material for Supercapacitor Applications. Industrial & Engineering Chemistry Research, 2018, 57, 1350-1360.	3.7	45
120	Hierarchical material of carbon nanotubes grown on carbon nanofibers for high performance electrochemical capacitor. Chemical Engineering Journal, 2018, 345, 39-47.	12.7	66
121	Hierarchical nanohoneycomb-like CoMoO₄â€“MnO₂ coreâ€“shell and Fe₂O₃ nanosheet arrays on 3D graphene foam with excellent supercapacitive performance. Journal of Materials Chemistry A, 2018, 6, 7182-7193.	10.3	116
122	Recent advances in two-dimensional transition metal dichalcogenides-graphene heterostructured materials for electrochemical applications. Progress in Materials Science, 2018, 96, 51-85.	32.8	132
123	Enhanced gas barrier and anticorrosion performance of boric acid induced cross-linked poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overloc	10.3	50
124	Facile synthesis of 4,4â€²-diaminostilbene-2,2â€²-disulfonic-acid-grafted reduced graphene oxide and its application as a high-performance asymmetric supercapacitor. Chemical Engineering Journal, 2018, 333, 170-184.	12.7	23
125	Green synthesis of glucose-reduced graphene oxide supported Ag-Cu 2 O nanocomposites for the enhanced visible-light photocatalytic activity. Composites Part B: Engineering, 2018, 138, 35-44.	12.0	80
126	Zn-doped SnO₂ nano-urchin-enriched 3D carbonaceous framework for supercapacitor application. New Journal of Chemistry, 2018, 42, 955-963.	2.8	34

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127	Novel hydroxylated boron nitride functionalized p-phenylenediamine-grafted graphene: an excellent filler for enhancing the barrier properties of polyurethane. Journal of Materials Chemistry A, 2018, 6, 21501-21515.	10.3	53
128	An advanced sandwich-type architecture of MnCo₂O₄@Nâ€“C@MnO₂ as an efficient electrode material for a high-energy density hybrid asymmetric solid-state supercapacitor. Journal of Materials Chemistry A, 2018, 6, 24509-24522.	10.3	102
129	Remarkable Bifunctional Oxygen and Hydrogen Evolution Electrocatalytic Activities with Trace-Level Fe Doping in Ni- and Co-Layered Double Hydroxides for Overall Water-Splitting. ACS Applied Materials & Interfaces, 2018, 10, 42453-42468.	8.0	107
130	A New Class of Zn₁_{â€x}Fe_xâ€“Oxyselenide and Zn_{1â€x}_xFe_xâ€“LDH Nanostructured Material with Remarkable Bifunctional Oxygen and Hydrogen Evolution Electrocatalytic Activities for Overall Water Splitting. Small, 2018, 14, e1803638.	10.0	56
131	Nitrogen-Doped Graphene-Encapsulated Nickel Cobalt Nitride as a Highly Sensitive and Selective Electrode for Glucose and Hydrogen Peroxide Sensing Applications. ACS Applied Materials & Interfaces, 2018, 10, 35847-35858.	8.0	75
132	Flexible Solidâ€State Asymmetric Supercapacitors Based on Nitrogenâ€Doped Graphene Encapsulated Ternary Metalâ€Nitrides with Ultralong Cycle Life. Advanced Functional Materials, 2018, 28, 1804663.	14.9	212
133	Red, green, and blue fluorescent folate-receptor-targeting carbon dots for cervical cancer cellular and tissue imaging. Materials Science and Engineering C, 2018, 93, 1054-1063.	7.3	33
134	Hierarchical Flowerlike Highly Synergistic Three-Dimensional Iron Tungsten Oxide Nanostructure-Anchored Nitrogen-Doped Graphene as an Efficient and Durable Electrocatalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2018, 10, 32220-32232.	8.0	48
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