

Yongsheng Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Designing a novel dual Z-scheme Bi ₂ S ₃ -ZnS/MoSe ₂ photocatalyst for photocatalytic reduction of Cr(VI). <i>Separation and Purification Technology</i> , 2022 , 286, 120502 | 8.3 | 1 |
| 87 | Highly efficient recovery of heavy rare earth elements by using an amino-functionalized magnetic graphene oxide with acid and base resistance. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127370 | 12.8 | 18 |
| 86 | Building P-doped MoS ₂ /g-C ₃ N ₄ layered heterojunction with a dual-internal electric field for efficient photocatalytic sterilization. <i>Chemical Engineering Journal</i> , 2022 , 429, 132588 | 14.7 | 28 |
| 85 | Mesoporous cobalt ferrite phosphides/reduced graphene oxide as highly effective electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022 , 605, 667-673 | 9.3 | 4 |
| 84 | L-Cysteine capped Mo ₂ C/Zn _{0.67} Cd _{0.33} S heterojunction with intimate covalent bonds enables efficient and stable H ₂ -Releasing photocatalysis. <i>Chemical Engineering Journal</i> , 2022 , 428, 132628 | 14.7 | 26 |
| 83 | In-situ synthesis of dual Z-scheme heterojunctions of cuprous oxide/layered double hydroxides/nitrogen-rich graphitic carbon nitride for photocatalytic sterilization.. <i>Journal of Colloid and Interface Science</i> , 2022 , 620, 313-321 | 9.3 | 0 |
| 82 | Carbon-coated defect-rich MnFe ₂ O ₄ /MnO heterojunction for high-performance microwave absorption. <i>Carbon</i> , 2022 , 194, 207-219 | 10.4 | 5 |
| 81 | Electrochemical DNA/aptamer biosensors based on SPAAC for detection of DNA and protein. <i>Sensors and Actuators B: Chemical</i> , 2021 , 131100 | 8.5 | 1 |
| 80 | Structural Regulation of Pd-Based Nanoalloys for Advanced Electrocatalysis. <i>Small Science</i> , 2021 , 1, 2100061 | | 17 |
| 79 | Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8243-8250 | 16.4 | 55 |
| 78 | Exclusive Strain Effect Boosts Overall Water Splitting in PdCu/Ir Core/Shell Nanocrystals. <i>Angewandte Chemie</i> , 2021 , 133, 8324-8331 | 3.6 | 1 |
| 77 | High-Index Faceted PdPtCu Ultrathin Nanorings Enable Highly Active and Stable Oxygen Reduction Electrocatalysis.. <i>Small Methods</i> , 2021 , 5, e2100154 | 12.8 | 12 |
| 76 | NiCo layered double hydroxides derived Ni _{0.67} Co _{0.33} (PO ₃) ₂ as stable and efficient electrocatalysts for overall water splitting. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159311 | 5.7 | 4 |
| 75 | 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. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124470 | 12.8 | 40 |
| 74 | Nitrogen-rich g-CN@AgPd Mott-Schottky heterojunction boosts photocatalytic hydrogen production from water and tandem reduction of NO and NO. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 619-626 | 9.3 | 45 |
| 73 | Structural engineering of Fe-doped Ni ₂ P nanosheets arrays for enhancing bifunctional electrocatalysis towards overall water splitting. <i>Applied Surface Science</i> , 2021 , 536, 147909 | 6.7 | 17 |
| 72 | Linking melem with conjugated Schiff-base bonds to boost photocatalytic efficiency of carbon nitride for overall water splitting. <i>Nanoscale</i> , 2021 , 13, 9315-9321 | 7.7 | 9 |

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| 71 | Z-Scheme Mo ₂ C/MoS ₂ /In ₂ S ₃ dual-heterojunctions for the photocatalytic reduction of Cr(VI). <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10297-10303 | 13 | 23 |
| 70 | Schiff-base-rich g-C ₃ N ₄ supported PdAg nanowires as an efficient Mott-Schottky catalyst boosting photocatalytic dehydrogenation of formic acid. <i>Rare Metals</i> , 2021 , 40, 808-816 | 5.5 | 49 |
| 69 | Cross-linked sulfhydryl-functionalized graphene oxide as ultra-high capacity adsorbent for high selectivity and ppb level removal of mercury from water under wide pH range. <i>Environmental Pollution</i> , 2021 , 271, 116378 | 9.3 | 6 |
| 68 | Sub-Monolayer YO ₂ /MoO ₃ on Ultrathin Pt Nanowires Boosts Alcohol Oxidation Electrocatalysis. <i>Advanced Materials</i> , 2021 , 33, e2103762 | 24 | 31 |
