Yujin Chen

List of Publications by Year
in descending order

105 papers	8,940 citations	28274 55 h-index	40979 93 g-index
105 all docs	105 docs citations	105 times ranked	8398 citing authors

#	Article	IF	Citations
1	Graphene/polyaniline nanorod arrays: synthesis and excellent electromagnetic absorption properties. Journal of Materials Chemistry, 2012, 22, 21679.	6.7	455
2	Coupling Hollow Fe_3O_4–Fe Nanoparticles with Graphene Sheets for High-Performance Electromagnetic Wave Absorbing Material. ACS Applied Materials & Interfaces, 2016, 8, 3730-3735.	8.0	427
3	Synthesis and H_2S Sensing Properties of CuO˜SnO_2 Core/Shell PN-Junction Nanorods. Journal of Physical Chemistry C, 2008, 112, 12157-12160.	3.1	258
4	CoNi nanoparticles encapsulated by nitrogen-doped carbon nanotube arrays on reduced graphene oxide sheets for electromagnetic wave absorption. Chemical Engineering Journal, 2020, 383, 123208.	12.7	246
5	Growth of Ultrathin MoS_2 Nanosheets with Expanded Spacing of (002) Plane on Carbon Nanotubes for High-Performance Sodium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2014, 6, 21880-21885.	8.0	230
6	Fe–Ni–Mo Nitride Porous Nanotubes for Full Water Splitting and Zn–Air Batteries. Advanced Energy Materials, 2018, 8, 1802327.	19.5	227
7	Hollow N-Doped Carbon Polyhedron Containing CoNi Alloy Nanoparticles Embedded within Few-Layer N-Doped Graphene as High-Performance Electromagnetic Wave Absorbing Material. ACS Applied Materials & Interfaces, 2018, 10, 24920-24929.	8.0	224
8	Three-dimensional SiO2@Fe3O4 core/shell nanorod array/graphene architecture: synthesis and electromagnetic absorption properties. Nanoscale, 2013, 5, 12296.	5.6	206
9	Graphene–Fe3O4 nanohybrids: Synthesis and excellent electromagnetic absorption properties. Journal of Applied Physics, 2013, 113, .	2.5	203
10	Molybdenum carbide nanocrystal embedded N-doped carbon nanotubes as electrocatalysts for hydrogen generation. Journal of Materials Chemistry A, 2015, 3, 5783-5788.	10.3	198
11	Bimetallic Ni–Mo nitride nanotubes as highly active and stable bifunctional electrocatalysts for full water splitting. Journal of Materials Chemistry A, 2017, 5, 13648-13658.	10.3	191
12	N-doped reduced graphene oxide aerogels containing pod-like N-doped carbon nanotubes and FeNi nanoparticles for electromagnetic wave absorption. Carbon, 2020, 159, 357-365.	10.3	185
13	An ultra-small $NiFe_2O_4$ hollow particle/graphene hybrid: fabrication and electromagnetic wave absorption property. Nanoscale, 2018, 10, 2697-2703.	5.6	184
14	Three-Dimensional Hierarchical MoS_2 Nanosheets/Ultralong N-Doped Carbon Nanotubes as High-Performance Electromagnetic Wave Absorbing Material. ACS Applied Materials & Interfaces, 2018, 10, 14108-14115.	8.0	170
15	Ultrathin $MoSe_2$ Nanosheets Decorated on Carbon Fiber Cloth as Binder-Free and High-Performance Electrocatalyst for Hydrogen Evolution. ACS Applied Materials & Interfaces, 2015, 7, 14170-14175.	8.0	165
16	Two-dimensional net-like SnO_2/ZnO heteronanostructures for high-performance H_2S gas sensor. Journal of Materials Chemistry A, 2016, 4, 1390-1398.	10.3	161
17	Hollow CoP nanopaticle/N-doped graphene hybrids as highly active and stable bifunctional catalysts for full water splitting. Nanoscale, 2016, 8, 10902-10907.	5.6	158
18	Nickel Nanoparticle Encapsulated in Few-Layer Nitrogen-Doped Graphene Supported by Nitrogen-Doped Graphite Sheets as a High-Performance Electromagnetic Wave Absorbing Material. ACS Applied Materials & Interfaces, 2018, 10, 1399-1407.	8.0	155

#	Article	IF	Citations
19	Hierarchical nanosheet-based NiMoO$_4$ nanotubes: synthesis and high supercapacitor performance. Journal of Materials Chemistry A, 2015, 3, 739-745.	10.3	151
20	Three-Dimensional Hierarchical Architectures Constructed by Graphene/MoS$_2$ Nanoflake Arrays and Their Rapid Charging/Discharging Properties as Lithium-Ion Battery Anodes. Chemistry - A European Journal, 2013, 19, 5818-5823.	3.3	141
