

# Wenfei Dong

## List of Publications by Year in descending order

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79  
papers

4,336  
citations

109321

35  
h-index

110387

64  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver Mesoporous Silica Nanoparticles: Fabrication to Combination Therapies for Cancer and Infection. <i>Chemical Record</i> , 2022, , e202100287.	5.8	4
2	A Yellow Fluorescence Probe for the Detection of Oxidized Glutathione and Biological Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 17119-17127.	8.0	23
3	Formation mechanism of carbon dots: From chemical structures to fluorescent behaviors. <i>Carbon</i> , 2022, 194, 42-51.	10.3	63
4	F-doped silicon quantum dots as a novel fluorescence nanosensor for quantitative detection of new coccine and application in food samples. <i>Microchemical Journal</i> , 2022, 179, 107453.	4.5	10
5	Ultra-bright carbon quantum dots for rapid cell staining. <i>Analyst, The</i> , 2022, 147, 2558-2566.	3.5	10
6	Green Synthesis of Phosphorescent Carbon Dots for Anticounterfeiting and Information Encryption. <i>Sensors</i> , 2022, 22, 2944.	3.8	11
7	Riboflavin-based carbon dots with high singlet oxygen generation for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7972-7978.	5.8	34
8	Iron and nitrogen-co-doped carbon quantum dots for the sensitive and selective detection of hematin and ferric ions and cell imaging. <i>Analyst, The</i> , 2021, 146, 4954-4963.	3.5	23
9	Chitosan-based carbon nanoparticles as a heavy metal indicator and for wastewater treatment. <i>RSC Advances</i> , 2021, 11, 12015-12021.	3.6	14
10	Simultaneous Recognition of Dopamine and Uric Acid in the Presence of Ascorbic Acid via an Intercalated MXene/PPy Nanocomposite. <i>Sensors</i> , 2021, 21, 3069.	3.8	22
11	Coordination and Redox Dual-Responsive Mesoporous Organosilica Nanoparticles Amplify Immunogenic Cell Death for Cancer Chemoimmunotherapy. <i>Small</i> , 2021, 17, e2100006.	10.0	40
12	Yttrium-mediated red fluorescent carbon dots for sensitive and selective detection of calcium ions. <i>Luminescence</i> , 2021, 36, 1969-1976.	2.9	8
13	Janus metallic mesoporous silica nanoparticles: Unique structures for cancer theranostics. <i>Current Opinion in Biomedical Engineering</i> , 2021, 19, 100294.	3.4	8
14	One-Step Synthesis of Green Fluorescent Carbon Dots for Chloride Detecting and for Bioimaging. <i>Frontiers in Chemistry</i> , 2021, 9, 718856.	3.6	5
15	Cyan-emitting silicon quantum dots as a fluorescent probe directly used for highly sensitive and selective detection of chlorogenic acid. <i>Talanta</i> , 2021, 233, 122465.	5.5	12
16	One-pot facile synthesis of yellow-green emission carbon dots for rapid and efficient determination of progesterone. <i>Applied Surface Science</i> , 2021, 566, 150686.	6.1	18
17	Specific recognition and photothermal release of circulating tumor cells using near-infrared light-responsive 2D MXene nanosheets@hydrogel membranes. <i>Talanta</i> , 2021, 235, 122770.	5.5	17
18	Superior reducing carbon dots from proanthocyanidin for free-radical scavenging and for cell imaging. <i>Analyst, The</i> , 2021, 146, 2330-2338.	3.5	6