| 67 | Interface engineering: PSS-PPy wrapping amorphous Ni-Co-P for enhancing neutral-pH hydrogen evolution reaction performance. <i>Chemical Engineering Journal</i> , 2021 , 417, 129232 | 14.7 | 39 |
| 66 | 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. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125825 | 12.8 | 23 |
| 65 | FeO nanoparticles coated with ultra-thin carbon layer for polarization-controlled microwave absorption performance. <i>Journal of Colloid and Interface Science</i> , 2021 , 600, 382-389 | 9.3 | 31 |
| 64 | Hole-rich CoP nanosheets with an optimized d-band center for enhancing pH-universal hydrogen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8561-8567 | 13 | 26 |
| 63 | Industrially promising NiCoP nanorod arrays tailored with trace W and Mo atoms for boosting large-current-density overall water splitting. <i>Nanoscale</i> , 2021 , 13, 14179-14185 | 7.7 | 9 |
| 62 | Amino-functionalized graphene oxide-supported networked Pd-Ag nanowires as highly efficient catalyst for reducing Cr(VI) in industrial effluent by formic acid. <i>Chemosphere</i> , 2020 , 257, 127245 | 8.4 | 21 |
| 61 | A general strategy for bimetallic Pt-based nano-branched structures as highly active and stable oxygen reduction and methanol oxidation bifunctional catalysts. <i>Nano Research</i> , 2020 , 13, 638-645 | 10 | 33 |
| 60 | A Bidentate Ru(II)-NC Complex as a Catalyst for Semihydrogenation of Alkynes to (E)-Alkenes with Ethanol. <i>Organometallics</i> , 2020 , 39, 862-869 | 3.8 | 10 |
| 59 | Lavender-Like Ga-Doped Pt ₃ Co Nanowires for Highly Stable and Active Electrocatalysis. <i>ACS Catalysis</i> , 2020 , 10, 3018-3026 | 13.1 | 42 |
| 58 | Three-dimensional foam-like Fe ₃ O ₄ @C core-shell nanocomposites: Controllable synthesis and wideband electromagnetic wave absorption properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 502, 166518 | 2.8 | 29 |
| 57 | Efficient photocatalytic reduction of Cr(VI) in aqueous solution over CoS ₂ /g-C ₃ N ₄ -rGO nanocomposites under visible light. <i>Applied Surface Science</i> , 2020 , 510, 145495 | 6.7 | 69 |
| 56 | A highly sensitive sensor based on ordered mesoporous ZnFeO for electrochemical detection of dopamine. <i>Analytica Chimica Acta</i> , 2020 , 1096, 26-33 | 6.6 | 21 |
| 55 | Hierarchical core-shell electrode with NiWO ₄ nanoparticles wrapped MnCoO nanowire arrays on Ni foam for high-performance asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020 , 563, 405-413 | 9.3 | 53 |
| 54 | Engineering defects and adjusting electronic structure on S doped MoO ₃ nanosheets toward highly active hydrogen evolution reaction. <i>Nano Research</i> , 2020 , 13, 121-126 | 10 | 33 |

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|----|---|------|----|
| 53 | Engineering sulfur vacancies in basal plane of MoS ₂ for enhanced hydrogen evolution reaction. <i>Journal of Catalysis</i> , 2020 , 391, 91-97 | 7.3 | 25 |
| 52 | Ce-Doped Ordered Mesoporous Cobalt Ferrite Phosphides as Robust Catalysts for Water Oxidation. <i>Chemistry - A European Journal</i> , 2020 , 26, 13305-13310 | 4.8 | 8 |
| 51 | Disposable multiplexed electrochemical sensors based on electro-triggered selective immobilization of probes for simultaneous detection of DNA and proteins. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7501-7510 | 7.3 | 10 |
| 50 | In Situ Growth of Ultrafine PtPd Nanoparticles on Bifunctional NH ₂ -N-rGO with Remarkable Catalytic Activity for Ammonia Borane Dehydrogenation. <i>ChemistrySelect</i> , 2020 , 5, 7632-7637 | 1.8 | 2 |
| 49 | Effects of Al and Ca ions co-doping on magnetic properties of M-type strontium ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 22375-22384 | 2.1 | 2 |
| 48 | 3D ordered mesoporous cobalt ferrite phosphides for overall water splitting. <i>Science China Materials</i> , 2020 , 63, 240-248 | 7.1 | 48 |
| 47 | One-pot synthesis of magnetic graphene oxide composites as an efficient and recoverable adsorbent for Cd(II) and Pb(II) removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2020 , 381, 120914 | 12.8 | 84 |
