

Fan Wu

List of Publications by Year in descending order

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73
papers

3,468
citations

117625

34
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144013

57
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all docs

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docs citations

73
times ranked

2626
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Reduced graphene oxide (RGO) modified spongelike polypyrrole (PPy) aerogel for excellent electromagnetic absorption. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14358-14369. | 10.3 | 373 |
| 2 | Hybrid of MoS ₂ and Reduced Graphene Oxide: A Lightweight and Broadband Electromagnetic Wave Absorber. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26226-26234. | 8.0 | 357 |
| 3 | Room-temperature production of silver-nanofiber film for large-area, transparent and flexible surface electromagnetic interference shielding. <i>Npj Flexible Electronics</i> , 2019, 3, . | 10.7 | 155 |
| 4 | Chiral induced synthesis of helical polypyrrole (PPy) nano-structures: a lightweight and high-performance material against electromagnetic pollution. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2175-2181. | 5.5 | 134 |
| 5 | Two-step reduction of self-assembled three-dimensional (3D) reduced graphene oxide (RGO)/zinc oxide (ZnO) nanocomposites for electromagnetic absorption. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20307-20315. | 10.3 | 129 |
| 6 | Self-assembled ultralight three-dimensional polypyrrole aerogel for effective electromagnetic absorption. <i>Applied Physics Letters</i> , 2015, 106, . | 3.3 | 100 |
| 7 | A TTF-TCNQ complex: an organic charge-transfer system with extraordinary electromagnetic response behavior. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3316-3323. | 5.5 | 89 |
| 8 | Metal/nitrogen co-doped hollow carbon nanorods derived from self-assembly organic nanostructure for wide bandwidth electromagnetic wave absorption. <i>Composites Part B: Engineering</i> , 2022, 228, 109424. | 12.0 | 87 |
| 9 | Facile growth of coaxial Ag@polypyrrole nanowires for highly tunable electromagnetic waves absorption. <i>Materials and Design</i> , 2018, 154, 192-202. | 7.0 | 84 |
| 10 | Confined polymerization strategy to construct polypyrrole/zeolitic imidazolate frameworks (PPy/ZIFs) nanocomposites for tunable electrical conductivity and excellent electromagnetic absorption. <i>Composites Science and Technology</i> , 2019, 174, 232-240. | 7.8 | 84 |
| 11 | MOF-Guest complex derived Cu/C nanocomposites with multiple heterogeneous interfaces for excellent electromagnetic waves absorption. <i>Composites Part B: Engineering</i> , 2021, 211, 108643. | 12.0 | 83 |
| 12 | In situ growth of MoS ₂ nanosheets on reduced graphene oxide (RGO) surfaces: interfacial enhancement of absorbing performance against electromagnetic pollution. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24931-24936. | 2.8 | 81 |
| 13 | Polydopamine nanofilms as visible light-harvesting interfaces for palladium nanocrystal catalyzed coupling reactions. <i>Catalysis Science and Technology</i> , 2016, 6, 1764-1771. | 4.1 | 75 |
| 14 | In Situ Stringing of Metal Organic Frameworks by SiC Nanowires for High-Performance Electromagnetic Radiation Elimination. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33041-33048. | 8.0 | 70 |
| 15 | Facile Synthesis of Poly(3,4-ethylenedioxythiophene) Film via Solid-State Polymerization as High-Performance Pt-Free Counter Electrodes for Plastic Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8423-8429. | 8.0 | 68 |
| 16 | Controllable Coating of Polypyrrole on Silicon Carbide Nanowires as a Core-Shell Nanostructure: A Facile Method To Enhance Attenuation Characteristics against Electromagnetic Radiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2100-2106. | 6.7 | 67 |
| 17 | OD-1D-2D multidimensionally assembled Co ₉ S ₈ /CNTs/MoS ₂ composites for ultralight and broadband electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2021, 423, 130132. | 12.7 | 64 |
| 18 | Electrically conductive conjugate microporous polymers (CMPs) via confined polymerization of pyrrole for electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2020, 398, 125591. | 12.7 | 60 |