21	Lightweight, Fire-Retardant, and Anti-Compressed Honeycombed-Like Carbon Aerogels for Thermal Management and High-Efficiency Electromagnetic Absorbing Properties. Small, 2021, 17, e2102032.	10.0	141
22	Super-Stable, High-Quality Fe3O4 Dendron-Nanocrystals Dispersible in Both Organic and Aqueous Solutions. Advanced Materials, 2005, 17, 1429-1432.	21.0	140
23	Hierarchical nanosheet-based CoMoO$_4$–NiMoO$_4$ nanotubes for applications in asymmetric supercapacitors and the oxygen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 22750-22758.	10.3	140
24	Hierarchical nickel–cobalt phosphide yolk–shell spheres as highly active and stable bifunctional electrocatalysts for overall water splitting. Nanoscale, 2016, 8, 19129-19138.	5.6	140
25	Self-supported NiMo-based nanowire arrays as bifunctional electrocatalysts for full water splitting. Journal of Materials Chemistry A, 2018, 6, 8479-8487.	10.3	134
26	Chemical Ni–C Bonding in Ni–Carbon Nanotube Composite by a Microwave Welding Method and Its Induced High-Frequency Radar Frequency Electromagnetic Wave Absorption. ACS Applied Materials & Interfaces, 2017, 9, 40412-40419.	8.0	128
27	A strategy to synergistically increase the number of active edge sites and the conductivity of MoS2 nanosheets for hydrogen evolution. Nanoscale, 2015, 7, 8731-8738.	5.6	116
28	Conductive CuCo-Based Bimetal Organic Framework for Efficient Hydrogen Evolution. Advanced Materials, 2021, 33, e2106781.	21.0	116
29	Large-Scale Synthesis of Three-Dimensional Reduced Graphene Oxide/Nitrogen-Doped Carbon Nanotube Heteronanostructures as Highly Efficient Electromagnetic Wave Absorbing Materials. ACS Applied Materials & Interfaces, 2019, 11, 39100-39108.	8.0	110
30	Metal organic framework-derived three-dimensional graphene-supported nitrogen-doped carbon nanotube spheres for electromagnetic wave absorption with ultralow filler mass loading. Carbon, 2019, 155, 233-242.	10.3	109
31	Self-supported cobalt nitride porous nanowire arrays as bifunctional electrocatalyst for overall water splitting. Electrochimica Acta, 2018, 273, 229-238.	5.2	98
32	Regulation of Morphology and Electronic Structure of FeCoNi Layered Double Hydroxides for Highly Active and Stable Water Oxidization Catalysts. Advanced Energy Materials, 2021, 11, .	19.5	94
33	Nitrogen-doped carbon nanosheets containing Fe3C nanoparticles encapsulated in nitrogen-doped graphene shells for high-performance electromagnetic wave absorbing materials. Carbon, 2018, 140, 368-376.	10.3	93
34	Electromagnetic absorption properties of graphene/Fe nanocomposites. Materials Research Bulletin, 2013, 48, 3362-3366.	5.2	92
35	N-Doped graphene-supported Co@CoO core–shell nanoparticles as high-performance bifunctional electrocatalysts for overall water splitting. Journal of Materials Chemistry A, 2016, 4, 12046-12053.	10.3	91
36	Cobalt-Encapsulated Nitrogen-Doped Carbon Nanotube Arrays for Flexible Zinc–Air Batteries. Small Methods, 2020, 4, 1900571.	8.6	91

#	Article	IF	Citations
37	Ultrasmall FeNi$_3$N particles with an exposed active (110) surface anchored on nitrogen-doped graphene for multifunctional electrocatalysts. Journal of Materials Chemistry A, 2019, 7, 1083-1091.	10.3	89
38	Enhanced electromagnetic wave absorption induced by void spaces in hollow nanoparticles. Nanoscale, 2018, 10, 18742-18748.	5.6	88
39	The surface engineering of cobalt carbide spheres through N, B co-doping achieved by room-temperature *in situ* anchoring effects for active and durable multifunctional electrocatalysts. Journal of Materials Chemistry A, 2019, 7, 14904-14915.	10.3	88
40	Ni/MoC heteronanoparticles encapsulated within nitrogen-doped carbon nanotube arrays as highly efficient self-supported electrodes for overall water splitting. Chemical Engineering Journal, 2021, 406, 126815.	12.7	88
41	N-doped carbon nanotube arrays on reduced graphene oxide as multifunctional materials for energy devices and absorption of electromagnetic wave. Carbon, 2021, 177, 216-225.	10.3	88
