

Wei Dong

List of Publications by Year in descending order

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70
papers

3,961
citations

81743

39
h-index

123241

61
g-index

70
all docs

70
docs citations

70
times ranked

3234
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Robust Ag@Decorated Polydopamine Nano-Photothermal Platforms to Combat Bacterial Infection and Prompt Wound Healing. <i>Advanced Science</i> , 2022, 9, e2106015.	5.6	198
2	Recent advances in natural polymer-based drug delivery systems. <i>Reactive and Functional Polymers</i> , 2020, 148, 104501.	2.0	192
3	Investigation of Salecan/poly(vinyl alcohol) hydrogels prepared by freeze/thaw method. <i>Carbohydrate Polymers</i> , 2015, 118, 60-69.	5.1	172
4	Mussel-inspired agarose hydrogel scaffolds for skin tissue engineering. <i>Bioactive Materials</i> , 2021, 6, 579-588.	8.6	142
5	Fabrication and Characterization of a Novel Anticancer Drug Delivery System: Salecan/Poly(methacrylic acid) Semi-interpenetrating Polymer Network Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1287-1299.	2.6	136
6	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
7	Preparation and characterization of a novel pH-sensitive Salecan-g-poly(acrylic acid) hydrogel for controlled release of doxorubicin. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2685-2697.	2.9	121
8	Salecan-Based pH-Sensitive Hydrogels for Insulin Delivery. <i>Molecular Pharmaceutics</i> , 2017, 14, 431-440.	2.3	117
9	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
10	Polysaccharide-based cationic hydrogels for dye adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 364-372.	2.5	113
11	Oral Administration of Salecan-Based Hydrogels for Controlled Insulin Delivery. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10479-10489.	2.4	111
12	Fenton-like catalyst Fe ₃ O ₄ @polydopamine-MnO ₂ for enhancing removal of methylene blue in wastewater. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 226-233.	2.5	99
13	Fabrication of a new polysaccharide-based adsorbent for water purification. <i>Carbohydrate Polymers</i> , 2018, 195, 368-377.	5.1	93
14	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
15	Pullulan-derived nanocomposite hydrogels for wastewater remediation: Synthesis and characterization. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 253-262.	5.0	87
16	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
17	Fluorine-Doped Cationic Carbon Dots for Efficient Gene Delivery. <i>ACS Applied Nano Materials</i> , 2018, 1, 2376-2385.	2.4	86
18	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

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19	Salecan polysaccharide-based hydrogels and their applications: a review. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2577-2587.	2.9	83
20	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
21	Facile fabrication of functional hydrogels consisting of pullulan and polydopamine fibers for drug delivery. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 366-374.	3.6	80
22	Highly efficient removal of antibiotic from biomedical wastewater using Fenton-like catalyst magnetic pullulan hydrogels. <i>Carbohydrate Polymers</i> , 2021, 262, 117951.	5.1	74
23	Highly N,P-doped carbon dots: Rational design, photoluminescence and cellular imaging. <i>Mikrochimica Acta</i> , 2017, 184, 2933-2940.	2.5	72
24	Smart Macroporous Salecan/Poly(<i>N,N</i> -diethylacrylamide) Semi-IPN Hydrogel for Anti-Inflammatory Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1386-1394.	2.6	70
25	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
26	Design of Salecan-containing semi-IPN hydrogel for amoxicillin delivery. <i>Materials Science and Engineering C</i> , 2017, 75, 487-494.	3.8	67
27	Carbon nanofilm stabilized twisty V ₂ O ₃ 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
28	Electrically conductive Two-dimensional Metal-Organic frameworks for superior electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2022, 446, 137409.	6.6	58
29	Cationic Salecan-based hydrogels for release of 5-fluorouracil. <i>RSC Advances</i> , 2017, 7, 14337-14347.	1.7	56
30	Nitrogen-doped carbon dots as a fluorescent probe for the highly sensitive detection of Ag ⁺ and cell imaging. <i>Luminescence</i> , 2018, 33, 243-248.	1.5	56
31	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
32	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
33	Development of novel hydrogels based on Salecan and poly(N-isopropylacrylamide-co-methacrylic) Tj ETQq1 1 0.784314 rgBT ₅₂ /Overlook	1.7	52
34	UV-assisted ultrafast construction of robust Fe ₃ O ₄ /polydopamine/Ag Fenton-like catalysts for highly efficient micropollutant decomposition. <i>Science of the Total Environment</i> , 2022, 810, 151182.	3.9	49
35	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
36	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