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19	Starch-Based Carbon Dots for Nitrite and Sulfite Detection. <i>Frontiers in Chemistry</i> , 2021, 9, 782238.	3.6	3
20	A novel fluorescence assay for the discriminative detection of Cu(II) and cysteine based on red-emissive Si-CDs and cellular imaging applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 919-927.	5.8	34
21	Coating biomimetic nanoparticles with chimeric antigen receptor T cell-membrane provides high specificity for hepatocellular carcinoma photothermal therapy treatment. <i>Theranostics</i> , 2020, 10, 1281-1295.	10.0	138
22	One-pot synthesis of chlorhexidine-templated biodegradable mesoporous organosilica nanoantiseptics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110653.	5.0	9
23	Green Synthesis of Lutein-Based Carbon Dots Applied for Free-Radical Scavenging within Cells. <i>Materials</i> , 2020, 13, 4146.	2.9	12
24	Cancer leukocyte hybrid membrane-cloaked magnetic beads for the ultrasensitive isolation, purification, and non-destructive release of circulating tumor cells. <i>Nanoscale</i> , 2020, 12, 19121-19128.	5.6	30
25	Biomimetic Diselenide-Bridged Mesoporous Organosilica Nanoparticles as an X-Ray-Responsive Biodegradable Carrier for Chemo-Immunotherapy. <i>Advanced Materials</i> , 2020, 32, e2004385.	21.0	122
26	Biomimetic immunomagnetic gold hybrid nanoparticles coupled with inductively coupled plasma mass spectrometry for the detection of circulating tumor cells. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5019-5025.	5.8	22
27	One-step synthesis of green emission carbon dots for selective and sensitive detection of nitrite ions and cellular imaging application. <i>RSC Advances</i> , 2020, 10, 10067-10075.	3.6	11
28	Tannic Acid-Assisted Synthesis of Biodegradable and Antibacterial Mesoporous Organosilica Nanoparticles Decorated with Nanosilver. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1695-1702.	6.7	31
29	High photoluminescence nitrogen, phosphorus co-doped carbon nanodots for assessment of microbial viability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 110987.	5.0	13
30	Platelet membrane-coated nanoparticles for targeted drug delivery and local chemo-photothermal therapy of orthotopic hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4648-4659.	5.8	56
31	An Unobtrusive and Calibration-free Blood Pressure Estimation Method using Photoplethysmography and Biometrics. <i>Scientific Reports</i> , 2019, 9, 8611.	3.3	62
32	Janus Nanobullets Combine Photodynamic Therapy and Magnetic Hyperthermia to Potentiate Synergetic Anti-Metastatic Immunotherapy. <i>Advanced Science</i> , 2019, 6, 1901690.	11.2	169
33	Two-Step Hydrothermal Preparation of Carbon Dots for Calcium Ion Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44566-44572.	8.0	118
34	Janus Gold Triangle-Mesoporous Silica Nanoplatfoms for Hypoxia-Activated Radio-Chemo-Photothermal Therapy of Liver Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34755-34765.	8.0	68
35	Janus nanocarrier-based co-delivery of doxorubicin and berberine weakens chemotherapy-exacerbated hepatocellular carcinoma recurrence. <i>Acta Biomaterialia</i> , 2019, 100, 352-364.	8.3	44
36	&lt;p&gt;Berberine-loaded Janus gold mesoporous silica nanocarriers for chemo/radio/photothermal therapy of liver cancer and radiation-induced injury inhibition&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3967-3982.	6.7	34

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37	Sensitivity-enhanced uncooled infrared detector based on a Lamb wave sensor with polydopamine coating. <i>Applied Physics Letters</i> , 2019, 114, 183505.	3.3	2
38	Cancer Cell Membrane Camouflaged Nanoparticles to Realize Starvation Therapy Together with Checkpoint Blockades for Enhancing Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 2849-2857.	14.6	253
39	Expression profile and potential functional differentiation of the Speedy/RINGO family in mice. <i>Gene</i> , 2019, 683, 80-86.	2.2	1
40	Shape Engineering Boosts Magnetic Mesoporous Silica Nanoparticle-Based Isolation and Detection of Circulating Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10656-10663.	8.0	53
41	A comparison of mesoporous silica nanoparticles and mesoporous organosilica nanoparticles as drug vehicles for cancer therapy. <i>Chemical Biology and Drug Design</i> , 2018, 92, 1435-1444.	3.2	29
42	One-step synthesis of nitrogen, sulfur co-doped carbon nanodots and application for Fe <sup>3+</sup> detection. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3549-3554.	5.8	24
43	Fluorescent-magnetic Janus nanorods for selective capture and rapid identification of foodborne bacteria. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 1004-1011.	7.8	24
44	A strong green fluorescent nanoprobe for highly sensitive and selective detection of nitrite ions based on phosphorus and nitrogen co-doped carbon quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 555-561.	7.8	60
45	Electrochemical Determination of Ca <sup>2+</sup> Based On Recycling Formation of Highly Selective DNAzyme and Gold Nanoparticle-Mediated Amplification. <i>Bioconjugate Chemistry</i> , 2018, 29, 1021-1024.	3.6	23
46	Theoretical Study on the Photoinduced Electron Transfer Mechanisms of Different Peroxynitrite Probes. <i>Journal of Physical Chemistry A</i> , 2018, 122, 217-223.	2.5	8
47	Shape-controlled magnetic mesoporous silica nanoparticles for magnetically-mediated suicide gene therapy of hepatocellular carcinoma. <i>Biomaterials</i> , 2018, 154, 147-157.	11.4	127
48	Cancer cell membrane-modified biodegradable mesoporous silica nanocarriers for berberine therapy of liver cancer. <i>RSC Advances</i> , 2018, 8, 40288-40297.	3.6	38
49	Redox/pH dual-controlled release of chlorhexidine and silver ions from biodegradable mesoporous silica nanoparticles against oral biofilms. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7697-7709.	6.7	66
50	Antibacterial and biodegradable tissue nano-adhesives for rapid wound closure. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 5849-5863.	6.7	43
51	Janus nanocarriers for magnetically targeted and hyperthermia-enhanced curcumin therapy of liver cancer. <i>RSC Advances</i> , 2018, 8, 30448-30454.	3.6	19
52	Bioinspired Diselenide-Bridged Mesoporous Silica Nanoparticles for Dual-Responsive Protein Delivery. <i>Advanced Materials</i> , 2018, 30, e1801198.	21.0	234
53	A PCR-free voltammetric telomerase activity assay using a substrate primer on a gold electrode and DNA-triggered capture of gold nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 398.	5.0	17
54	The Overall Release of Circulating Tumor Cells by Using Temperature Control and Matrix Metalloproteinase-9 Enzyme on Gelatin Film. <i>ACS Applied Bio Materials</i> , 2018, 1, 910-916.	4.6	8

