

Aming Xie

List of Publications by Year in descending order

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109
papers

4,467
citations

87723

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114
docs citations

114
times ranked

3600
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.6	48
2	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.	5.9	87
3	Heteroatom-free conjugated tetraphenylethylene polymers for selectively fluorescent detection of tetracycline. <i>Analytica Chimica Acta</i> , 2022, 1190, 339236.	2.6	32
4	18Î±-Glycyrrhetic acid aggregation-induced emission probes for visual fluorescence detection of explosive as well multi-functional applications. <i>New Journal of Chemistry</i> , 2022, 46, 1896-1904.	1.4	2
5	Machine learning-assisted array from fluorescent conjugated microporous polymers for multiple explosives recognition. <i>Analytica Chimica Acta</i> , 2022, 1192, 339343.	2.6	7
6	Molten salt-directed Ni3S2/C nanocomposite with advanced dielectric and magnetic properties for efficient microwave absorption. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163713.	2.8	14
7	Dendritic Hydrogels with Robust Inherent Antibacterial Properties for Promoting Bacteria-Infected Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11144-11155.	4.0	116
8	Pyrene-based sulfonated organic porous materials for rapid adsorption of cationic dyes in water. <i>Environmental Technology (United Kingdom)</i> , 2022, , 1-12.	1.2	0
9	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.	3.8	27
10	Carbon nanofilm stabilized twisty V2O3 nanorods with enhanced multiple polarization behavior for electromagnetic wave absorption application. <i>Journal of Materials Science and Technology</i> , 2022, 119, 37-44.	5.6	59
11	A facile molten salt synthesis route for a C/MoS2/Co9S8 complex with multiple heterogeneous interfaces and excellent dielectric and magnetic properties for effective microwave absorption. <i>Ceramics International</i> , 2022, 48, 20760-20768.	2.3	3
12	Sulfonated tetraphenylethylene polymers with negative charges for high-capacity removal of organic dyes from waste water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 128948.	2.3	6
13	Rapid chromium reduction by metal-free organic polymer photocatalysis via molecular engineering. <i>Journal of Hazardous Materials</i> , 2022, 434, 128938.	6.5	20
14	Synthesis of cationic hydrogels with tunable physicochemical properties for antibacterial applications. <i>European Polymer Journal</i> , 2022, 173, 111228.	2.6	7
15	Single crystal to polycrystal: Enhanced dielectric loss and electromagnetic wave absorption of MoO2 ceramic at Gigahertz. <i>Ceramics International</i> , 2022, 48, 29715-29721.	2.3	46
16	Ultrafine gold nanoparticles dispersed in conjugated microporous polymers with sulfhydryl functional groups to improve the reducing activity of 4-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 649, 129459.	2.3	5
17	Electrically conductive Two-dimensional Metal-Organic frameworks for superior electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2022, 446, 137409.	6.6	58
18	Dielectric properties and microwaves response behavior of polypyrrole-derived N-doped carbon nanotubes. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 25820-25828.	1.1	1

