# Wenyan Yin

List of Publications by Year
in descending order



| 66 | 8,040 | 76326 | 110387 |
|---|---|---|---|
| papers | citations | 40 h-index | 64 g-index |

| 67 | 67 | 67 | 9853 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High-Throughput Synthesis of Single-Layer MoS<sub>2</sub> Nanosheets as a Near-Infrared Photothermal-Triggered Drug Delivery for Effective Cancer Therapy. ACS Nano, 2014, 8, 6922-6933. | 14.6 | 813 |
| 2 | Functionalized Nano-MoS<sub>2</sub> with Peroxidase Catalytic and Near-Infrared Photothermal Activities for Safe and Synergetic Wound Antibacterial Applications. ACS Nano, 2016, 10, 11000-11011. | 14.6 | 812 |
| 3 | Mn<sup>2+</sup> Dopantâ€Controlled Synthesis of NaYF<sub>4</sub>:Yb/Er Upconversion Nanoparticles for in vivo Imaging and Drug Delivery. Advanced Materials, 2012, 24, 1226-1231. | 21.0 | 758 |
| 4 | Bismuth Sulfide Nanorods as a Precision Nanomedicine for in Vivo Multimodal Imaging-Guided Photothermal Therapy of Tumor. ACS Nano, 2015, 9, 696-707. | 14.6 | 503 |
| 5 | Tungsten Sulfide Quantum Dots as Multifunctional Nanotheranostics for In Vivo Dual-Modal Image-Guided Photothermal/Radiotherapy Synergistic Therapy. ACS Nano, 2015, 9, 12451-12463. | 14.6 | 388 |
| 6 | WS<sub>2</sub> nanosheet as a new photosensitizer carrier for combined photodynamic and photothermal therapy of cancer cells. Nanoscale, 2014, 6, 10394-10403. | 5.6 | 301 |
| 7 | Functionalized MoS<sub>2</sub> Nanovehicle with Nearâ€Infrared Laserâ€Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteriaâ€Infected Wound Therapy. Small, 2018, 14, e1802290. | 10.0 | 259 |
| 8 | Smart MoS<sub>2</sub>/Fe<sub>3</sub>O<sub>4</sub> Nanotheranostic for Magnetically Targeted Photothermal Therapy Guided by Magnetic Resonance/Photoacoustic Imaging. Theranostics, 2015, 5, 931-945. | 10.0 | 234 |
| 9 | A Sizeâ€Reducible Nanodrug with an Aggregationâ€Enhanced Photodynamic Effect for Deep Chemoâ€Photodynamic Therapy. Angewandte Chemie - International Edition, 2018, 57, 11384-11388. | 13.8 | 196 |
| 10 | Controllable Generation of Nitric Oxide by Nearâ€Infraredâ€Sensitized Upconversion Nanoparticles for Tumor Therapy. Advanced Functional Materials, 2015, 25, 3049-3056. | 14.9 | 194 |
| 11 | Redâ€Emitting Upconverting Nanoparticles for Photodynamic Therapy in Cancer Cells Under Nearâ€Infrared Excitation. Small, 2013, 9, 1929-1938. | 10.0 | 174 |
| 12 | TPGS-stabilized NaYbF4:Er upconversion nanoparticles for dual-modal fluorescent/CT imaging and anticancer drug delivery to overcome multi-drug resistance. Biomaterials, 2015, 40, 107-116. | 11.4 | 172 |
| 13 | One-pot synthesis of PEGylated plasmonic MoO3â€“x hollow nanospheres for photoacoustic imaging guided chemo-photothermal combinational therapy of cancer. Biomaterials, 2016, 76, 11-24. | 11.4 | 171 |
| 14 | Facile Fabrication of Rare-Earth-Doped Gd<sub>2</sub>O<sub>3</sub> Hollow Spheres with Upconversion Luminescence, Magnetic Resonance, and Drug Delivery Properties. Journal of Physical Chemistry C, 2011, 115, 23790-23796. | 3.1 | 170 |
| 15 | Enhanced Red Emission from GdF<sub>3</sub>:Yb<sup>3+</sup>,Er<sup>3+</sup> Upconversion Nanocrystals by Li<sup>+</sup> Doping and Their Application for Bioimaging. Chemistry - A European Journal, 2012, 18, 9239-9245. | 3.3 | 166 |