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55	Surface Functionalization of Polymeric Nanoparticles with Umbilical Cord-Derived Mesenchymal Stem Cell Membrane for Tumor-Targeted Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22963-22973.	8.0	110
56	Magnetic Janus nanorods for efficient capture, separation and elimination of bacteria. <i>RSC Advances</i> , 2017, 7, 3550-3553.	3.6	20
57	Microfluidic Electroporation-Facilitated Synthesis of Erythrocyte Membrane-Coated Magnetic Nanoparticles for Enhanced Imaging-Guided Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 3496-3505.	14.6	377
58	Janus silver mesoporous silica nanobullets with synergistic antibacterial functions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 199-206.	5.0	43
59	Janus Silver/Silica Nanoplatfoms for Light-Activated Liver Cancer Chemo/Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30306-30317.	8.0	80
60	Janus Gold Nanoplatfom for Synergetic Chemoradiotherapy and Computed Tomography Imaging of Hepatocellular Carcinoma. <i>ACS Nano</i> , 2017, 11, 12732-12741.	14.6	136
61	The influence of polyanion molecular weight on polyelectrolyte multilayers at surfaces: elasticity and susceptibility to saloplasticity of strongly dissociated synthetic polymers at fluid-fluid interfaces. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23781-23789.	2.8	15
62	The shape effect of magnetic mesoporous silica nanoparticles on endocytosis, biocompatibility and biodistribution. <i>Acta Biomaterialia</i> , 2017, 49, 531-540.	8.3	111
63	Berberine-loaded Janus nanocarriers for magnetic field-enhanced therapy against hepatocellular carcinoma. <i>Chemical Biology and Drug Design</i> , 2017, 89, 464-469.	3.2	46
64	Core-Shell Magnetic Gold Nanoparticles for Magnetic Field-Enhanced Radio-Photothermal Therapy in Cervical Cancer. <i>Nanomaterials</i> , 2017, 7, 111.	4.1	57
65	Synergistic bactericidal activity of chlorhexidine-loaded, silver-decorated mesoporous silica nanoparticles. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3577-3589.	6.7	58
66	Janus Au-mesoporous silica nanocarriers for chemo-photothermal treatment of liver cancer cells. <i>RSC Advances</i> , 2016, 6, 44498-44505.	3.6	29
67	Short-range dynamic gain control for laser radar. , 2016, , .		0
68	Janus "nano-bullets" for magnetic targeting liver cancer chemotherapy. <i>Biomaterials</i> , 2016, 100, 118-133.	11.4	137
69	Janus Silver-Mesoporous Silica Nanocarriers for SERS Traceable and pH-Sensitive Drug Delivery in Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4303-4308.	8.0	106
70	Gold nanorods-silica Janus nanoparticles for theranostics. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	33
71	Facile Synthesis of Core-shell Magnetic Mesoporous Silica Nanoparticles for pH-sensitive Anticancer Drug Delivery. <i>Chemical Biology and Drug Design</i> , 2015, 86, 1548-1553.	3.2	34
72	Label-free detection of biotin using nanoporous TiO <sub>2</sub> /DNA thin-film coated wavelength interrogated surface plasmon resonance sensors. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 157-162.	2.6	5

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73	Controlled Cavitation at Nano/Microparticle Surfaces. Chemistry of Materials, 2014, 26, 2244-2248.	6.7	67
74	Stable ZnO@TiO <sub>2</sub> core/shell nanorod arrays with exposed high energy facets for self-cleaning coatings with anti-reflective properties. Journal of Materials Chemistry A, 2014, 2, 7313-7318.	10.3	63
75	Multifunctional superparamagnetic iron oxide nanoparticles: design, synthesis and biomedical photonic applications. Nanoscale, 2013, 5, 7664.	5.6	196
76	Magnetic-mesoporous Janus nanoparticles. Chemical Communications, 2011, 47, 1225-1227.	4.1	115
77	Ultrathin Free-Standing Polyelectrolyte Nanocomposites: A Novel Method for Preparation and Characterization of Assembly Dynamics. Journal of Physical Chemistry B, 2005, 109, 14764-14768.	2.6	37
78	Influence of Shell Structure on Stability, Integrity, and Mesh Size of Polyelectrolyte Capsules: A Mechanism and Strategy for Improved Preparation. Chemistry of Materials, 2005, 17, 2603-2611.	6.7	76
79	Enhanced Raman imaging and optical spectra of gold nanoparticle doped microcapsules. Physical Chemistry Chemical Physics, 2003, 5, 3003-3012.	2.8	52