Yongsheng Yu

List of Publications by Citations

88 papers	2,845 citations	32 h-index	49 g-index
90 ext. papers	3,843 ext. citations	9 avg, IF	5.99 L-index

#	Paper	IF	Citations
88	A New Core/Shell NiAu/Au Nanoparticle Catalyst with Pt-like Activity for Hydrogen Evolution Reaction. *Journal of the American Chemical Society*, **2015**, 137, 5859-62	16.4	229
87	Monodisperse MPt (M = Fe, Co, Ni, Cu, Zn) nanoparticles prepared from a facile oleylamine reduction of metal salts. *Nano Letters*, **2014**, 14, 2778-82	11.5	137
86	Controlled Anisotropic Growth of Co-Fe-P from Co-Fe-O Nanoparticles. *Angewandte Chemie - International Edition*, **2015**, 54, 9642-5	16.4	119
85	Photocatalytic dehydrogenation of formic acid promoted by a superior PdAg@g-C3N4 Mott□Schottky heterojunction. *Journal of Materials Chemistry A*, **2019**, 7, 2022-2026	13	84
84	One-pot synthesis of magnetic graphene oxide composites as an efficient and recoverable adsorbent for Cd(II) and Pb(II) removal from aqueous solution. *Journal of Hazardous Materials*, **2020**, 381, 120914	12.8	84
83	One-pot synthesis of urchin-like FePd-Fe3O4 and their conversion into exchange-coupled L1(0)-FePd-Fe nanocomposite magnets. *Nano Letters*, **2013**, 13, 4975-9	11.5	82
82	Cobalt-substituted magnetite nanoparticles and their assembly into ferrimagnetic nanoparticle arrays. *Advanced Materials*, **2013**, 25, 3090-4	24	81
81	Efficient photocatalytic reduction of Cr(VI) in aqueous solution over CoS2/g-C3N4-rGO nanocomposites under visible light. *Applied Surface Science*, **2020**, 510, 145495	6.7	69
80	Porous layered stacked MnCoO cubes with enhanced electrochemical capacitive performance. *Nanoscale*, **2018**, 10, 2218-2225	7.7	62
79	Comparison of the stem-loop and linear probe-based electrochemical DNA sensors by alternating current voltammetry and cyclic voltammetry. *Langmuir*, **2011**, 27, 14669-77	4	57
78	Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. *Angewandte Chemie - International Edition*, **2021**, 60, 8243-8250	16.4	55
77	Hierarchical core-shell electrode with NiWO nanoparticles wrapped MnCoO nanowire arrays on Ni foam for high-performance asymmetric supercapacitors. *Journal of Colloid and Interface Science*, **2020**, 563, 405-413	9.3	53
76	Room-Temperature Chemoselective Reduction of 3-Nitrostyrene to 3-Vinylaniline by Ammonia Borane over Cu Nanoparticles. *Journal of the American Chemical Society*, **2018**, 140, 16460-16463	16.4	51
75	Schiff-base-rich g-CxN4 supported PdAg nanowires as an efficient Mott□Schottky catalyst boosting photocatalytic dehydrogenation of formic acid. *Rare Metals*, **2021**, 40, 808-816	5.5	49
74	3D ordered mesoporous cobalt ferrite phosphides for overall water splitting. *Science China Materials*, **2020**, 63, 240-248	7.1	48
73	Direct chemical synthesis of L1(0)-FePtAu nanoparticles with high coercivity. *Nanoscale*, **2014**, 6, 12050-5	7.7	47
72	Ni nanoparticles supported on graphitic carbon nitride as visible light catalysts for hydrolytic dehydrogenation of ammonia borane. *Nanoscale*, **2019**, 11, 3506-3513	7.7	46

