

Changzhu Wu

List of Publications by Year in descending order

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57
papers

2,366
citations

172457

29
h-index

214800

47
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58
all docs

58
docs citations

58
times ranked

2864
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica-supported near-infrared carbon dots and bicarbonate nanoplatfom for triple synergistic sterilization and wound healing promotion therapy. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1308-1322.	9.4	21
2	Antibacterial fluorescent nano-sized lanthanum-doped carbon quantum dot embedded polyvinyl alcohol for accelerated wound healing. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 973-983.	9.4	28
3	A multifunctional carbon dot-based nanoplatfom for bioimaging and quaternary ammonium salt/photothermal synergistic antibacterial therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2865-2874.	5.8	18
4	Anti- μ RNA-21 Oligonucleotide Loaded Spermine-Modified Acetalated Dextran Nanoparticles for B1 Receptor-Targeted Gene Therapy and Antiangiogenesis Therapy. <i>Advanced Science</i> , 2022, 9, e2103812.	11.2	18
5	H_2O_2 Self-Supplementing and GSH-Depleting Nanoreactors Based on $\text{MoO}_3 \cdot x\text{H}_2\text{O} @ \text{Fe}_3\text{O}_4$ -GOD-PVP for Photothermally Reinforced Nanocatalytic Cancer Therapy at the Second Near-Infrared Biowindow. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6346-6357.	6.7	6
6	Aggregation-Induced Emission Nanoparticles for Single Near-Infrared Light-Triggered Photodynamic and Photothermal Antibacterial Therapy. <i>ACS Nano</i> , 2022, 16, 7961-7970.	14.6	61
7	$\text{Au} @ \text{Cu}$ Bimetallic Nanostructures for Photothermal Antibacterial and Wound Healing Promotion. <i>ACS Applied Nano Materials</i> , 2022, 5, 8621-8630.	5.0	13
8	Insight into the effect of particle size distribution differences on the antibacterial activity of carbon dots. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 505-519.	9.4	76
9	Wound healing acceleration by antibacterial biodegradable black phosphorus nanosheets loaded with cationic carbon dots. <i>Journal of Materials Science</i> , 2021, 56, 6411-6426.	3.7	27
10	A novel biodegradable injectable chitosan hydrogel for overcoming postoperative trauma and combating multiple tumors. <i>Carbohydrate Polymers</i> , 2021, 265, 118065.	10.2	32
11	Light-Activated Biodegradable Covalent Organic Framework-Integrated Heterojunction for Photodynamic, Photothermal, and Gaseous Therapy of Chronic Wound Infection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42396-42410.	8.0	59
12	$\text{MoO}_3 \cdot x$ nanosheets-based platform for single NIR laser induced efficient PDT/PTT of cancer. <i>Journal of Controlled Release</i> , 2021, 338, 46-55.	9.9	28
13	Biomedical application of graphene: From drug delivery, tumor therapy, to theranostics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110596.	5.0	141
14	Montmorillonite-chitosin-heparin/PDMS films with enhanced mechanical and antithrombogenic properties. <i>Polymer Composites</i> , 2020, 41, 1979-1985.	4.6	3
15	A theranostic nanocomposite with integrated black phosphorus nanosheet, $\text{Fe}_3\text{O}_4 @ \text{MnO}_2$ -doped upconversion nanoparticles and chlorin for simultaneous multimodal imaging, highly efficient photodynamic and photothermal therapy. <i>Chemical Engineering Journal</i> , 2020, 391, 123525.	12.7	47
16	Manganese ion chelated $\text{FeOCl} @ \text{PB} @ \text{PDA} @ \text{BPQDs}$ nanocomposites as a tumor microenvironment-mediated nanoplatfom for enhanced tumor imaging and therapy. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127491.	7.8	33
17	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. <i>Langmuir</i> , 2020, 36, 13263-13273.	3.5	30
18	Genipin cross-linked carbon dots for antimicrobial, bioimaging and bacterial discrimination. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110930.	5.0	39

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19	Hollow Porous Carbon Coated FeS ₂ -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
20	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
21	Multifunctional Nanocomposites for Targeted, Photothermal, and Chemotherapy. Chemistry of Materials, 2019, 31, 1847-1859.	6.7	57
22	Quaternized Chitosan-Coated Montmorillonite Interior Antimicrobial Metal-€Antibiotic <i>in Situ</i> Coordination Complexation for Mixed Infections of Wounds. Langmuir, 2019, 35, 15275-15286.	3.5	17
23	Ultrasmall Graphene Oxide Modified with Fe ₃ O ₄ Nanoparticles as a Fenton-Like Agent for Methylene Blue Degradation. ACS Applied Nano Materials, 2019, 2, 7074-7084.	5.0	59
24	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
25	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
26	Hyaluronic Acid-Modified Porous Carbon-Coated Fe ₃ O ₄ Nanoparticles for Magnetic Resonance Imaging-Guided Photothermal/Chemotherapy of Tumors. Langmuir, 2019, 35, 13135-13144.	3.5	54
27	Mn ²⁺ 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
28	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
29	Image-guided cancer therapy using aptamer-functionalized cross-linked magnetic-responsive Fe ₃ O ₄ @carbon nanoparticles. Analytica Chimica Acta, 2019, 1056, 108-116.	5.4	41
30	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
31	Magnetofluorescent Fe ₃ O ₄ /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
32	Anticoagulant polyurethane substrates modified with poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (phosp	5.0	23
33	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
34	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
35	Black Phosphorus Quantum Dots Gated, Carbon-€Coated Fe ₃ O ₄ Nanocapsules (BPQDs@ss-Fe ₃ O ₄ @C) with Low Premature Release Could Enable Imaging-€Guided Cancer Combination Therapy. Chemistry - A European Journal, 2018, 24, 12890-12901.	3.3	47
36	Near-infrared light-mediated photodynamic/photothermal therapy nanoplatform by the assembly of Fe₃_O₄; carbon dots with graphitic black phosphorus quantum dots. International Journal of Nanomedicine, 2018, Volume 13, 2803-2819.	6.7	53