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|----|---|------|-----------|
| 19 | Electrically conductive Two-dimensional Metal-Organic frameworks for superior electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2022, 446, 137409. | 12.7 | 58 |
| 20 | Electromagnetic dissipation on the surface of metal organic framework (MOF)/reduced graphene oxide (RGO) hybrids. <i>Materials Chemistry and Physics</i> , 2017, 199, 340-347. | 4.0 | 55 |
| 21 | Cake-like flexible carbon nanotubes/graphene composite prepared via a facile method for high-performance electromagnetic interference shielding. <i>Carbon</i> , 2019, 145, 259-265. | 10.3 | 55 |
| 22 | A self-assembly method for the fabrication of a three-dimensional (3D) polypyrrole (PPy)/poly(3,4-ethylenedioxythiophene) (PEDOT) hybrid composite with excellent absorption performance against electromagnetic pollution. <i>Journal of Materials Chemistry C</i> , 2016, 4, 82-88. | 5.5 | 54 |
| 23 | Highly Robust, Flexible, and Large-Scale 3D-Metallized Sponge for High-Performance Electromagnetic Interference Shielding. <i>Advanced Materials Technologies</i> , 2020, 5, 1900761. | 5.8 | 53 |
| 24 | Growing 3D ZnO nano-crystals on 1D SiC nanowires: enhancement of dielectric properties and excellent electromagnetic absorption performance. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8897-8902. | 5.5 | 48 |
| 25 | Microporous polythiophene (MPT)-guest complex derived magnetic metal sulfides/carbon nanocomposites for broadband electromagnetic wave absorption. <i>Journal of Materials Science and Technology</i> , 2022, 100, 206-215. | 10.7 | 48 |
| 26 | A core-shell polypyrrole@silicon carbide nanowire (PPy@SiC) nanocomposite for the broadband elimination of electromagnetic pollution. <i>RSC Advances</i> , 2016, 6, 43056-43059. | 3.6 | 47 |
| 27 | The effects of annealing temperature on the permittivity and electromagnetic attenuation performance of reduced graphene oxide. <i>Applied Physics Letters</i> , 2018, 112, . | 3.3 | 45 |
| 28 | Protonic doping brings tuneable dielectric and electromagnetic attenuated properties for polypyrrole nanofibers. <i>Chemical Engineering Journal</i> , 2020, 381, 122615. | 12.7 | 42 |
| 29 | One-pot synthesis of biomass-derived carbonaceous spheres for excellent microwave absorption at the Ku band. <i>RSC Advances</i> , 2015, 5, 40531-40535. | 3.6 | 41 |
| 30 | Dual-Interfacial Polarization Enhancement to Design Tunable Microwave Absorption Nanofibers of SiC@C@PPy. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1505-1513. | 4.3 | 41 |
| 31 | Sandwich CoFe ₂ O ₄ /RGO/CoFe ₂ O ₄ Nanostructures for High-Performance Electromagnetic Absorption. <i>ACS Applied Nano Materials</i> , 2019, 2, 315-324. | 5.0 | 39 |
| 32 | Interfacial synthesis of polypyrrole microparticles for effective dissipation of electromagnetic waves. <i>Journal of Applied Physics</i> , 2015, 118, . | 2.5 | 38 |
| 33 | Two-dimensional (2D) few-layers WS ₂ nanosheets: An ideal nanomaterials with tunable electromagnetic absorption performance. <i>Applied Physics Letters</i> , 2018, 113, . | 3.3 | 38 |
| 34 | In situ preparation of ultralight three-dimensional polypyrrole/nano SiO ₂ composite aerogels with enhanced electromagnetic absorption. <i>Composites Science and Technology</i> , 2015, 117, 32-38. | 7.8 | 35 |
| 35 | Self-Assembled 3D Helical Hollow Superstructures with Enhanced Microwave Absorption Properties. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700591. | 3.9 | 34 |
| 36 | Networks constructed by metal organic frameworks (MOFs) and multiwall carbon nanotubes (MCNTs) for excellent electromagnetic waves absorption. <i>Materials Chemistry and Physics</i> , 2018, 208, 198-206. | 4.0 | 33 |