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19	Nickel-assisted synthesis of magnetic bamboo-shaped N-doped carbon nanostructure for excellent microwaves absorption. <i>Synthetic Metals</i> , 2021, 272, 116644.	2.1	18
20	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.	2.7	13
21	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.	2.7	89
22	Confining Palladium Nanoparticles in Microporous Tetrastylene Polymer Enables Efficient Size-Selective Heterogeneous Catalysis. <i>ACS Applied Nano Materials</i> , 2021, 4, 3869-3876.	2.4	19
23	Tuning the Dielectric and Microwaves Absorption Properties of N-Doped Carbon Nanotubes by Boron Insertion. <i>Nanomaterials</i> , 2021, 11, 1164.	1.9	14
24	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.	5.9	83
25	Pyrene Derived aggregation-induced emission sensor for highly selective detection of explosive CL-20. <i>Journal of Luminescence</i> , 2021, 233, 117871.	1.5	8
26	Tetraphenylethylene-vitamin E Conjugates as sensitive aggregation-induced emission probes for selective detection of explosive FOX-7. <i>Analytica Chimica Acta</i> , 2021, 1164, 338525.	2.6	6
27	Recent Advances in Design and Fabrication of Nanocomposites for Electromagnetic Wave Shielding and Absorbing. <i>Materials</i> , 2021, 14, 4148.	1.3	31
28	Polypyrrole-derived N-doped carbon nanoribbon for broadband microwaves absorption. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26151.	1.1	1
29	Conductive Fibrous Metal-Cyanoquinone Complexes with Excellent Microwave Absorption and Shielding Effectiveness at Ultrathin Thickness. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100712.	1.9	20
30	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.	2.3	7
31	Tuning electromagnetic absorption properties of transition metal oxides by hydrogenation with nascent hydrogen. <i>Chemical Engineering Journal</i> , 2021, 417, 127980.	6.6	18
32	Ni@Carbon nanocomposites with hierarchical three-dimensional network for electromagnetic waves absorption. <i>Ceramics International</i> , 2021, 47, 27577-27585.	2.3	4
33	TTF-TCNQ derived N,S-codoped carbon with multiple macropores for excellent electromagnetic wave adsorption. <i>Synthetic Metals</i> , 2021, 280, 116877.	2.1	11
34	Tetraphenylethylene-cholesterol conjugates as sensitive aggregation-induced emission probe for selective detection of explosive FOX-7. <i>Journal of Luminescence</i> , 2021, 238, 118318.	1.5	5
35	Core-shell heterostructured nanofibers consisting of Fe ₇ S ₈ nanoparticles embedded into S-doped carbon nanoshells for superior electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2021, 423, 130307.	6.6	51
36	Biomass-based carbon materials derived from <i>Cyperus malaccensis</i> Lam. var. <i>brevifolius</i> Bockl with efficient microwave absorption performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26202-26212.	1.1	2

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37	Controllable Fabrication of SiC@C-Fe ₃ O ₄ Hybrids and Their Excellent Electromagnetic Absorption Properties. <i>Nanomaterials</i> , 2021, 11, 3438.	1.9	3
38	Protonic doping brings tuneable dielectric and electromagnetic attenuated properties for polypyrrole nanofibers. <i>Chemical Engineering Journal</i> , 2020, 381, 122615.	6.6	42
39	Sulfonate-grafted conjugated microporous polymers for fast removal of cationic dyes from water. <i>Chemical Engineering Journal</i> , 2020, 391, 123591.	6.6	42
40	The synthesis of aggregation-induced emitting vitamin E derivative and its selective fluorescent response toward Fe ³⁺ . <i>Tetrahedron Letters</i> , 2020, 61, 152445.	0.7	2
41	Dielectric loss behavior and microwaves absorption properties of TiB ₂ ceramic. <i>Materials Research Express</i> , 2020, 7, 046301.	0.8	8
42	Fluorescent conjugated microporous polymer (CMP) derived sensor array for multiple Organic/Inorganic contaminants detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128448.	4.0	29
43	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.	1.8	10
44	Ultrathin ZnIn ₂ S ₄ Nanosheets Anchored on Ti ₃ C ₂ T _X MXene for Photocatalytic H ₂ Evolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11287-11292.	7.2	416
45	0D/2D Co ₃ O ₄ /TiO ₂ Z-Scheme heterojunction for boosted photocatalytic degradation and mechanism investigation. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119298.	10.8	256
46	Lipophilic Red-Emitting Oligomeric Organic Dots for Moisture Detection and Cell Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 1942-1949.	2.4	7
47	Ultrathin ZnIn ₂ S ₄ Nanosheets Anchored on Ti ₃ C ₂ T _X MXene for Photocatalytic H ₂ Evolution. <i>Angewandte Chemie</i> , 2020, 132, 11383-11388.	1.6	69
48	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.	2.4	19
49	Electrically conductive conjugate microporous polymers (CMPs) via confined polymerization of pyrrole for electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2020, 398, 125591.	6.6	60
50	Dual-Interfacial Polarization Enhancement to Design Tunable Microwave Absorption Nanofibers of SiC@C@PPy. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1505-1513.	2.0	41
51	Dielectric loss and nonlinear resonance properties of zirconium boride (ZrB ₂) high-temperature ceramic. <i>Materials Research Express</i> , 2019, 6, 096312.	0.8	0
52	Magnetized polypyrrole and its enhanced electromagnetic attenuation performance. <i>Applied Physics Letters</i> , 2019, 115, 013101.	1.5	18
53	Dramatic red fluorescence enhancement and emission red shift of carbon dots following Zn/ZnO decoration. <i>Luminescence</i> , 2019, 34, 759-766.	1.5	14
54	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.	2.7	10