| 46 | Modulating the surface segregation of PdCuRu nanocrystals for enhanced all-pH hydrogen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20151-20157 | 13 | 27 |
| 45 | Cu induced low temperature ordering of fct-FePtCu nanoparticles prepared by solution phase synthesis. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11632-11638 | 7.1 | 17 |
| 44 | Facile synthesis of highly ordered mesoporous FeO with ultrasensitive detection of dopamine. <i>Talanta</i> , 2019 , 201, 511-518 | 6.2 | 22 |
| 43 | Fabrication of NiC/MoC/NiMoO Heterostructured Nanorod Arrays as Stable Bifunctional Electrocatalysts for Efficient Overall Water Splitting. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1013-1020 | 4.5 | 11 |
| 42 | Ni nanoparticles supported on graphitic carbon nitride as visible light catalysts for hydrolytic dehydrogenation of ammonia borane. <i>Nanoscale</i> , 2019 , 11, 3506-3513 | 7.7 | 46 |
| 41 | Photocatalytic dehydrogenation of formic acid promoted by a superior PdAg@g-C ₃ N ₄ Mott-Schottky heterojunction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2022-2026 | 13 | 84 |
| 40 | Fabrication, characterization, and magnetic properties of exchange-coupled porous BaFeAlO/CoZnFeO nanocomposite magnets. <i>Nanoscale</i> , 2019 , 11, 10629-10635 | 7.7 | 22 |
| 39 | Structure and magnetic properties of cobalt ferrite foam with low mass density. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 947-954 | 5.7 | 9 |
| 38 | Ordered mesoporous spinel CoFe ₂ O ₄ as efficient electrocatalyst for the oxygen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 840, 409-414 | 4.1 | 31 |
| 37 | Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 602-606 | 16.4 | 31 |
| 36 | Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. <i>Angewandte Chemie</i> , 2019 , 131, 612-616 | 3.6 | 9 |

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| 35 | Bifunctional networked Ag/AgPd core/shell nanowires for the highly efficient dehydrogenation of formic acid and subsequent reduction of nitrate and nitrite in water. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4611-4616 | 13 | 25 |
| 34 | Hierarchical mesoporous Co ₃ O ₄ @ZnCo ₂ O ₄ hybrid nanowire arrays supported on Ni foam for high-performance asymmetric supercapacitors. <i>Science China Materials</i> , 2018 , 61, 1167-1176 | 7.1 | 36 |
| 33 | Structure and Magnetic Properties of Graded (001)-Oriented FePt Films Prepared by Magnetron Sputtering and Rapid Thermal Annealing. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 3251-3254 | 1.5 | 3 |
| 32 | Porous layered stacked MnCoO cubes with enhanced electrochemical capacitive performance. <i>Nanoscale</i> , 2018 , 10, 2218-2225 | 7.7 | 62 |
| 31 | Enhanced electron transfer and light absorption on imino polymer capped PdAg nanowire networks for efficient room-temperature dehydrogenation of formic acid. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1979-1984 | 13 | 37 |
| 30 | Monodisperse PtCu alloy nanoparticles as highly efficient catalysts for the hydrolytic dehydrogenation of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 14293-14300 | 6.7 | 35 |
| 29 | Surface Pd-rich PdAg nanowires as highly efficient catalysts for dehydrogenation of formic acid and subsequent hydrogenation of adiponitrile. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17323-17328 | 13 | 30 |
| 28 | High-performance asymmetric supercapacitors based on monodisperse MnO nanocrystals with high energy densities. <i>Nanoscale</i> , 2018 , 10, 15926-15931 | 7.7 | 42 |
| 27 | Room-Temperature Chemoselective Reduction of 3-Nitrostyrene to 3-Vinylaniline by Ammonia Borane over Cu Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16460-16463 | 16.4 | 51 |
| 26 | Halide Ion-Mediated Synthesis of L1-FePt Nanoparticles with Tunable Magnetic Properties. <i>Nano Letters</i> , 2018 , 18, 7839-7844 | 11.5 | 34 |