| 16 | Size-tunable synthesis of lanthanide-doped Gd<sub>2</sub>O<sub>3</sub>nanoparticles and their applications for optical and magnetic resonance imaging. Journal of Materials Chemistry, 2012, 22, 966-974. | 6.7 | 165 |
| 17 | Two-dimensional nanomaterials beyond graphene for antibacterial applications: current progress and future perspectives. Theranostics, 2020, 10, 757-781. | 10.0 | 152 |
| 18 | Biodegradable MoO<sub>x</sub> nanoparticles with efficient near-infrared photothermal and photodynamic synergetic cancer therapy at the second biological window. Nanoscale, 2018, 10, 1517-1531. | 5.6 | 144 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | An overview of the use of nanozymes in antibacterial applications. Chemical Engineering Journal, 2021, 418, 129431. | 12.7 | 140 |
| 20 | Intelligent MoS<sub>2</sub> Nanotheranostic for Targeted and Enzyme-/pH-/NIR-Responsive Drug Delivery To Overcome Cancer Chemotherapy Resistance Guided by PET Imaging. ACS Applied Materials & Interfaces, 2018, 10, 4271-4284. | 8.0 | 137 |
| 21 | Peroxidase-like activity of MoS<sub>2</sub> nanoflakes with different modifications and their application for H<sub>2</sub>O<sub>2</sub> and glucose detection. Journal of Materials Chemistry B, 2018, 6, 487-498. | 5.8 | 130 |
| 22 | Lanthanide-doped GdVO4 upconversion nanophosphors with tunable emissions and their applications for biomedical imaging. Journal of Materials Chemistry, 2012, 22, 6974. | 6.7 | 124 |
| 23 | A magnetic graphene hybrid functionalized with beta-cyclodextrins for fast and efficient removal of organic dyes. Journal of Materials Chemistry A, 2014, 2, 12296. | 10.3 | 113 |
| 24 | Intercalationâ€Activated Layered MoO<sub>3</sub> Nanobelts as Biodegradable Nanozymes for Tumorâ€Specific Photoâ€Enhanced Catalytic Therapy. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 109 |
| 25 | TWEEN coated NaYF4:Yb,Er/NaYF4 core/shell upconversion nanoparticles for bioimaging and drug delivery. RSC Advances, 2012, 2, 7037. | 3.6 | 98 |
| 26 | Mesoporous NaYbF4@NaGdF4 core-shell up-conversion nanoparticles for targeted drug delivery and multimodal imaging. Biomaterials, 2014, 35, 7666-7678. | 11.4 | 94 |
| 27 | Stimuli-Responsive Small-on-Large Nanoradiosensitizer for Enhanced Tumor Penetration and Radiotherapy Sensitization. ACS Nano, 2020, 14, 10001-10017. | 14.6 | 93 |
| 28 | Engineered design of theranostic upconversion nanoparticles for tri-modal upconversion luminescence/magnetic resonance/X-ray computed tomography imaging and targeted delivery of combined anticancer drugs. Journal of Materials Chemistry B, 2014, 2, 1379. | 5.8 | 75 |
| 29 | The polyvinylpyrrolidone functionalized rGO/Bi<sub>2</sub>S<sub>3</sub>nanocomposite as a near-infrared light-responsive nanovehicle for chemo-photothermal therapy of cancer. Nanoscale, 2016, 8, 11531-11542. | 5.6 | 71 |
| 30 | Biodistribution, excretion, and toxicity of polyethyleneimine modified NaYF<sub>4</sub>:Yb,Er upconversion nanoparticles in mice via different administration routes. Nanoscale, 2017, 9, 4497-4507. | 5.6 | 61 |
| 31 | Silica-coated bismuth sulfide nanorods as multimodal contrast agents for a non-invasive visualization of the gastrointestinal tract. Nanoscale, 2015, 7, 12581-12591. | 5.6 | 60 |
| 32 | Synthesis of PVP-functionalized ultra-small MoS<sub>2</sub> nanoparticles with intrinsic peroxidase-like activity for H<sub>2</sub>O<sub>2</sub> and glucose detection. RSC Advances, 2016, 6, 81174-81183. | 3.6 | 57 |