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55	One-pot synthesis of conjugated microporous polymers loaded with superfine nano-palladium and their micropore-confinement effect on heterogeneously catalytic reduction. <i>Journal of Catalysis</i> , 2019, 378, 42-50.	3.1	28
56	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.	3.8	84
57	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.	2.7	13
58	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.	3.2	67
59	Sandwich $\text{CoFe}_2\text{O}_4/\text{RGO}/\text{CoFe}_2\text{O}_4$ Nanostructures for High-Performance Electromagnetic Absorption. <i>ACS Applied Nano Materials</i> , 2019, 2, 315-324.	2.4	39
60	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.	2.0	33
61	Fluorine-Doped Cationic Carbon Dots for Efficient Gene Delivery. <i>ACS Applied Nano Materials</i> , 2018, 1, 2376-2385.	2.4	86
62	Tetrazole amphiphile inducing growth of conducting polymers hierarchical nanostructures and their electromagnetic absorption properties. <i>Nanotechnology</i> , 2018, 29, 215604.	1.3	10
63	Self-Assembled 3D Helical Hollow Superstructures with Enhanced Microwave Absorption Properties. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700591.	2.0	34
64	Controlled hydrothermal temperature provides tunable permittivity and an improved electromagnetic absorption performance of reduced graphene oxide. <i>RSC Advances</i> , 2018, 8, 33065-33071.	1.7	7
65	Superfine palladium nanocrystals on a polyphenylene framework for photocatalysis. <i>Catalysis Science and Technology</i> , 2018, 8, 5201-5206.	2.1	11
66	Facile growth of coaxial Ag@polypyrrole nanowires for highly tunable electromagnetic waves absorption. <i>Materials and Design</i> , 2018, 154, 192-202.	3.3	84
67	Mussel-inspired synthesis of amino acid modified magnetic nanoparticles for high-efficiency dye adsorption. <i>Materials Research Express</i> , 2018, 5, 065014.	0.8	1
68	Two-dimensional (2D) few-layers WS ₂ nanosheets: An ideal nanomaterials with tunable electromagnetic absorption performance. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	38
69	The effects of annealing temperature on the permittivity and electromagnetic attenuation performance of reduced graphene oxide. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	45
70	Few-layer black phosphorus: A bright future in electromagnetic absorption. <i>Materials Letters</i> , 2017, 193, 30-33.	1.3	22
71	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.	2.7	134
72	Highly N,P-doped carbon dots: Rational design, photoluminescence and cellular imaging. <i>Mikrochimica Acta</i> , 2017, 184, 2933-2940.	2.5	72

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73	Ultra-broad polypyrrole (PPy) nano-ribbons seeded by racemic surfactants aggregates and their high-performance electromagnetic radiation elimination. <i>Nanotechnology</i> , 2017, 28, 315701.	1.3	8
74	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.	4.0	70
75	Large Emission Red-Shift of Carbon Dots by Fluorine Doping and Their Applications for Red Cell Imaging and Sensitive Intracellular Ag ⁺ Detection. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26558-26565.	1.5	125
76	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.	2.0	55
77	Synthesis of hollow Cu _{1.8} S nano-cubes for electromagnetic interference shielding. <i>Nanoscale</i> , 2017, 9, 10961-10965.	2.8	31
78	Carboxyl multiwalled carbon nanotubes modified polypyrrole (PPy) aerogel for enhanced electromagnetic absorption. <i>Materials Research Express</i> , 2016, 3, 055008.	0.8	12
79	Three-dimensional (3D) γ -Fe ₂ O ₃ /polypyrrole (PPy) nanocomposite for effective electromagnetic absorption. <i>AIP Advances</i> , 2016, 6, .	0.6	17
80	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.	1.7	47
81	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.	1.3	19
82	The hybrid of SnO ₂ nanoparticle and polypyrrole aerogel: an excellent electromagnetic wave absorbing materials. <i>Materials Research Express</i> , 2016, 3, 075023.	0.8	12
83	Using γ -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.	1.7	16
84	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.	1.3	81
85	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.	2.7	48
86	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.	2.7	54
87	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.	1.3	10
88	Polydopamine nanofilms as visible light-harvesting interfaces for palladium nanocrystal catalyzed coupling reactions. <i>Catalysis Science and Technology</i> , 2016, 6, 1764-1771.	2.1	75
89	Interfacial synthesis of polypyrrole microparticles for effective dissipation of electromagnetic waves. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	38
90	Self-assembled ultralight three-dimensional polypyrrole aerogel for effective electromagnetic absorption. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	100

