# Fusheng Wen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5663340/publications.pdf

Version: 2024-02-01

| | | 126708 | 106150 |
|---|---|---|---|
| 94 | 4,576 | 33 | 65 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 96 | 96 | 96 | 6250 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Investigation on Microwave Absorption Properties for Multiwalled Carbon Nanotubes/Fe/Co/Ni Nanopowders as Lightweight Absorbers. Journal of Physical Chemistry C, 2011, 115, 14025-14030. | 1.5 | 448 |
| 2 | Flexible Allâ€Solidâ€State Supercapacitors based on Liquidâ€Exfoliated Blackâ€Phosphorus Nanoflakes. Advanced Materials, 2016, 28, 3194-3201. | 11.1 | 290 |
| 3 | Teâ€Doped Black Phosphorus Fieldâ€Effect Transistors. Advanced Materials, 2016, 28, 9408-9415. | 11.1 | 241 |
| 4 | Peanut shell derived hard carbon as ultralong cycling anodes for lithium and sodium batteries. Electrochimica Acta, 2015, 176, 533-541. | 2.6 | 236 |
| 5 | Microwave Absorption Properties of CoS<sub>2</sub> Nanocrystals Embedded into Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2017, 9, 28868-28875. | 4.0 | 215 |
| 6 | Liquidâ€Exfoliated Black Phosphorous Nanosheet Thin Films for Flexible Resistive Random Access Memory Applications. Advanced Functional Materials, 2016, 26, 2016-2024. | 7.8 | 161 |
| 7 | Controlled Incorporation of Ni(OH)<sub>2</sub> Nanoplates Into Flowerlike MoS<sub>2</sub> Nanosheets for Flexible Allâ€Solidâ€State Supercapacitors. Advanced Functional Materials, 2014, 24, 6700-6707. | 7.8 | 145 |
| 8 | Analyses on double resonance behavior in microwave magnetic permeability of multiwalled carbon nanotube composites containing Ni catalyst. Applied Physics Letters, 2008, 92, . | 1.5 | 123 |
| 9 | Fabrication of carbon encapsulated Co 3 O 4 nanoparticles embedded in porous graphitic carbon nanosheets for microwave absorber. Carbon, 2015, 89, 372-377. | 5.4 | 114 |
| 10 | Fabrication of NiCo<sub>2</sub>-Anchored Graphene Nanosheets by Liquid-Phase Exfoliation for Excellent Microwave Absorbers. ACS Applied Materials & Interfaces, 2017, 9, 12673-12679. | 4.0 | 111 |
| 11 | Microwave-absorbing properties of shape-optimized carbonyl iron particles with maximum microwave permeability. Physica B: Condensed Matter, 2009, 404, 3567-3570. | 1.3 | 103 |
| 12 | Microwave permeability spectra of flake-shaped FeCuNbSiB particle composites. Journal of Applied Physics, 2008, 103, . | 1.1 | 98 |
| 13 | Microwave Synthesized Three-dimensional Hierarchical Nanostructure CoS2/MoS2 Growth on Carbon Fiber Cloth: A Bifunctional Electrode for Hydrogen Evolution Reaction and Supercapacitor. Electrochimica Acta, 2016, 212, 941-949. | 2.6 | 93 |
| 14 | Enhanced Photoresponse of SnSe-Nanocrystals-Decorated WS<sub>2</sub> Monolayer Phototransistor. ACS Applied Materials & Interfaces, 2016, 8, 4781-4788. | 4.0 | 91 |
| 15 | Flexible Black-Phosphorus Nanoflake/Carbon Nanotube Composite Paper for High-Performance All-Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 44478-44484. | 4.0 | 89 |
| 16 | Microwave absorption properties of the hierarchically branched Ni nanowire composites. Journal of Applied Physics, 2009, 105, . | 1.1 | 75 |
| 17 | Microwave absorption properties of multiwalled carbon nanotube/FeNi nanopowders as light-weight microwave absorbers. Journal of Magnetism and Magnetic Materials, 2013, 343, 281-285. | 1.0 | 74 |
| 18 | Two-dimensional materials and one-dimensional carbon nanotube composites for microwave absorption. Nanotechnology, 2018, 29, 025704. | 1.3 | 71 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Atomically Resolving Polymorphs and Crystal Structures of In<sub>2</sub>Se<sub>3</sub>. Chemistry of Materials, 2019, 31, 10143-10149. | 3.2 | 71 |