| 33 | Glucose-responsive cascaded nanocatalytic reactor with self-modulation of the tumor microenvironment for enhanced chemo-catalytic therapy. Materials Horizons, 2020, 7, 1834-1844. | 12.2 | 56 |
| 34 | MoS<sub>2</sub>-Nanosheet-Assisted Coordination of Metal Ions with Porphyrin for Rapid Detection and Removal of Cadmium Ions in Aqueous Media. ACS Applied Materials & Interfaces, 2017, 9, 21362-21370. | 8.0 | 54 |
| 35 | Phytotoxicity, Translocation, and Biotransformation of NaYF<sub>4</sub>Upconversion Nanoparticles in a Soybean Plant. Small, 2015, 11, 4774-4784. | 10.0 | 49 |
| 36 | The age of bioinspired molybdenumâ€involved nanozymes: Synthesis, catalytic mechanisms, and biomedical applications. View, 2021, 2, 20200188. | 5.3 | 49 |

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|---|---|---|---|
| 37 | One-pot synthesis of MoSe2 hetero-dimensional hybrid self-assembled by nanodots and nanosheets for electrocatalytic hydrogen evolution and photothermal therapy. Nano Research, 2017, 10, 2667-2682. | 10.4 | 48 |
| 38 | Translocation, biotransformation-related degradation, and toxicity assessment of polyvinylpyrrolidone-modified 2H-phase nano-MoS<sub>2</sub>. Nanoscale, 2019, 11, 4767-4780. | 5.6 | 47 |
| 39 | Good Biocompatibility and Sintering Properties of Zirconia Nanoparticles Synthesized via Vapor-phase Hydrolysis. Scientific Reports, 2016, 6, 35020. | 3.3 | 45 |
| 40 | A two-step gas/liquid strategy for the production of N-doped defect-rich transition metal dichalcogenide nanosheets and their antibacterial applications. Nanoscale, 2020, 12, 8415-8424. | 5.6 | 43 |
| 41 | Suppressing the Radiation-Induced Corrosion of Bismuth Nanoparticles for Enhanced Synergistic Cancer Radiophototherapy. ACS Nano, 2020, 14, 13016-13029. | 14.6 | 42 |
| 42 | Design of multifunctional alkali ion doped CaF2 upconversion nanoparticles for simultaneous bioimaging and therapy. Dalton Transactions, 2014, 43, 3861. | 3.3 | 36 |
| 43 | A simple and efficient synthetic route for preparation of NaYF<sub>4</sub> upconversion nanoparticles by thermo-decomposition of rare-earth oleates. CrystEngComm, 2014, 16, 5650-5661. | 2.6 | 35 |
| 44 | Mesoporous Bamboo Charcoal Nanoparticles as a New Nearâ€Infrared Responsive Drug Carrier for Imagingâ€Guided Chemotherapy/Photothermal Synergistic Therapy of Tumor. Advanced Healthcare Materials, 2016, 5, 1627-1637. | 7.6 | 34 |
| 45 | Synthesis of Surfaceâ€Modificationâ€Oriented Nanosized Molybdenum Disulfide with High Peroxidaseâ€Like Catalytic Activity for H<sub>2</sub>O<sub>2</sub> and Cholesterol Detection. Chemistry - A European Journal, 2018, 24, 15868-15878. | 3.3 | 33 |
| 46 | Bi<sup>3+</sup>-Doped BaYF<sub>5</sub>:Yb,Er Upconversion Nanoparticles with Enhanced Luminescence and Application Case for X-ray Computed Tomography Imaging. Inorganic Chemistry, 2020, 59, 17906-17915. | 4.0 | 33 |
| 47 | Fluorescent supramolecular micelles for imaging-guided cancer therapy. Nanoscale, 2016, 8, 5302-5312. | 5.6 | 32 |
| 48 | Bi<sub>2</sub>S<sub>3</sub>â€“Tween 20 Nanodots Loading PI3K Inhibitor, LY294002, for Mild Photothermal Therapy of LoVo Cells In Vitro and In Vivo. Advanced Healthcare Materials, 2018, 7, e1800830. | 7.6 | 32 |
| 49 | Liquidâ€Phase Exfoliation and Functionalization of MoS<sub>2</sub> Nanosheets for Effective Antibacterial Application. ChemBioChem, 2020, 21, 2373-2380. | 2.6 | 31 |