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91	Reduced graphene oxide (RGO) modified spongelike polypyrrole (PPy) aerogel for excellent electromagnetic absorption. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14358-14369.	5.2	373
92	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.	3.8	35
93	Cationic Charged Polymer Vesicles from Amphiphilic PEI-g-PSSA-g-PEI as Potential Gene Delivery Vehicles. <i>Australian Journal of Chemistry</i> , 2015, 68, 806.	0.5	7
94	One-pot synthesis of biomass-derived carbonaceous spheres for excellent microwave absorption at the Ku band. <i>RSC Advances</i> , 2015, 5, 40531-40535.	1.7	41
95	An Environmentally Friendly Method for <i>N</i> -Methylation of 5-Substituted 1 <i>H</i> -Tetrazoles with a Green Methylating Reagent: Dimethyl Carbonate. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1483-1487.	1.4	9
96	Natural biological template for ZnO nanoparticle growth and photocatalytic dye degradation under visible light. <i>RSC Advances</i> , 2015, 5, 84406-84409.	1.7	13
97	The synthesis of three-dimensional (3D) polydopamine-functioned carbonyl iron powder@polypyrrole (CIP@PPy) aerogel composites for excellent microwave absorption. <i>Synthetic Metals</i> , 2015, 210, 156-164.	2.1	36
98	The oxidation of alcohols with O-iodoxybenzoic acid (IBX) in aqueous nanomicelles at room temperature. <i>Tetrahedron</i> , 2014, 70, 3514-3519.	1.0	18
99	Synthesis and characterization of a novel semi-IPN hydrogel based on Salecan and poly(N,N-dimethylacrylamide-co-2-hydroxyethyl methacrylate). <i>Carbohydrate Polymers</i> , 2014, 105, 135-144.	5.1	78
100	Heterocycle-substituted tetrazole ligands for copper-catalysed aerobic oxidation of alcohols. <i>Tetrahedron</i> , 2014, 70, 9791-9796.	1.0	17
101	Synthesis, characterization of poly(m-phenylenediamine)/palygorskite and its unusual and reactive adsorbability to chromium(vi). <i>New Journal of Chemistry</i> , 2014, 38, 777.	1.4	30
102	A releasable disulfide carbonate linker for polyethyleneimine (PEI)-based gene vectors. <i>New Journal of Chemistry</i> , 2014, 38, 5207-5214.	1.4	18
103	Synthesis and characterization of a novel hydrogel: salecan/polyacrylamide semi-IPN hydrogel with a desirable pore structure. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3646.	2.9	83
104	Construction of efficacious hepatoma-targeted nanomicelles non-covalently functionalized with galactose for drug delivery. <i>Polymer Chemistry</i> , 2014, 5, 7121-7130.	1.9	14
105	The Synthesis of Tetrazoles in Nanometer Aqueous Micelles at Room Temperature. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 436-441.	1.2	18
106	One-pot Synthesis of Triazoles from Organic Halides and Alkynes in Nonionic Nanomicelles at Room Temperature. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 1278-1283.	1.3	3
107	The Synthesis of 5-Substituted 1 <i>H</i> -Tetrazoles in Molten Tetrabutylammonium Bromide. <i>Journal of Chemical Research</i> , 2013, 37, 665-667.	0.6	6
108	Modulating surficial oxygen vacancy of the VO ₂ nanostructure to boost its electromagnetic absorption performance. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	56

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109	Electrically Driven Hydrogenation of MoO ₃ Nanoparticles in Protonic Acid for Oxidative Degradation of Micropollutants. ACS Applied Nano Materials, 0, , .	2.4	2