71	Nitrogen-rich g-CN@AgPd Mott-Schottky heterojunction boosts photocatalytic hydrogen production from water and tandem reduction of NO and NO. *Journal of Colloid and Interface Science*, **2021**, 581, 619-626	9.3	45
70	Lavender-Like Ga-Doped Pt3Co Nanowires for Highly Stable and Active Electrocatalysis. *ACS Catalysis*, **2020**, 10, 3018-3026	13.1	42
69	High-performance asymmetric supercapacitors based on monodisperse MnO nanocrystals with high energy densities. *Nanoscale*, **2018**, 10, 15926-15931	7.7	42
68	Controlled synthesis and assembly into anisotropic arrays of magnetic cobalt-substituted magnetite nanocubes. *Nanoscale*, **2015**, 7, 2877-82	7.7	42
67	Folding-based electrochemical DNA sensor fabricated on a gold-plated screen-printed carbon electrode. *Chemical Communications*, **2009**, 2902-4	5.8	41
66	Highly efficient and ultrafast removal of Cr(VI)in aqueous solution to ppb level by poly(allylamine hydrochloride) covalently cross-linked amino-modified graphene oxide. *Journal of Hazardous Materials*, **2021**, 409, 124470	12.8	40
65	From FePt□e3O4 to L10-FePt□e nanocomposite magnets with a gradient interface. *Journal of Materials Chemistry C*, **2015**, 3, 7075-7080	7.1	39
64	Interface engineering: PSS-PPy wrapping amorphous Ni-Co-P for enhancing neutral-pH hydrogen evolution reaction performance. *Chemical Engineering Journal*, **2021**, 417, 129232	14.7	39
63	Enhanced electron transfer and light absorption on imino polymer capped PdAg nanowire networks for efficient room-temperature dehydrogenation of formic acid. *Journal of Materials Chemistry A*, **2018**, 6, 1979-1984	13	37
62	Hierarchical mesoporous Co3O4@ZnCo2O4 hybrid nanowire arrays supported on Ni foam for high-performance asymmetric supercapacitors. *Science China Materials*, **2018**, 61, 1167-1176	7.1	36
61	Monodisperse PtCu alloy nanoparticles as highly efficient catalysts for the hydrolytic dehydrogenation of ammonia borane. *International Journal of Hydrogen Energy*, **2018**, 43, 14293-14300	6.7	35
60	Halide Ion-Mediated Synthesis of L1-FePt Nanoparticles with Tunable Magnetic Properties. *Nano Letters*, **2018**, 18, 7839-7844	11.5	34
59	A general strategy for bimetallic Pt-based nano-branched structures as highly active and stable oxygen reduction and methanol oxidation bifunctional catalysts. *Nano Research*, **2020**, 13, 638-645	10	33
58	A general strategy for synthesizing high-coercivity L1-FePt nanoparticles. *Nanoscale*, **2017**, 9, 12855-12861	7.7	33
57	Engineering defects and adjusting electronic structure on S doped MoO2 nanosheets toward highly active hydrogen evolution reaction. *Nano Research*, **2020**, 13, 121-126	10	33
56	A dual-signalling electrochemical DNA sensor based on target hybridization-induced change in DNA probe flexibility. *Chemical Communications*, **2012**, 48, 8703-5	5.8	32
55	Designing shape anisotropic SmCo particles by chemical synthesis to reveal the morphological evolution mechanism. *Nanoscale*, **2018**, 10, 10377-10382	7.7	32
54	Enhancing electrochemical detection of dopamine via dumbbell-like FePt-FeO nanoparticles. *Nanoscale*, **2017**, 9, 1022-1027	7.7	31

