Changzhu Wu

List of Publications by Year
in descending order

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		172457	214800
57	2,366	29	47
papers	citations	h-index	g-index

58	58	58	2864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biomedical application of graphene: From drug delivery, tumor therapy, to theranostics. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110596.	5.0	141
2	Near-infrared light triggered photo-therapy, in combination with chemotherapy using magnetofluorescent carbon quantum dots for effective cancer treating. Carbon, 2017, 118, 752-764.	10.3	123
3	Magnetic and fluorescent carbon nanotubes for dual modal imaging and photothermal and chemo-therapy of cancer cells in living mice. Carbon, 2017, 123, 70-83.	10.3	121
4	Carboxymethyl Chitosan Modified Carbon Nanoparticle for Controlled Emamectin Benzoate Delivery: Improved Solubility, pH-Responsive Release, and Sustainable Pest Control. ACS Applied Materials & Interfaces, 2019, 11, 34258-34267.	8.0	113
5	Magnetofluorescent Fe3O4/carbon quantum dots coated single-walled carbon nanotubes as dual-modal targeted imaging and chemo/photodynamic/photothermal triple-modal therapeutic agents. Chemical Engineering Journal, 2018, 338, 526-538.	12.7	105
6	Synthesis of lanthanum doped carbon dots for detection of mercury ion, multi-color imaging of cells and tissue, and bacteriostasis. Chemical Engineering Journal, 2017, 330, 1137-1147.	12.7	87
7	Insight into the effect of particle size distribution differences on the antibacterial activity of carbon dots. Journal of Colloid and Interface Science, 2021, 584, 505-519.	9.4	76
8	Black phosphorus nanosheets-based nanocarriers for enhancing chemotherapy drug sensitiveness via depleting mutant p53 and resistant cancer multimodal therapy. Chemical Engineering Journal, 2019, 370, 387-399.	12.7	73
9	Hollow Porous Carbon Coated FeS₂-Based Nanocatalysts for Multimodal Imaging-Guided Photothermal, Starvation, and Triple-Enhanced Chemodynamic Therapy of Cancer. ACS Applied Materials & Interfaces, 2020, 12, 10142-10155.	8.0	73
10	Functionalization of polyvinyl alcohol composite film wrapped in a-ZnO@CuO@Au nanoparticles for antibacterial application and wound healing. Applied Materials Today, 2019, 17, 36-44.	4.3	65
11	pH-Sensitive N-doped carbon dotsâ€“heparin and doxorubicin drug delivery system: preparation and anticancer research. RSC Advances, 2017, 7, 9347-9356.	3.6	62
12	Aggregation-Induced Emission Nanoparticles for Single Near-Infrared Light-Triggered Photodynamic and Photothermal Antibacterial Therapy. ACS Nano, 2022, 16, 7961-7970.	14.6	61
13	Ultrasmall Graphene Oxide Modified with Fe₃O₄ Nanoparticles as a Fenton-Like Agent for Methylene Blue Degradation. ACS Applied Nano Materials, 2019, 2, 7074-7084.	5.0	59
14	Light-Activated Biodegradable Covalent Organic Framework-Integrated Heterojunction for Photodynamic, Photothermal, and Gaseous Therapy of Chronic Wound Infection. ACS Applied Materials & Interfaces, 2021, 13, 42396-42410.	8.0	59
15	Multifunctional Nanocomposites for Targeted, Photothermal, and Chemotherapy. Chemistry of Materials, 2019, 31, 1847-1859.	6.7	57
16	Antibacterial and anticoagulation properties of carboxylated graphene oxideâ€“lanthanum complexes. Journal of Materials Chemistry, 2012, 22, 1673-1678.	6.7	55
17	Hyaluronic Acid-Modified Porous Carbon-Coated Fe₃O₄ Nanoparticles for Magnetic Resonance Imaging-Guided Photothermal/Chemotherapy of Tumors. Langmuir, 2019, 35, 13135-13144.	3.5	54
18	Near-infrared light-mediated photodynamic/photothermal therapy nanoplatform by the assembly of Fe₃O₄ carbon dots with graphitic black phosphorus quantum dots. International Journal of Nanomedicine, 2018, Volume 13, 2803-2819.	6.7	53