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37	Results of a 90-day safety assessment study in mice fed a glucan produced by <i>Agrobacterium</i> sp. ZX09. <i>Food and Chemical Toxicology</i> , 2011, 49, 2377-2384.	1.8	45
38	Sulfonate-grafted conjugated microporous polymers for fast removal of cationic dyes from water. <i>Chemical Engineering Journal</i> , 2020, 391, 123591.	6.6	42
39	Together is better: poly(tannic acid) nanorods functionalized polysaccharide hydrogels for diabetic wound healing. <i>Industrial Crops and Products</i> , 2022, 186, 115273.	2.5	41
40	Polysaccharide metallohydrogel obtained from Salecan and trivalent chromium: Synthesis and characterization. <i>Carbohydrate Polymers</i> , 2018, 181, 285-291.	5.1	40
41	Incorporation of dumbbell-shaped and Y-shaped cross-linkers in adjustable pullulan/polydopamine hydrogels for selective adsorption of cationic dyes. <i>Environmental Research</i> , 2020, 182, 109010.	3.7	40
42	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
43	Heteroatom-free conjugated tetraphenylethylene polymers for selectively fluorescent detection of tetracycline. <i>Analytica Chimica Acta</i> , 2022, 1190, 339236.	2.6	32
44	A coumarin-connected carboxylic indolinium sensor for cyanide detection in absolute aqueous medium and its application in biological cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117710.	2.0	31
45	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
46	Selective determination of Ag ⁺ using Salecan derived nitrogen doped carbon dots as a fluorescent probe. <i>Materials Science and Engineering C</i> , 2017, 77, 508-512.	3.8	28
47	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
48	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
49	Polydopamine magnetic microspheres grafted with sulfonic acid groups for efficient adsorption of tetracycline. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127263.	2.3	23
50	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
51	Rapid chromium reduction by metal-free organic polymer photocatalysis via molecular engineering. <i>Journal of Hazardous Materials</i> , 2022, 434, 128938.	6.5	20
52	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
53	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
54	Preparation of a Salecan/poly(2-acrylamido-2-methylpropanosulfonic) Tj ETQqO O 0 rgBT /Overlock 10 Tf 50 67 Td (acid-coâ€¦ <i>ChemMedChem</i> , 2017, 12, 120-129.	1.6	18

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55	Tuning electromagnetic absorption properties of transition metal oxides by hydrogenation with nascent hydrogen. <i>Chemical Engineering Journal</i> , 2021, 417, 127980.	6.6	18
56	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
57	Naphthalene-benzimidazole derived two novel fluorometric pH-Responsive probes for environmental systems and bioimaging. <i>Talanta</i> , 2019, 203, 90-98.	2.9	14
58	Superfine palladium nanocrystals on a polyphenylene framework for photocatalysis. <i>Catalysis Science and Technology</i> , 2018, 8, 5201-5206.	2.1	11
59	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
60	Development of a novel pullulan/polydopamine composite hydrogel adsorbent for dye removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 652, 129632.	2.3	10
61	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
62	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
63	Synthesis of cationic hydrogels with tunable physicochemical properties for antibacterial applications. <i>European Polymer Journal</i> , 2022, 173, 111228.	2.6	7
64	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
65	Benzimidazole-based turn-on fluorescence probe developed for highly specific and ultrasensitive detection of hypochlorite ions in living cells. <i>Luminescence</i> , 2021, 36, 1377-1384.	1.5	5
66	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
67	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
68	18-crown-6-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
69	Visual Monitoring of Levofloxacin in Biofluids by Europium(III)-Functionalized Mesoporous Silica Nanoparticles. <i>ACS Applied Nano Materials</i> , 2022, 5, 5631-5639.	2.4	2
70	Electrically Driven Hydrogenation of MoO ₃ Nanoparticles in Protonic Acid for Oxidative Degradation of Micropollutants. <i>ACS Applied Nano Materials</i> , 0, , .	2.4	2