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37	Dehydration Study of Piracetam Co-Crystal Hydrates. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2804-2809.	3.3	8
38	Study on montmorilloniteâ€“chlorhexidine acetateâ€“terbinafine hydrochloride intercalation composites as drug release systems. <i>RSC Advances</i> , 2018, 8, 21369-21377.	3.6	13
39	Graphene oxide and adenosine triphosphate as a source for functionalized carbon dots with applications in pH-triggered drug delivery and cell imaging. <i>RSC Advances</i> , 2017, 7, 9284-9293.	3.6	25
40	pH-Sensitive N-doped carbon dotsâ€“heparin and doxorubicin drug delivery system: preparation and anticancer research. <i>RSC Advances</i> , 2017, 7, 9347-9356.	3.6	62
41	Near-infrared light triggered photo-therapy, in combination with chemotherapy using magnetofluorescent carbon quantum dots for effective cancer treating. <i>Carbon</i> , 2017, 118, 752-764.	10.3	123
42	A hydrothermal route to multicolor luminescent carbon dots from adenosine disodium triphosphate for bioimaging. <i>Materials Science and Engineering C</i> , 2017, 76, 1146-1153.	7.3	49
43	Preparation of fluorescent N,P-doped carbon dots derived from adenosine 5â€“monophosphate for use in multicolor bioimaging of adenocarcinomic human alveolar basal epithelial cells. <i>Mikrochimica Acta</i> , 2017, 184, 699-706.	5.0	27
44	N-Doped CDsâ€“GP nanospheres as a drug delivery nanocarrier system with carbon dots and a fluorescent tracer. <i>New Journal of Chemistry</i> , 2017, 41, 10880-10889.	2.8	4
45	Magnetic and fluorescent carbon nanotubes for dual modal imaging and photothermal and chemo-therapy of cancer cells in living mice. <i>Carbon</i> , 2017, 123, 70-83.	10.3	121
46	Magnetofluorescent photothermal micelles packaged with GdN@CQDs as photothermal and chemical dual-modal therapeutic agents. <i>Chemical Engineering Journal</i> , 2017, 330, 442-452.	12.7	35
47	Synthesis of lanthanum doped carbon dots for detection of mercury ion, multi-color imaging of cells and tissue, and bacteriostasis. <i>Chemical Engineering Journal</i> , 2017, 330, 1137-1147.	12.7	87
48	Carboxylated graphene oxide functionalized with β -cyclodextrinâ€“Engineering of a novel nanohybrid drug carrier. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 117-122.	7.5	26
49	Hydroxypropyl- β -cyclodextrinâ€“graphene oxide conjugates: Carriers for anti-cancer drugs. <i>Materials Science and Engineering C</i> , 2016, 61, 681-687.	7.3	49
50	Long-term and controlled release of chlorhexidineâ€“copper(II) from organically modified montmorillonite (OMMT) nanocomposites. <i>Materials Science and Engineering C</i> , 2013, 33, 752-757.	7.3	28
51	Synthesis and characterization of poly(2â€“methacryloyloxyethyl phosphorylcholine) onto graphene oxide. <i>Polymers for Advanced Technologies</i> , 2013, 24, 685-691.	3.2	9
52	Antibacterial and anticoagulation properties of polyethylene/geneOâ€“MPC nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 129, 884-891.	2.6	11
53	Thermal stability and kinetics of thermal degradation of PMVS/SiO ₂ /GOâ€“C ₁₂ â€“hep composites. <i>Journal of Applied Polymer Science</i> , 2013, 130, 535-542.	2.6	1
54	Antibacterial and anticoagulation properties of carboxylated graphene oxideâ€“lanthanum complexes. <i>Journal of Materials Chemistry</i> , 2012, 22, 1673-1678.	6.7	55

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55	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
56	Surface-initiated reverse atom transfer radical polymerization (SI-RATRP) for blood-compatible polyurethane substrates. Applied Surface Science, 2011, 258, 618-626.	6.1	25
57	Study on crystallization kinetics of LDPE filled with CaCO ₃ of different size and size distribution. Journal of Applied Polymer Science, 2011, 120, 3490-3500.	2.6	5