42	Atomically dispersed cobalt anchored on N-doped graphene aerogels for efficient electromagnetic wave absorption with an ultralow filler ratio. Applied Physics Reviews, 2022, 9, .	11.3	86
43	Identification of the Intrinsic Dielectric Properties of Metal Single Atoms for Electromagnetic Wave Absorption. Nano-Micro Letters, 2022, 14, 27.	27.0	86
44	Growth of CoFe$_2$O$_4$ hollow nanoparticles on graphene sheets for high-performance electromagnetic wave absorbers. Journal of Materials Chemistry C, 2018, 6, 12781-12787.	5.5	82
45	Self-supported N-doped CNT arrays for flexible Zn–air batteries. Journal of Materials Chemistry A, 2020, 8, 18162-18172.	10.3	81
46	Graphene/porous cobalt nanocomposite and its noticeable electrochemical hydrogen storage ability at room temperature. Journal of Materials Chemistry, 2012, 22, 5924.	6.7	79
47	Crystal Co$_x$B (*x* = 1–3) Synthesized by a Ball-Milling Method as High-Performance Electrocatalysts for the Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2017, 5, 10266-10274.	6.7	76
48	NiO/Ni/TiO2 nanocables with Schottky/p-n heterojunctions and the improved photocatalytic performance in water splitting under visible light. Journal of Colloid and Interface Science, 2018, 530, 1-8.	9.4	71
49	General Fabrication of 3D Hierarchically Structured Bamboo-like Nitrogen-Doped Carbon Nanotube Arrays on 1D Nitrogen-Doped Carbon Skeletons for Highly Efficient Electromagnetic Wave Energy Attenuation. ACS Applied Materials & Interfaces, 2020, 12, 40692-40701.	8.0	69
50	Electrochemically activated-iron oxide nanosheet arrays on carbon fiber cloth as a three-dimensional self-supported electrode for efficient water oxidation. Journal of Materials Chemistry A, 2016, 4, 6048-6055.	10.3	66
51	Branched polyaniline/molybdenum oxide organic/inorganic heteronanostructures: synthesis and electromagnetic absorption properties. Journal of Materials Chemistry A, 2013, 1, 11795.	10.3	63
52	Urchin-like Amorphous Nitrogen-Doped Carbon Nanotubes Encapsulated with Transition-Metal-Alloy@Graphene Core@Shell Nanoparticles for Microwave Energy Attenuation. ACS Applied Materials & Interfaces, 2020, 12, 9628-9636.	8.0	62
53	Highly Stable Three-Dimensional Porous Nickel-Iron Nitride Nanosheets for Full Water Splitting at High Current Densities. Chemistry - A European Journal, 2017, 23, 10187-10194.	3.3	61
54	Hierarchical Cobalt-Doped Molybdenum–Nickel Nitride Nanowires as Multifunctional Electrocatalysts. ACS Applied Materials & Interfaces, 2019, 11, 27751-27759.	8.0	59

#	Article	IF	Citations
55	Self-supported tripod-like nickel phosphide nanowire arrays for hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 22412-22419.	10.3	59
56	Ultrasmall Fe2O3 nanoparticles/MoS2 nanosheets composite as high-performance anode material for lithium ion batteries. Scientific Reports, 2017, 7, 42772.	3.3	57
57	Growth of Hollow Transition Metal (Fe, Co, Ni) Oxide Nanoparticles on Graphene Sheets through Kirkendall Effect as Anodes for High‐Performance Lithium‐Ion Batteries. Chemistry - A European Journal, 2016, 22, 1638-1645.	3.3	55
58	Porous one-dimensional Mo_2C–amorphous carbon composites: high-efficient and durable electrocatalysts for hydrogen generation. Physical Chemistry Chemical Physics, 2015, 17, 16609-16614.	2.8	52
59	Flexible and waterproof nitrogen-doped carbon nanotube arrays on cotton-derived carbon fiber for electromagnetic wave absorption and electric-thermal conversion. Chemical Engineering Journal, 2022, 433, 133794.	12.7	52
60	Hierarchical Hollow Spheres Assembled with Ultrathin CoMn Double Hydroxide Nanosheets as Trifunctional Electrocatalyst for Overall Water Splitting and Zn Air Battery. ACS Sustainable Chemistry and Engineering, 2018, 6, 14641-14651.	6.7	51
61	General strategy for fabrication of N-doped carbon nanotube/reduced graphene oxide aerogels for dissipation and conversion of electromagnetic energy. Journal of Materials Chemistry C, 2020, 8, 7847-7857.	5.5	51