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|----|---|-----|-----------|
| 37 | Synthesis of hollow Cu _{1.8} S nano-cubes for electromagnetic interference shielding. <i>Nanoscale</i> , 2017, 9, 10961-10965. | 5.6 | 31 |
| 38 | Using organic solvent absorption as a self-assembly method to synthesize three-dimensional (3D) reduced graphene oxide (RGO)/poly(3,4-ethylenedioxythiophene) (PEDOT) architecture and its electromagnetic absorption properties. <i>RSC Advances</i> , 2014, 4, 49780-49782. | 3.6 | 30 |
| 39 | Connecting of conjugate microporous polymer nanoparticles by polypyrrole via sulfonic acid doping to form conductive nanocomposites for excellent microwaves absorption. <i>Composites Science and Technology</i> , 2022, 221, 109350. | 7.8 | 27 |
| 40 | Controllable Fabrication of Fe ₃ O ₄ /ZnO Core-Shell Nanocomposites and Their Electromagnetic Wave Absorption Performance in the 2-18 GHz Frequency Range. <i>Materials</i> , 2018, 11, 780. | 2.9 | 25 |
| 41 | Electromagnetic interference shielding properties of solid-state polymerization conducting polymer. <i>RSC Advances</i> , 2014, 4, 38797. | 3.6 | 24 |
| 42 | Few-layer black phosphorus: A bright future in electromagnetic absorption. <i>Materials Letters</i> , 2017, 193, 30-33. | 2.6 | 22 |
| 43 | Conductive Fibrous Metal-Cyanoquinone Complexes with Excellent Microwave Absorption and Shielding Effectiveness at Ultrathin Thickness. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100712. | 3.7 | 20 |
| 44 | Microwave absorption of a TiO ₂ @PPy hybrid and its nonlinear dielectric resonant attenuation mechanism. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 385502. | 2.8 | 19 |
| 45 | Conjugate Microporous Polymer-Derived Conductive Porous Carbon Nanoparticles with Narrow Pore-Size Distribution for Electromagnetic Interference Shielding. <i>ACS Applied Nano Materials</i> , 2020, 3, 4553-4561. | 5.0 | 19 |
| 46 | Magnetized polypyrrole and its enhanced electromagnetic attenuation performance. <i>Applied Physics Letters</i> , 2019, 115, 013101. | 3.3 | 18 |
| 47 | Nickel-assisted synthesis of magnetic bamboo-shaped N-doped carbon nanostructure for excellent microwaves absorption. <i>Synthetic Metals</i> , 2021, 272, 116644. | 3.9 | 18 |
| 48 | Three-dimensional (3D) Fe ₂ O ₃ /polypyrrole (PPy) nanocomposite for effective electromagnetic absorption. <i>AIP Advances</i> , 2016, 6, . | 1.3 | 17 |
| 49 | Nano-porous carbon wrapped SiC nanowires with tunable dielectric properties for electromagnetic applications. <i>Materials and Design</i> , 2020, 192, 108738. | 7.0 | 17 |
| 50 | Using Fe ₂ O ₃ to tune the electromagnetic properties of three-dimensional (3D) polypyrrole (PPy) and its broadband electromagnetic absorber. <i>RSC Advances</i> , 2016, 6, 68128-68133. | 3.6 | 16 |
| 51 | Tuning the Dielectric and Microwaves Absorption Properties of N-Doped Carbon Nanotubes by Boron Insertion. <i>Nanomaterials</i> , 2021, 11, 1164. | 4.1 | 14 |
| 52 | Molten salt-directed Ni ₃ S ₂ /C nanocomposite with advanced dielectric and magnetic properties for efficient microwave absorption. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163713. | 5.5 | 14 |
| 53 | Natural biological template for ZnO nanoparticle growth and photocatalytic dye degradation under visible light. <i>RSC Advances</i> , 2015, 5, 84406-84409. | 3.6 | 13 |
| 54 | The synthesis of core-shell nanowires with intense dielectric and magnetic resonance properties at microwave frequency. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3590-3597. | 5.5 | 13 |