| 20 | Carbon-Encapsulated Co 3 O 4 @CoO@Co Nanocomposites for Multifunctional Applications in Enhanced Long-life Lithium Storage, Supercapacitor and Oxygen Evolution Reaction. Electrochimica Acta, 2016, 220, 322-330. | 2.6 | 68 |
| 21 | Synthesis of peanut-like hierarchical manganese carbonate microcrystals via magnetically driven self-assembly for high performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 3923-3931. | 5.2 | 65 |
| 22 | Lateral Bilayer MoS<sub>2</sub>â€“WS<sub>2</sub> Heterostructure Photodetectors with High Responsivity and Detectivity. Advanced Optical Materials, 2019, 7, 1900815. | 3.6 | 65 |
| 23 | Gate tunable MoS <sub>2</sub> â€“black phosphorus heterojunction devices. 2D Materials, 2015, 2, 034009. | 2.0 | 61 |
| 24 | Gate tunable WSe<sub>2</sub>â€“BP van der Waals heterojunction devices. Nanoscale, 2016, 8, 3254-3258. | 2.8 | 60 |
| 25 | SnS 2 Nanoflakes Anchored Graphene obtained by Liquid Phase Exfoliation and MoS 2 Nanosheet Composites as Lithium and Sodium Battery Anodes. Electrochimica Acta, 2017, 227, 203-209. | 2.6 | 57 |
| 26 | Application of hard ceramic materials B4C in energy storage: Design B4C@C core-shell nanoparticles as electrodes for flexible all-solid-state micro-supercapacitors with ultrahigh cyclability. Nano Energy, 2020, 75, 104947. | 8.2 | 47 |
| 27 | Facile synthesis and excellent electrochemical performance of CoP nanowire on carbon cloth as bifunctional electrode for hydrogen evolution reaction and supercapacitor. Science China Materials, 2017, 60, 1179-1186. | 3.5 | 42 |
| 28 | Grain-boundary-rich polycrystalline monolayer WS2 film for attomolar-level Hg2+ sensors. Nature Communications, 2021, 12, 3870. | 5.8 | 42 |
| 29 | Superior microwave absorption properties of ultralight reduced graphene oxide/black phosphorus aerogel. Nanotechnology, 2018, 29, 235604. | 1.3 | 41 |
| 30 | Highly sensitive and fast monolayer WS<sub>2</sub>phototransistors realized by SnS nanosheet decoration. Nanoscale, 2017, 9, 1916-1924. | 2.8 | 39 |
| 31 | Polypyrrole coated 3D flower MoS2 composites with tunable impedance for excellent microwave absorption performance. Journal of Alloys and Compounds, 2021, 888, 161487. | 2.8 | 38 |
| 32 | Structure evolution and microwave absorption properties of nickel nanoparticles incorporated carbon spheres. Materials Research Bulletin, 2016, 84, 445-448. | 2.7 | 36 |
| 33 | High microwave absorption performance of NiS2/rGO nanocomposites with a thin thickness. Journal of Physics and Chemistry of Solids, 2021, 157, 110222. | 1.9 | 35 |
| 34 | Well-controlled Core-shell structures based on Fe3O4 nanospheres coated by polyaniline for highly efficient microwave absorption. Applied Surface Science, 2022, 591, 153176. | 3.1 | 35 |
| 35 | Microwave electromagnetic properties of multiwalled carbon nanotubes filled with Co nanoparticles. Journal of Applied Physics, 2009, 106, 103922. | 1.1 | 33 |
| 36 | Chemical Vapor Synthesized WS2-Embedded Polystyrene-derived Porous Carbon as Superior Long-term Cycling Life Anode Material for Li-ion Batteries. Electrochimica Acta, 2015, 153, 49-54. | 2.6 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Liquid-exfoliation of S-doped black phosphorus nanosheets for enhanced oxygen evolution catalysis. Nanotechnology, 2019, 30, 035701. | 1.3 | 32 |
| 38 | Microwave synthesis of SnS2 nanoflakes anchored graphene foam for flexible lithium-ion battery anodes with long cycling life. Materials Letters, 2016, 174, 24-27. | 1.3 | 31 |