62	Three dimensional graphene-supported nitrogen-doped carbon nanotube architectures for attenuation of electromagnetic energy. Journal of Materials Chemistry C, 2019, 7, 11868-11878.	5.5	50
63	Synthesis and enhanced nonlinear optical properties of graphene/CdS organic glass. Applied Physics Letters, 2013, 102, .	3.3	47
64	Growth of $Î3$-Fe_2O_3 nanosheet arrays on graphene for electromagnetic absorption applications. RSC Advances, 2014, 4, 21510-21516.	3.6	47
65	Partially contacted NixSy@N, S-codoped carbon yolk-shelled structures for efficient microwave absorption. Carbon, 2021, 182, 276-286.	10.3	47
66	Fast fabrication of ultrathin CoMn LDH nanoarray as flexible electrode for water oxidation. Electrochimica Acta, 2018, 283, 755-763.	5.2	46
67	Tailing size and impedance matching characteristic of nitrogen-doped carbon nanotubes for electromagnetic wave absorption. Carbon, 2021, 174, 79-89.	10.3	46
68	Growth of Fe_3O_4 Nanorod Arrays on Graphene Sheets for Application in Electromagnetic Absorption Fields. ChemPhysChem, 2014, 15, 2261-2266.	2.1	45
69	Pearl necklace-like CoMn-based nanostructures derived from metal-organic frames for enhanced electromagnetic wave absorption. Carbon, 2022, 188, 254-264.	10.3	40
70	The integration of Mo_2C-embedded nitrogen-doped carbon with Co encapsulated in nitrogen-doped graphene layers derived from metal‐organic-frameworks as a multi-functional electrocatalyst. Nanoscale, 2019, 11, 12563-12572.	5.6	39
71	Porous MoO_3/SnO_2 Nanoflakes with n–n Junctions for Sensing H_2S. ACS Applied Nano Materials, 2019, 2, 2418-2425.	5.0	39
72	Highly stable three-dimensional nickel‐iron oxyhydroxide catalysts for oxygen evolution reaction at high current densities. Electrochimica Acta, 2017, 245, 770-779.	5.2	37

#	Article	IF	Citations
73	Incorporation of CoO@Co yolk-shell nanoparticles and ZnO nanoparticles with graphene sheets as lightweight and high-performance electromagnetic wave absorbing material. Journal of Alloys and Compounds, 2017, 711, 552-559.	5.5	37
74	Grafting thin N-doped carbon nanotubes on hollow N-doped carbon nanoplates encapsulated with ultrasmall cobalt particles for microwave absorption. Chemical Engineering Journal, 2022, 435, 134846.	12.7	36
75	Tailoring electronic properties and polarization relaxation behavior of MoS2 monolayers for electromagnetic energy dissipation and wireless pressure micro-sensor. Chemical Engineering Journal, 2021, 425, 131700.	12.7	35
76	Synthesis and H2S sensing performance of MoO3/Fe2(MoO4)3 yolk/shell nanostructures. RSC Advances, 2015, 5, 37703-37709.	3.6	31
77	Dielectric behavior of single iron atoms dispersed on nitrogen-doped nanocarbon. Applied Physics Letters, 2020, 116, .	3.3	31
78	Hierarchically three-dimensional structure assembled with yolk-shelled spheres-supported nitrogen-doped carbon nanotubes for electromagnetic wave absorption. Carbon, 2021, 185, 177-185.	10.3	31
79	Mechanical alloying preparation of fullerene-like Co3C nanoparticles with high hydrogen storage ability. International Journal of Hydrogen Energy, 2012, 37, 17126-17130.	7.1	27
80	Micro-nanospheres assembled with helically coiled nitrogen-doped carbon nanotubes: Fabrication and microwave absorption properties. Materials and Design, 2020, 186, 108290.	7.0	27
81	Interface-induced enhanced electromagnetic wave absorption property of metal-organic frameworks wrapped by graphene sheets. Journal of Alloys and Compounds, 2019, 780, 718-726.	5.5	26
82	Near-Infrared Upconversion Mesoporous Tin Oxide Bio-Photocatalyst for H_2O_2-Activatable O_2-Generating Magnetic Targeting Synergetic Treatment. ACS Applied Materials & Interfaces, 2020, 12, 41047-41061.	8.0	26
83	Three-dimensional FeP nanotube arrays fabricated through electrostatic-repulsion-limited-nucleation strategy for high-efficiency hydrogen evolution. Chemical Engineering Journal, 2021, 423, 130240.	12.7	23
84	Nanointerface engineering of cobalt sulfide/manganese sulfate hollow spheres for electromagnetic wave absorption. Applied Surface Science, 2021, 554, 149238.	6.1	17