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|----|--|-----|-----------|
| 55 | Carbon encapsulation of MoS ₂ nanosheets to tune their interfacial polarization and dielectric properties for electromagnetic absorption applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 537-546. | 5.5 | 13 |
| 56 | Carboxyl multiwalled carbon nanotubes modified polypyrrole (PPy) aerogel for enhanced electromagnetic absorption. <i>Materials Research Express</i> , 2016, 3, 055008. | 1.6 | 12 |
| 57 | The hybrid of SnO ₂ nanoparticle and polypyrrole aerogel: an excellent electromagnetic wave absorbing materials. <i>Materials Research Express</i> , 2016, 3, 075023. | 1.6 | 12 |
| 58 | TTF-TCNQ derived N,S-codoped carbon with multiple macropores for excellent electromagnetic wave adsorption. <i>Synthetic Metals</i> , 2021, 280, 116877. | 3.9 | 11 |
| 59 | Solid-state synthesis of a conducting polythiophene as efficient Pt-free thin film counter electrode for dye-sensitized solar cells. <i>Materials Letters</i> , 2016, 174, 91-94. | 2.6 | 10 |
| 60 | Tetrazole amphiphile inducing growth of conducting polymers hierarchical nanostructures and their electromagnetic absorption properties. <i>Nanotechnology</i> , 2018, 29, 215604. | 2.6 | 10 |
| 61 | Two-dimensional copper(i) thiophenolates: a well-constructed conductive Cu-S network for excellent electromagnetic wave absorption. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11621-11631. | 5.5 | 10 |
| 62 | Hollow Polypyrrole Nanofiber-Based Self-Assembled Aerogel: Large-Scale Fabrication and Outstanding Performance in Electromagnetic Pollution Management. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7604-7610. | 3.7 | 10 |
| 63 | Fe ₃ O ₄ nanoparticles decorated on a CuS platelet-based sphere: a popcorn chicken-like heterostructure as an ideal material against electromagnetic pollution. <i>RSC Advances</i> , 2018, 8, 17489-17496. | 3.6 | 9 |
| 64 | Ultra-broad polypyrrole (PPy) nano-ribbons seeded by racemic surfactants aggregates and their high-performance electromagnetic radiation elimination. <i>Nanotechnology</i> , 2017, 28, 315701. | 2.6 | 8 |
| 65 | Dielectric loss behavior and microwaves absorption properties of TiB ₂ ceramic. <i>Materials Research Express</i> , 2020, 7, 046301. | 1.6 | 8 |
| 66 | The effect of etching temperature on the compositional and structural evolution of ceramer from polysiloxane in chlorine. <i>Corrosion Science</i> , 2015, 101, 132-138. | 6.6 | 7 |
| 67 | Controlled hydrothermal temperature provides tunable permittivity and an improved electromagnetic absorption performance of reduced graphene oxide. <i>RSC Advances</i> , 2018, 8, 33065-33071. | 3.6 | 7 |
| 68 | Multiple-loss-enhanced NiOx@carbon spheres/reduced graphene oxide-based composite for tuneable elimination of electromagnetic signals. <i>Ceramics International</i> , 2021, 47, 18157-18166. | 4.8 | 7 |
| 69 | Ni@Carbon nanocomposites with hierarchical three-dimensional network for electromagnetic waves absorption. <i>Ceramics International</i> , 2021, 47, 27577-27585. | 4.8 | 4 |
| 70 | Controllable Fabrication of SiC@C-Fe ₃ O ₄ Hybrids and Their Excellent Electromagnetic Absorption Properties. <i>Nanomaterials</i> , 2021, 11, 3438. | 4.1 | 3 |
| 71 | A facile molten salt synthesis route for a C/MoS ₂ /Co ₉ S ₈ complex with multiple heterogeneous interfaces and excellent dielectric and magnetic properties for effective microwave absorption. <i>Ceramics International</i> , 2022, 48, 20760-20768. | 4.8 | 3 |
| 72 | Facile Preparation of Poly(vinyl alcohol)/Graphene Oxide/SiO ₂ Composites and Their Mechanical and Thermal Properties. <i>Graphene</i> , 2013, 1, 120-123. | 0.2 | 2 |

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|----|--|-----|-----------|
| 73 | Dielectric properties and microwaves response behavior of polypyrrole-derived N-doped carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2021, 32, 25820-25828. | 2.2 | 1 |