53	Ordered mesoporous spinel CoFe2O4 as efficient electrocatalyst for the oxygen evolution reaction. *Journal of Electroanalytical Chemistry*, **2019**, 840, 409-414	4.1	31
52	Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. *Angewandte Chemie - International Edition*, **2019**, 58, 602-606	16.4	31
51	Sub-Monolayer YO /MoO on Ultrathin Pt Nanowires Boosts Alcohol Oxidation Electrocatalysis. *Advanced Materials*, **2021**, 33, e2103762	24	31
50	FeO nanoparticles coated with ultra-thin carbon layer for polarization-controlled microwave absorption performance. *Journal of Colloid and Interface Science*, **2021**, 600, 382-389	9.3	31
49	High-density defects on PdAg nanowire networks as catalytic hot spots for efficient dehydrogenation of formic acid and reduction of nitrate. *Nanoscale*, **2017**, 9, 9305-9309	7.7	30
48	Surface Pd-rich PdAg nanowires as highly efficient catalysts for dehydrogenation of formic acid and subsequent hydrogenation of adiponitrile. *Journal of Materials Chemistry A*, **2018**, 6, 17323-17328	13	30
47	Three-dimensional foam-like Fe3O4@C core-shell nanocomposites: Controllable synthesis and wideband electromagnetic wave absorption properties. *Journal of Magnetism and Magnetic Materials*, **2020**, 502, 166518	2.8	29
46	Folding-based electrochemical DNA sensor fabricated by "click" chemistry. *Chemical Communications*, **2009**, 4835-7	5.8	28
45	Building P-doped MoS2/g-C3N4 layered heterojunction with a dual-internal electric field for efficient photocatalytic sterilization. *Chemical Engineering Journal*, **2022**, 429, 132588	14.7	28
44	Modulating the surface segregation of PdCuRu nanocrystals for enhanced all-pH hydrogen evolution electrocatalysis. *Journal of Materials Chemistry A*, **2019**, 7, 20151-20157	13	27
43	L-Cysteine capped Mo2C/Zn0.67Cd0.33S heterojunction with intimate covalent bonds enables efficient and stable H2-Releasing photocatalysis. *Chemical Engineering Journal*, **2022**, 428, 132628	14.7	26
42	Hole-rich CoP nanosheets with an optimized d-band center for enhancing pH-universal hydrogen evolution electrocatalysis. *Journal of Materials Chemistry A*, **2021**, 9, 8561-8567	13	26
41	Bifunctional networked Ag/AgPd core/shell nanowires for the highly efficient dehydrogenation of formic acid and subsequent reduction of nitrate and nitrite in water. *Journal of Materials Chemistry A*, **2018**, 6, 4611-4616	13	25
40	Engineering sulfur vacancies in basal plane of MoS2 for enhanced hydrogen evolution reaction. *Journal of Catalysis*, **2020**, 391, 91-97	7.3	25
39	Z-Scheme Mo2C/MoS2/In2S3 dual-heterojunctions for the photocatalytic reduction of Cr(VI). *Journal of Materials Chemistry A*, **2021**, 9, 10297-10303	13	23
38	Amino-assisted AHMT anchored on graphene oxide as high performance adsorbent for efficient removal of Cr(VI) and Hg(II) from aqueous solutions under wide pH range. *Journal of Hazardous Materials*, **2021**, 416, 125825	12.8	23
37	Facile synthesis of highly ordered mesoporous FeO with ultrasensitive detection of dopamine. *Talanta*, **2019**, 201, 511-518	6.2	22
36	Fabrication, characterization, and magnetic properties of exchange-coupled porous BaFeAlO/CoZnFeO nanocomposite magnets. *Nanoscale*, **2019**, 11, 10629-10635	7.7	22

35	Effect of diluent chain length on the performance of the electrochemical DNA sensor at elevated temperature. *Analyst, The*, **2011**, 136, 134-9	5	22
34	Amino-functionalized graphene oxide-supported networked Pd-Ag nanowires as highly efficient catalyst for reducing Cr(VI) in industrial effluent by formic acid. *Chemosphere*, **2020**, 257, 127245	8.4	21
33	A highly sensitive sensor based on ordered mesoporous ZnFeO for electrochemical detection of dopamine. *Analytica Chimica Acta*, **2020**, 1096, 26-33	6.6	21
32	Activating interfacial S sites of MoS2 boosts hydrogen evolution electrocatalysis. *Nano Research*,1	10	21
31	Controlled Anisotropic Growth of Co-Fe-P from Co-Fe-O Nanoparticles. *Angewandte Chemie*, **2015**, 127, 9778-9781	3.6	20
30	Highly efficient recovery of heavy rare earth elements by using an amino-functionalized magnetic graphene oxide with acid and base resistance. *Journal of Hazardous Materials*, **2022**, 424, 127370	12.8	18
29	Cu induced low temperature ordering of fct-FePtCu nanoparticles prepared by solution phase synthesis. *Journal of Materials Chemistry C*, **2019**, 7, 11632-11638	7.1	17
28	Structural Regulation of Pd-Based Nanoalloys for Advanced Electrocatalysis. *Small Science*, **2021**, 1, 2100061		17
27	Structural engineering of Fe-doped Ni2P nanosheets arrays for enhancing bifunctional electrocatalysis towards overall water splitting. *Applied Surface Science*, **2021**, 536, 147909	6.7	17
26	Activating the MoS Basal Plane by Controllable Fabrication of Pores for an Enhanced Hydrogen Evolution Reaction. *Chemistry - A European Journal*, **2018**, 24, 19075-19080	4.8	14
25	A facile solution-phase synthesis of cobalt phosphide nanorods/hollow nanoparticles. *Nanoscale*, **2016**, 8, 4898-902	7.7	13
24	High-Index Faceted PdPtCu Ultrathin Nanorings Enable Highly Active and Stable Oxygen Reduction Electrocatalysis.. *Small Methods*, **2021**, 5, e2100154	12.8	12
23	Fabrication of NiC/MoC/NiMoO Heterostructured Nanorod Arrays as Stable Bifunctional Electrocatalysts for Efficient Overall Water Splitting. *Chemistry - an Asian Journal*, **2019**, 14, 1013-1020	4.5	11
22	A Bidentate Ru(II)-NC Complex as a Catalyst for Semihydrogenation of Alkynes to (E)-Alkenes with Ethanol. *Organometallics*, **2020**, 39, 862-869	3.8	10
21	Disposable multiplexed electrochemical sensors based on electro-triggered selective immobilization of probes for simultaneous detection of DNA and proteins. *Journal of Materials Chemistry B*, **2020**, 8, 7501-7510	7.3	10
20	Structure and magnetic properties of cobalt ferrite foam with low mass density. *Journal of Alloys and Compounds*, **2019**, 790, 947-954	5.7	9
19	Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. *Angewandte Chemie*, **2019**, 131, 612-616	3.6	9
18	Linking melem with conjugated Schiff-base bonds to boost photocatalytic efficiency of carbon nitride for overall water splitting. *Nanoscale*, **2021**, 13, 9315-9321	7.7	9