85	Fabrication of Fe/Fe3C-nanoparticles encapsulated nitrogen-doped carbon nanotubes with thin wall thickness as high-efficiency electromagnetic wave absorbing materials. Journal of Alloys and Compounds, 2022, 898, 162833.	5.5	17
86	Metal-organic framework interface engineering for highly efficient oxygen evolution reaction. Journal of Colloid and Interface Science, 2022, 619, 148-157.	9.4	16
87	Abundant hot-spot construction between Ni/C nanotubes with enhanced localized surface plasmon resonance for Radar wave absorption. Applied Surface Science, 2020, 504, 144592.	6.1	14
88	Three-dimensional architectures assembled with branched metal nanoparticle-encapsulated nitrogen-doped carbon nanotube arrays for absorption of electromagnetic wave. Journal of Alloys and Compounds, 2020, 821, 153267.	5.5	14
89	Monodisperse branched nickel carbide nanoparticles in situ grown on reduced graphene oxide with excellent electromagnetic absorption properties. Journal of Alloys and Compounds, 2022, 900, 163453.	5.5	13
90	MIL‑47(V) Derived V_2O_5@Carbon Core‑Shell Microcuboids with Oxygen Vacancies as Advanced Conversion Cathodes for High‑Performance Zinc‑Ion Batteries. ChemElectroChem, 2022, 9, .	3.4	12

#	Article	IF	Citations
91	Direct observation of chemical origins in crystalline $(Ni_xCo_{1-x})_2B$ oxygen evolution electrocatalysts. Catalysis Science and Technology, 2020, 10, 2165-2172.	4.1	10
92	The monodisperse nickel phosphide mosaic nanocrystals in situ grown on reduced graphene oxide with excellent electromagnetic wave absorption properties. Journal of Solid State Chemistry, 2021, 300, 122234.	2.9	10
93	$NiFe_2O_4$ hollow nanoparticles of small sizes on carbon nanotubes for oxygen evolution. Catalysis Science and Technology, 2020, 10, 6970-6976.	4.1	9
94	Interface engineering of metallic nickel nanoparticles/semiconductive nickel molybdate nanowires for efficiently electrocatalytic water splitting. Materials Today Nano, 2022, 18, 100176.	4.6	9
95	Tuning Dielectric Loss of SiO2@CNTs for Electromagnetic Wave Absorption. Nanomaterials, 2021, 11, 2636.	4.1	8
96	Hierarchically 3D bifunctional catalysts assembled with 1D MoC core/branched N-doped CNT arrays for zinc-air batteries. Electrochimica Acta, 2021, 367, 137522.	5.2	7
97	Dielectric relaxation and magnetic resonance of nitrogen-doped graphene-coated FeNi nanoparticles on nitrogen-doped carbon nanosheets. Journal of Alloys and Compounds, 2021, 854, 157212.	5.5	7
98	Synthesis and low-temperature sensing property of the porous ZnCo2O4 nanosheets. Journal of Materials Science: Materials in Electronics, 2019, 30, 5357-5365.	2.2	6
99	Nitrogen and Boron Co-Doped Carbon Nanotubes Embedded with Nickel Nanoparticles as Highly Efficient Electromagnetic Wave Absorbing Materials. Chinese Physics Letters, 2021, 38, 015201.	3.3	6
100	Photothermal-effect-promoted interfacial OH^- filling and the conversion of carrier type in $(Co_{1-x}Ni_x)_3C$ during water oxidation. Journal of Materials Chemistry A, 2022, 10, 8258-8267.	10.3	6
101	Controlled synthesis and shape-dependent electromagnetic wave absorption characteristics of porous Fe3O4 sub-micro particles. Science China: Physics, Mechanics and Astronomy, 2012, 55, 25-32.	5.1	5
102	Regulation of impedance matching feature and electronic structure of nitrogen-doped carbon nanotubes for high-performance electromagnetic wave absorption. Journal of Materials Science and Technology, 2022, 108, 1-9.	10.7	5
103	Atomically Dispersed Ni Single-Atoms Anchored on N-Doped Graphene Aerogels for Highly Efficient Electromagnetic Wave Absorption. Chinese Physics Letters, 2022, 39, 045201.	3.3	5
104	Monodisperse MnO nanoparticles in situ grown on reduced graphene oxide via hydrophobic interaction for excellent electromagnetic wave absorption. Journal of Materials Research, 2022, 37, 2175-2184.	2.6	3
105	Graphene/N-doped amorphous carbon sheet for hydrogen evolution. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.1	1