| 50 | A Sizeâ€Reducible Nanodrug with an Aggregationâ€Enhanced Photodynamic Effect for Deep Chemoâ€Photodynamic Therapy. Angewandte Chemie, 2018, 130, 11554-11558. | 2.0 | 29 |
| 51 | Mn2+-doped ZrO2@PDA nanocomposite for multimodal imaging-guided chemo-photothermal combination therapy. Chinese Chemical Letters, 2021, 32, 2405-2410. | 9.0 | 25 |
| 52 | Oneâ€Pot Templateâ€Free Synthesis of NaYF<sub>4</sub> Upconversion Hollow Nanospheres for Bioimaging and Drug Delivery. Chemistry - an Asian Journal, 2014, 9, 1655-1662. | 3.3 | 22 |
| 53 | Intercalationâ€Activated Layered MoO<sub>3</sub> Nanobelts as Biodegradable Nanozymes for Tumorâ€Specific Photoâ€Enhanced Catalytic Therapy. Angewandte Chemie, 2022, 134, . | 2.0 | 16 |
| 54 | A Copper Peroxide Fenton Nanoagent-Hydrogel as an In Situ pH-Responsive Wound Dressing for Effectively Trapping and Eliminating Bacteria. ACS Applied Bio Materials, 2022, 5, 1779-1793. | 4.6 | 16 |

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|---|---|---|---|
| 55 | Controllable synthesis of Gd2O(CO3)2Â·H2O@silicaâ€“FITC nanoparticles with size-dependent optical and magnetic resonance imaging properties. New Journal of Chemistry, 2012, 36, 2599. | 2.8 | 15 |
| 56 | Enhanced Multifunctional Properties of Graphene Nanocomposites with Nacreâ€Like Structures. Advanced Engineering Materials, 2015, 17, 523-531. | 3.5 | 15 |
| 57 | Protein-directed synthesis of Bi<sub>2</sub>S<sub>3</sub> nanoparticles as an efficient contrast agent for visualizing the gastrointestinal tract. RSC Advances, 2017, 7, 17505-17513. | 3.6 | 15 |
| 58 | Three-dimensional angiography fused with CT/MRI for multimodal imaging of nanoparticles based on Ba<sub>4</sub>Yb<sub>3</sub>F<sub>17</sub>:Lu<sup>3+</sup>,Gd<sup>3+</sup>. Nanoscale, 2018, 10, 13402-13409. | 5.6 | 15 |
| 59 | Biodegradable MoO<sub>x</sub>@MB incorporated hydrogel as light-activated dressing for rapid and safe bacteria eradication and wound healing. RSC Advances, 2022, 12, 8862-8877. | 3.6 | 12 |
| 60 | A Bi<sub>2</sub>S<sub>3</sub>@mSiO<sub>2</sub>@Ag nanocomposite for enhanced CT visualization and antibacterial response in the gastrointestinal tract. Journal of Materials Chemistry B, 2020, 8, 666-676. | 5.8 | 9 |
| 61 | Upconversion: Redâ€Emitting Upconverting Nanoparticles for Photodynamic Therapy in Cancer Cells Under Nearâ€Infrared Excitation (Small 11/2013). Small, 2013, 9, 1928-1928. | 10.0 | 8 |
| 62 | Impact of Titanium Dioxide and Fullerenol Nanoparticles on Caco-2 Gut Epithelial Cells. Journal of Nanoscience and Nanotechnology, 2018, 18, 2387-2393. | 0.9 | 7 |
| 63 | Nanostructured Ceria-Praseodymium and Ceria-Terbium Mixed Oxides: Relationship Between Structural Change and Catalytic Activity Towards CO Oxidation. Journal of Nanoscience and Nanotechnology, 2019, 19, 5999-6005. | 0.9 | 1 |
| 64 | Feasibility of Biological Applications for Zirconium Nitride Powders Synthesized by Gasâ€“Solid Elemental Combination Method. Journal of Nanoscience and Nanotechnology, 2019, 19, 3319-3325. | 0.9 | 1 |
| 65 | Surface-Enhanced Raman Scattering Quantitative Analysis of Ethanol Drop-Coating Silver Nanocubes on Gold Film. Journal of Nanoscience and Nanotechnology, 2021, 21, 4715-4725. | 0.9 | 1 |
| 66 | Atom economy and green elimination of nitric oxide using ZrN powders. Royal Society Open Science, 2018, 5, 171516. | 2.4 | 0 |