| 39 | Microwave absorption characteristics of CH3NH3PbI3 perovskite/carbon nanotube composites. Journal of Materials Science, 2017, 52, 13023-13032. | 1.7 | 31 |
| 40 | Metallic layered germanium phosphide GeP<sub>5</sub> for high rate flexible all-solid-state supercapacitors. Journal of Materials Chemistry A, 2018, 6, 19409-19416. | 5.2 | 31 |
| 41 | Facile preparation of CoS2 nanoparticles embedded into polyaniline with tunable electromagnetic wave absorption performance. Materials Chemistry and Physics, 2020, 246, 122835. | 2.0 | 31 |
| 42 | Hydrogen evolution reaction performance of the molybdenum disulfide/nickelâ€“phosphorus composites in alkaline solution. International Journal of Hydrogen Energy, 2016, 41, 18942-18952. | 3.8 | 30 |
| 43 | Metalâ€“organic framework derived cobalt phosphosulfide with ultrahigh microwave absorption properties. Nanotechnology, 2018, 29, 405703. | 1.3 | 30 |
| 44 | Direct large-scale fabrication of C-encapsulated B4C nanoparticles with tunable dielectric properties as excellent microwave absorbers. Carbon, 2019, 148, 504-511. | 5.4 | 30 |
| 45 | Fabrication of multifunctional carbon encapsulated Ni@NiO nanocomposites for oxygen reduction, oxygen evolution and lithium-ion battery anode materials. Science China Materials, 2017, 60, 947-954. | 3.5 | 29 |
| 46 | Superstructural nanodomains of ordered carbon vacancies in nonstoichiometric ZrC<sub>0.61</sub>. Journal of Materials Research, 2012, 27, 1230-1236. | 1.2 | 28 |
| 47 | Ultrahigh-Gain and Fast Photodetectors Built on Atomically Thin Bilayer Tungsten Disulfide Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2017, 9, 42001-42010. | 4.0 | 26 |
| 48 | Facile-synthesized carbonaceous photonic crystals/magnetic particle nanohybrids with heterostructure as an excellent microwave absorber. Journal of Alloys and Compounds, 2018, 741, 814-820. | 2.8 | 25 |
| 49 | Microwave absorbing properties of two dimensional materials GeP5 enhanced after annealing treatment. Applied Physics Letters, 2019, 114, . | 1.5 | 24 |
| 50 | Microwave absorption properties of heterostructure composites of two dimensional layered magnetic materials and graphene nanosheets. Applied Physics Letters, 2019, 115, . | 1.5 | 23 |
| 51 | Photoluminescence and Raman Spectra Oscillations Induced by Laser Interference in Annealingâ€Created Monolayer WS<sub>2</sub> Bubbles. Advanced Optical Materials, 2019, 7, 1801373. | 3.6 | 21 |
| 52 | Microwave Synthesized In<sub>2</sub>S<sub>3</sub>@CNTs with Excellent Properties inLithiumâ€Ion Battery and Electromagnetic Wave Absorption. Chinese Journal of Chemistry, 2018, 36, 157-161. | 2.6 | 20 |
| 53 | Carbonaceous photonic crystals as ultralong cycling anodes for lithium and sodium batteries. Journal of Materials Chemistry A, 2015, 3, 13786-13793. | 5.2 | 19 |
| 54 | Enhanced Stability of Black Phosphorus Fieldâ€Effect Transistors via Hydrogen Treatment. Advanced Electronic Materials, 2018, 4, 1700455. | 2.6 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Synthesis and characterization of polystyrene-grafted magnetite nanoparticles. Colloid and Polymer Science, 2008, 286, 837-841. | 1.0 | 18 |
| 56 | Enhanced electromagnetic wave absorption properties of NiCo2 nanoparticles interspersed with carbon nanotubes. Journal of Magnetism and Magnetic Materials, 2019, 471, 185-191. | 1.0 | 18 |
| 57 | Microwave dielectric and magnetic properties of superparamagnetic 8-nm Fe3O4 nanoparticles. Journal of Magnetism and Magnetic Materials, 2012, 324, 2471-2475. | 1.0 | 17 |