| 25 | Activating the MoS Basal Plane by Controllable Fabrication of Pores for an Enhanced Hydrogen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2018 , 24, 19075-19080 | 4.8 | 14 |
| 24 | Designing shape anisotropic SmCo particles by chemical synthesis to reveal the morphological evolution mechanism. <i>Nanoscale</i> , 2018 , 10, 10377-10382 | 7.7 | 32 |
| 23 | High-density defects on PdAg nanowire networks as catalytic hot spots for efficient dehydrogenation of formic acid and reduction of nitrate. <i>Nanoscale</i> , 2017 , 9, 9305-9309 | 7.7 | 30 |
| 22 | Magnetization reversal and magnetic interactions in anisotropic Nd-Dy-Fe-Co-B/MgO/Fe disks and multilayers. <i>Nanoscale</i> , 2017 , 9, 7385-7390 | 7.7 | 5 |
| 21 | Enhancing electrochemical detection of dopamine via dumbbell-like FePt-FeO nanoparticles. <i>Nanoscale</i> , 2017 , 9, 1022-1027 | 7.7 | 31 |
| 20 | A general strategy for synthesizing high-coercivity L1-FePt nanoparticles. <i>Nanoscale</i> , 2017 , 9, 12855-12861 | 7.7 | 33 |
| 19 | A facile solution-phase synthesis of cobalt phosphide nanorods/hollow nanoparticles. <i>Nanoscale</i> , 2016 , 8, 4898-902 | 7.7 | 13 |
| 18 | A New Core/Shell NiAu/Au Nanoparticle Catalyst with Pt-like Activity for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5859-62 | 16.4 | 229 |

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|----|---|------|-----|
| 17 | Controlled Anisotropic Growth of Co-Fe-P from Co-Fe-O Nanoparticles. <i>Angewandte Chemie</i> , 2015 , 127, 9778-9781 | 3.6 | 20 |
| 16 | Controlled Anisotropic Growth of Co-Fe-P from Co-Fe-O Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9642-5 | 16.4 | 119 |
| 15 | From FePt@Fe ₃ O ₄ to L10-FePt@Fe nanocomposite magnets with a gradient interface. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7075-7080 | 7.1 | 39 |
| 14 | Controlled synthesis and assembly into anisotropic arrays of magnetic cobalt-substituted magnetite nanocubes. <i>Nanoscale</i> , 2015 , 7, 2877-82 | 7.7 | 42 |
| 13 | Direct chemical synthesis of L1(0)-FePtAu nanoparticles with high coercivity. <i>Nanoscale</i> , 2014 , 6, 12050-57 | 7.7 | 47 |
| 12 | Monodisperse MPt (M = Fe, Co, Ni, Cu, Zn) nanoparticles prepared from a facile oleylamine reduction of metal salts. <i>Nano Letters</i> , 2014 , 14, 2778-82 | 11.5 | 137 |
| 11 | One-pot synthesis of urchin-like FePd-Fe ₃ O ₄ and their conversion into exchange-coupled L1(0)-FePd-Fe nanocomposite magnets. <i>Nano Letters</i> , 2013 , 13, 4975-9 | 11.5 | 82 |
| 10 | Cobalt-substituted magnetite nanoparticles and their assembly into ferrimagnetic nanoparticle arrays. <i>Advanced Materials</i> , 2013 , 25, 3090-4 | 24 | 81 |
| 9 | A dual-signalling electrochemical DNA sensor based on target hybridization-induced change in DNA probe flexibility. <i>Chemical Communications</i> , 2012 , 48, 8703-5 | 5.8 | 32 |
| 8 | Comparison of the stem-loop and linear probe-based electrochemical DNA sensors by alternating current voltammetry and cyclic voltammetry. <i>Langmuir</i> , 2011 , 27, 14669-77 | 4 | 57 |
| 7 | Effect of diluent chain length on the performance of the electrochemical DNA sensor at elevated temperature. <i>Analyst, The</i> , 2011 , 136, 134-9 | 5 | 22 |
| 6 | Folding-based electrochemical DNA sensor fabricated by "click" chemistry. <i>Chemical Communications</i> , 2009 , 4835-7 | 5.8 | 28 |
| 5 | Folding-based electrochemical DNA sensor fabricated on a gold-plated screen-printed carbon electrode. <i>Chemical Communications</i> , 2009 , 2902-4 | 5.8 | 41 |
| 4 | Bi-doped Graphitic Carbon Nitride Nanotubes Boosts the Degradation Photocatalysis of Rhodamine B. <i>New Journal of Chemistry</i> , | 3.6 | 3 |
| 3 | A facile solution phase synthesis of directly ordering monodisperse FePt nanoparticles. <i>Nano Research</i> ,1 | 10 | 6 |
| 2 | Activating interfacial S sites of MoS ₂ boosts hydrogen evolution electrocatalysis. <i>Nano Research</i> ,1 | 10 | 21 |
| 1 | Short-Range Diffusion Enables General Synthesis of Medium-Entropy Alloy Aerogels. <i>Advanced Materials</i> ,2202943 | 24 | 7 |