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19	Mn2+ complex-modified polydopamine- and dual emissive carbon dots based nanoparticles for in vitro and in vivo trimodality fluorescent, photothermal, and magnetic resonance imaging. Chemical Engineering Journal, 2019, 373, 1054-1063.	12.7	51
20	Hydroxypropyl-Î²-cyclodextrinâ€“graphene oxide conjugates: Carriers for anti-cancer drugs. Materials Science and Engineering C, 2016, 61, 681-687.	7.3	49
21	A hydrothermal route to multicolor luminescent carbon dots from adenosine disodium triphosphate for bioimaging. Materials Science and Engineering C, 2017, 76, 1146-1153.	7.3	49
22	Magnetofluorescent Carbon Quantum Dot Decorated Multiwalled Carbon Nanotubes for Dual-Modal Targeted Imaging in Chemo-Photothermal Synergistic Therapy. ACS Biomaterials Science and Engineering, 2018, 4, 151-162.	5.2	47
23	Black Phosphorus Quantum Dots Gated, Carbonâ€Coated Fe₃O₄ Nanocapsules (BPQDs@ssâ€Fe₃O₄@C) with Low Premature Release Could Enable Imagingâ€Guided Cancer Combination Therapy. Chemistry - A European Journal, 2018, 24, 12890-12901.	3.3	47
24	A theranostic nanocomposite with integrated black phosphorus nanosheet, Fe3O4@MnO2-doped upconversion nanoparticles and chlorin for simultaneous multimodal imaging, highly efficient photodynamic and photothermal therapy. Chemical Engineering Journal, 2020, 391, 123525.	12.7	47
25	Image-guided cancer therapy using aptamer-functionalized cross-linked magnetic-responsive Fe3O4@carbon nanoparticles. Analytica Chimica Acta, 2019, 1056, 108-116.	5.4	41
26	Genipin cross-linked carbon dots for antimicrobial, bioimaging and bacterial discrimination. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110930.	5.0	39
27	Magnetofluorescent photothermal micelles packaged with GdN@CQDs as photothermal and chemical dual-modal therapeutic agents. Chemical Engineering Journal, 2017, 330, 442-452.	12.7	35
28	Manganese ion chelated FeOCl@PB@PDA@BPQDs nanocomposites as a tumor microenvironment-mediated nanoplatform for enhanced tumor imaging and therapy. Sensors and Actuators B: Chemical, 2020, 307, 127491.	7.8	33
29	A novel biodegradable injectable chitosan hydrogel for overcoming postoperative trauma and combating multiple tumors. Carbohydrate Polymers, 2021, 265, 118065.	10.2	32
30	Injectable In Situ Self-Cross-Linking Hydrogels Based on Hemoglobin, Carbon Quantum Dots, and Sodium Alginate for Real-Time Detection of Wound Bacterial Infection and Efficient Postoperative Prevention of Tumor Recurrence. Langmuir, 2020, 36, 13263-13273.	3.5	30
31	Long-term and controlled release of chlorhexidineâ€“copper(II) from organically modified montmorillonite (OMMT) nanocomposites. Materials Science and Engineering C, 2013, 33, 752-757.	7.3	28
32	MoO3-x nanosheets-based platform for single NIR laser induced efficient PDT/PTT of cancer. Journal of Controlled Release, 2021, 338, 46-55.	9.9	28
33	Antibacterial fluorescent nano-sized lanthanum-doped carbon quantum dot embedded polyvinyl alcohol for accelerated wound healing. Journal of Colloid and Interface Science, 2022, 608, 973-983.	9.4	28
34	Preparation of fluorescent N,P-doped carbon dots derived from adenosine 5â€²-monophosphate for use in multicolor bioimaging of adenocarcinomic human alveolar basal epithelial cells. Mikrochimica Acta, 2017, 184, 699-706.	5.0	27
35	Wound healing acceleration by antibacterial biodegradable black phosphorus nanosheets loaded with cationic carbon dots. Journal of Materials Science, 2021, 56, 6411-6426.	3.7	27
36	Carboxylated graphene oxide functionalized with Î²-cyclodextrinâ€”Engineering of a novel nanohybrid drug carrier. International Journal of Biological Macromolecules, 2016, 93, 117-122.	7.5	26