| 58 | Strain Release Induced Novel Fluorescence Variation in CVD-Grown Monolayer WS<sub>2</sub> Crystals. ACS Applied Materials & Interfaces, 2017, 9, 34071-34077. | 4.0 | 17 |
| 59 | Layered porous materials indium triphosphide InP3 for high-performance flexible all-solid-state supercapacitors. Journal of Power Sources, 2019, 438, 227010. | 4.0 | 17 |
| 60 | Highâ€Performance Broadband Photodetectors of Heterogeneous 2D Inorganic Molecular Sb<sub>2</sub>O<sub>3</sub>/Monolayer MoS<sub>2</sub> Crystals Grown via Chemical Vapor Deposition. Advanced Optical Materials, 2020, 8, 2000168. | 3.6 | 17 |
| 61 | Layer structured bismuth selenides Bi<sub>2</sub>Se<sub>3</sub> and Bi<sub>3</sub>Se<sub>4</sub> for high energy and flexible all-solid-state micro-supercapacitors. Nanotechnology, 2018, 29, 085401. | 1.3 | 16 |
| 62 | Effect of layer and stacking sequence in simultaneously grown 2H and 3R WS<sub>2</sub> atomic layers. Nanotechnology, 2019, 30, 345203. | 1.3 | 16 |
| 63 | Dynamic susceptibility of onion in ferromagnetic elliptical nanoring. AIP Advances, 2016, 6, . | 0.6 | 15 |
| 64 | Improved photoresponse and stable photoswitching of tungsten disulfide single-layer phototransistor decorated with black phosphorus nanosheets. Journal of Materials Science, 2017, 52, 11506-11512. | 1.7 | 15 |
| 65 | Facile Synthesis of Carbon-Encapsulated Ni Nanoparticles Embedded into Porous Graphite Sheets as High-Performance Microwave Absorber. ACS Sustainable Chemistry and Engineering, 2018, 6, 16179-16185. | 3.2 | 15 |
| 66 | Static and dynamic characteristics of magnetism in permalloy oval nanoring by micromagnetic simulation. Journal of Magnetism and Magnetic Materials, 2019, 474, 301-304. | 1.0 | 15 |
| 67 | Grain wall boundaries in centimeter-scale continuous monolayer WS<sub>2</sub> film grown by chemical vapor deposition. Nanotechnology, 2018, 29, 255705. | 1.3 | 14 |
| 68 | Facile preparation of carbon nanosheet frameworks/magnetic nanohybrids with heterogeneous interface as an excellent microwave absorber. Journal of Alloys and Compounds, 2020, 838, 155586. | 2.8 | 14 |
| 69 | Flexible Aramid Nanofiber/Bacterial Cellulose/Graphene Papers with Nickel Nanoparticles for Enhanced Electromagnetic Interference Shielding and Joule Heating Performance. ACS Applied Nano Materials, 2022, 5, 5589-5598. | 2.4 | 14 |
| 70 | Multifunctional Bacterial Cellulose Nanofibers/Polypyrrole (PPy) Composite Films for Joule Heating and Electromagnetic Interference Shielding. ACS Applied Electronic Materials, 2022, 4, 2552-2560. | 2.0 | 14 |
| 71 | Simple preparation and excellent microwave attenuation property of Fe3O4- and FeS2- decorated graphene nanosheets by liquid-phase exfoliation. Journal of Alloys and Compounds, 2019, 810, 151881. | 2.8 | 13 |
| 72 | One-step growth of wafer-scale monolayer tungsten disulfide via hydrogen sulfide assisted chemical vapor deposition. Applied Physics Letters, 2019, 115, . | 1.5 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Photodetection application of one-step synthesized wafer-scale monolayer MoS2 by chemical vapor deposition. 2D Materials, 2020, 7, 025020. | 2.0 | 13 |
| 74 | Enhanced microwave absorption properties of MnS2 microspheres interspersed with carbon nanotubes. Journal of Magnetism and Magnetic Materials, 2020, 502, 166432. | 1.0 | 13 |
| 75 | High-sensitivity and versatile plasmonic biosensor based on grain boundaries in polycrystalline 1L WS2 films. Biosensors and Bioelectronics, 2021, 194, 113596. | 5.3 | 13 |