17	Industrially promising NiCoP nanorod arrays tailored with trace W and Mo atoms for boosting large-current-density overall water splitting. *Nanoscale*, **2021**, 13, 14179-14185	7.7	9
16	Ce-Doped Ordered Mesoporous Cobalt Ferrite Phosphides as Robust Catalysts for Water Oxidation. *Chemistry - A European Journal*, **2020**, 26, 13305-13310	4.8	8
15	Short-Range Diffusion Enables General Synthesis of Medium-Entropy Alloy Aerogels. *Advanced Materials*,2202943	24	7
14	A facile solution phase synthesis of directly ordering monodisperse FePt nanoparticles. *Nano Research*,1	10	6
13	Cross-linked sulfydryl-functionalized graphene oxide as ultra-high capacity adsorbent for high selectivity and ppb level removal of mercury from water under wide pH range. *Environmental Pollution*, **2021**, 271, 116378	9.3	6
12	Magnetization reversal and magnetic interactions in anisotropic Nd-Dy-Fe-Co-B/MgO/Fe disks and multilayers. *Nanoscale*, **2017**, 9, 7385-7390	7.7	5
11	Carbon-coated defect-rich MnFe2O4/MnO heterojunction for high-performance microwave absorption. *Carbon*, **2022**, 194, 207-219	10.4	5
10	NiCo layered double hydroxides derived Ni0.67Co0.33(PO3)2 as stable and efficient electrocatalysts for overall water splitting. *Journal of Alloys and Compounds*, **2021**, 869, 159311	5.7	4
9	Mesoporous cobalt ferrite phosphides/reduced graphene oxide as highly effective electrocatalyst for overall water splitting. *Journal of Colloid and Interface Science*, **2022**, 605, 667-673	9.3	4
8	Structure and Magnetic Properties of Graded (001)-Oriented FePt Films Prepared by Magnetron Sputtering and Rapid Thermal Annealing. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 3251-3254	1.5	3
7	Bi-doped Graphitic Carbon Nitride Nanotubes Boosts the Degradation Photocatalysis of Rhodamine B. *New Journal of Chemistry*,	3.6	3
6	In Situ Growth of Ultrafine PtPd Nanoparticles on Bifunctional NH2-N-rGO with Remarkable Catalytic Activity for Ammonia Borane Dehydrogenation. *ChemistrySelect*, **2020**, 5, 7632-7637	1.8	2
5	Effects of Al and Ca ions co-doping on magnetic properties of M-type strontium ferrites. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 22375-22384	2.1	2
4	Designing a novel dual Z-scheme Bi2S3-ZnS/MoSe2 photocatalyst for photocatalytic reduction of Cr(VI). *Separation and Purification Technology*, **2022**, 286, 120502	8.3	1
3	Electrochemical DNA/aptamer biosensors based on SPAAC for detection of DNA and protein. *Sensors and Actuators B: Chemical*, **2021**, 131100	8.5	1
2	Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. *Angewandte Chemie*, **2021**, 133, 8324-8331	3.6	1
1	In-situ synthesis of dual Z-scheme heterojunctions of cuprous oxide/layered double hydroxides/nitrogen-rich graphitic carbon nitride for photocatalytic sterilization.. *Journal of Colloid and Interface Science*, **2022**, 620, 313-321	9.3	0