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37	Surface-initiated reverse atom transfer radical polymerization (SI-RATRP) for blood-compatible polyurethane substrates. Applied Surface Science, 2011, 258, 618-626.	6.1	25
38	Graphene oxide and adenosine triphosphate as a source for functionalized carbon dots with applications in pH-triggered drug delivery and cell imaging. RSC Advances, 2017, 7, 9284-9293.	3.6	25
39	Anticoagulant polyurethane substrates modified with poly(2-methacryloyloxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662	5.0	23
40	Multifunctional red carbon dots: a theranostic platform for magnetic resonance imaging and fluorescence imaging-guided chemodynamic therapy. Analyst, The, 2020, 145, 3592-3597.	3.5	22
41	Silica-supported near-infrared carbon dots and bicarbonate nanoplatform for triple synergistic sterilization and wound healing promotion therapy. Journal of Colloid and Interface Science, 2022, 608, 1308-1322.	9.4	21
42	A multifunctional carbon dot-based nanoplatform for bioimaging and quaternary ammonium salt/photothermal synergistic antibacterial therapy. Journal of Materials Chemistry B, 2022, 10, 2865-2874.	5.8	18
43	Antiâ€MicroRNAâ€21 Oligonucleotide Loaded Sperminеâ€Modified Acetalated Dextran Nanoparticles for B1 Receptorâ€Targeted Gene Therapy and Antiangiogenesis Therapy. Advanced Science, 2022, 9, e2103812.	11.2	18
44	Quaternized Chitosan-Coated Montmorillonite Interior Antimicrobial Metalâ€“Antibiotic in Situ Coordination Complexation for Mixed Infections of Wounds. Langmuir, 2019, 35, 15275-15286.	3.5	17
45	Study on montmorilloniteâ€“chlorhexidine acetateâ€“terbinafine hydrochloride intercalation composites as drug release systems. RSC Advances, 2018, 8, 21369-21377.	3.6	13
46	Auâ€“Cu Bimetallic Nanostructures for Photothermal Antibacterial and Wound Healing Promotion. ACS Applied Nano Materials, 2022, 5, 8621-8630.	5.0	13
47	Antibacterial and anticoagulation properties of polyethylene/geneOâ€MPC nanocomposites. Journal of Applied Polymer Science, 2013, 129, 884-891.	2.6	11
48	Novel controlled drug release system engineered with inclusion complexes based on carboxylic graphene. Colloids and Surfaces B: Biointerfaces, 2019, 175, 18-25.	5.0	10
49	Synthesis and characterization of poly(2â€methacryloyloxyethyl phosphorylcholine) onto graphene oxide. Polymers for Advanced Technologies, 2013, 24, 685-691.	3.2	9
50	Dehydration Study of Piracetam Co-Crystal Hydrates. Journal of Pharmaceutical Sciences, 2018, 107, 2804-2809.	3.3	8
51	Preparation, characterization, and evaluation of a heparinâ€benzalkonium chlorideâ€graphite oxide/polymethylvinyl siloxane nanocomposite. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1623-1627.	4.0	6
52	H₂O₂ Self-Supplementing and GSH-Depleting Nanoreactors Based on MoO_{3â€“x}@Fe₃O₄-GOD-PVP for Photothermally Reinforced Nanocatalytic Cancer Therapy at the Second Near-Infrared Biowindow. ACS Sustainable Chemistry and Engineering, 2022, 10, 6346-6357.	6.7	6
53	Study on crystallization kinetics of LDPE filled with CaCO₃ of different size and size distribution. Journal of Applied Polymer Science, 2011, 120, 3490-3500.	2.6	5
54	Synthesis and characterization of a novel antibacterial material containing poly(sulfobetaine) using reverse atom transfer radical polymerization. RSC Advances, 2018, 8, 33000-33009.	3.6	5

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55	N-Doped CDsâ€“GP nanospheres as a drug delivery nanocarrier system with carbon dots and a fluorescent tracer. New Journal of Chemistry, 2017, 41, 10880-10889.	2.8	4
56	Montmorilloniteâ€•lecithinâ€•heparin/PDMS films with enhanced mechanical and antithrombogenic properties. Polymer Composites, 2020, 41, 1979-1985.	4.6	3
57	Thermal stability and kinetics of thermal degradation of PMVS/SiO₂/GOâ€“C₁₂â€•hep composites. Journal of Applied Polymer Science, 2013, 130, 535-542.	2.6	1