| 76 | One-Step Growth of Spatially Graded Mo<sub>1â€“x</sub>W<sub>x</sub>S<sub>2</sub> Monolayers with a Wide Span in Composition (from x = 0 to 1) at a Large Scale. ACS Applied Materials & Interfaces, 2019, 11, 20979-20986. | 4.0 | 12 |
| 77 | Pressure Effect on Orderâ€“Disorder Ferroelectric Transition in a Hydrogen-Bonded Metalâ€“Organic Framework. Journal of Physical Chemistry Letters, 2020, 11, 9566-9571. | 2.1 | 11 |
| 78 | In Situ Grown Ultrafine RuO<sub>2</sub> Nanoparticles on GeP<sub>5</sub> Nanosheets as the Electrode Material for Flexible Planar Micro-Supercapacitors with High Specific Capacitance and Cyclability. ACS Applied Materials & Interfaces, 2021, 13, 47560-47571. | 4.0 | 11 |
| 79 | Enhanced Microwave Absorption Properties of FeNi Nanocrystals Decorating Reduced Graphene Oxide. Physica Status Solidi (B): Basic Research, 2018, 255, 1700553. | 0.7 | 10 |
| 80 | Highâ€Performance Aqueous Asymmetric Supercapacitors Based on Microwaveâ€Synthesized Selfâ€Supported NiCo 2 O 4 Nanograss and Carbideâ€Derived Carbon. ChemistrySelect, 2020, 5, 2865-2870. | 0.7 | 10 |
| 81 | High-performance flexible all-solid-state micro-supercapacitors based on two-dimensional InSe nanosheets. Journal of Power Sources, 2021, 482, 228987. | 4.0 | 10 |
| 82 | Magnetoresistance and Anomalous Hall Effect with Pt Spacer Thickness in the Spin-Valve Co/Pt/[Co/Pt]2 Multilayers. Journal of Superconductivity and Novel Magnetism, 2017, 30, 533-538. | 0.8 | 9 |
| 83 | Accelerated Degradation of CrCl<sub>3</sub> Nanoflakes Induced by Metal Electrodes: Implications for Remediation in Nanodevice Fabrication. ACS Applied Nano Materials, 2019, 2, 1597-1603. | 2.4 | 9 |
| 84 | Two-dimensional layered materials InSe nanoflakes/carbon nanotubes composite for flexible all-solid-state supercapacitors. Journal of Materials Science, 2020, 55, 2947-2957. | 1.7 | 7 |
| 85 | Influence of van der Waals epitaxy on phase transformation behaviors in 2D heterostructure. Applied Physics Letters, 2020, 116, . | 1.5 | 7 |
| 86 | Carbonaceous photonic crystals prepared by high-temperature/hydrothermal carbonization as high-performance microwave absorbers. Journal of Materials Science, 2019, 54, 14343-14353. | 1.7 | 6 |
| 87 | Room-temperature electric field modulation of magnetization in a helimagnet. Journal Physics D: Applied Physics, 2020, 53, 025001. | 1.3 | 5 |
| 88 | Ultrasensitive biochemical sensors based on controllably grown films of high-density edge-rich multilayer WS2 islands. Sensors and Actuators B: Chemical, 2022, 353, 131081. | 4.0 | 5 |
| 89 | Broadband light absorption and photoresponse enhancement in monolayer WSe2 crystal coupled to Sb2O3 microresonators. Nano Research, 2022, 15, 4653-4660. | 5.8 | 5 |
| 90 | Direct one-step synthesis of CoFex@Co@C hybrids derived from a metal organic framework for a lightweight and high-performance microwave absorber. Nanotechnology, 2020, 31, 095703. | 1.3 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Pressure Control of the Structure and Multiferroicity in a Hydrogen-Bonded Metalâ€“Organic Framework. Inorganic Chemistry, 0, , . | 1.9 | 4 |
| 92 | Magnetism and microwave absorption properties of two-dimensional layered ferromagnetic metal Fe3GeTe2. Journal of Materials Science, 2021, 56, 16524-16532. | 1.7 | 3 |
| 93 | Controllable growth of multilayered XSe<sub>2</sub> (X = W and Mo) for nonlinear optical and optoelectronic applications. 2D Materials, 2022, 9, 015012. | 2.0 | 2 |
| 94 | Photoemission oscillation in epitaxially grown van der Waals Î²-In<sub>2</sub>Se<sub>3</sub>WS<sub>2</sub> heterobilayer bubbles*. Chinese Physics B, 2021, 30, 117901. | 0.7 | 0 |