

# Xing-Can Shen

## List of Publications by Year in descending order

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65  
papers

2,419  
citations

172207

29  
h-index

205818

48  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3470  
citing authors

#	ARTICLE	IF	CITATIONS
1	A General Approach to Design Dual Ratiometric Fluorescent and Photoacoustic Probes for Quantitatively Visualizing Tumor Hypoxia Levels In vivo. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	70
2	A General Approach to Design Dual Ratiometric Fluorescent and Photoacoustic Probes for Quantitatively Visualizing Tumor Hypoxia Levels In vivo. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	12
3	Highly selective CO <sub>2</sub> capture and photoreduction over porous carbon nitride foams/LDH monolith. <i>Chemical Engineering Journal</i> , 2022, 429, 132284.	6.6	30
4	The precise anti-tumor effect of a metallopolysaccharide-based nanotheranostic: turning phototherapy into programmed chemotherapy. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1869-1878.	3.0	6
5	Rational engineering of biomimetic flavylum fluorophores for regulating the lysosomal and mitochondrial localization behavior by pH-induced structure switch and application to fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3841-3848.	2.9	5
6	Monte Carlo Simulation of Surface-Initiated Polymerization: Heterogeneous Reaction Environment. <i>Macromolecules</i> , 2022, 55, 1970-1980.	2.2	8
7	Metallopolysaccharide-Based Smart Nanotheranostic for Imaging-Guided Precise Phototherapy and Sequential Enzyme-Activated Ferroptosis. <i>Biomacromolecules</i> , 2022, 23, 2007-2018.	2.6	9
8	NIR-II-Responsive CeO <sub>2</sub> @HA Nanotheranostics for Photoacoustic Imaging-Guided Sonodynamic-Enhanced Synergistic Phototherapy. <i>Langmuir</i> , 2022, 38, 5502-5514.	1.6	13
9	NIR-II-responsive AuNRs@SiO <sub>2</sub> @RB@MnO <sub>2</sub> nanotheranostic for multimodal imaging-guided CDT/PTT synergistic cancer therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4274-4284.	2.9	13
10	Full-spectrum responsive WO <sub>3</sub> @HA nanotheranostics for NIR-II photoacoustic imaging-guided PTT/PDT/CDT synergistic therapy. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 636-646.	3.0	40
11	Stimuli-Responsive Nanomaterials for Smart Tumor-Specific Phototherapeutics. <i>ChemMedChem</i> , 2021, 16, 919-931.	1.6	3
12	A full-spectrum responsive B-TiO <sub>2</sub> @SiO <sub>2</sub> @HA nanotheranostic system for NIR-II photoacoustic imaging-guided cancer phototherapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2042-2053.	2.9	15
13	Mechanisms of Reactive Oxygen Species Generated by Inorganic Nanomaterials for Cancer Therapeutics. <i>Frontiers in Chemistry</i> , 2021, 9, 630969.	1.8	20
14	The branching angle effect on the properties of rigid dendrimers studied by Monte Carlo simulation. <i>Journal of Molecular Modeling</i> , 2021, 27, 144.	0.8	2
15	Black SnO <sub>2</sub> based nanotheranostic for imaging-guided photodynamic/photothermal synergistic therapy in the second near-infrared window. <i>Acta Biomaterialia</i> , 2021, 129, 220-234.	4.1	16
16	A simple strategy for simultaneously enhancing photostability and mitochondrial-targeting stability of near-infrared fluorophores for multimodal imaging-guided photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1089-1095.	2.9	18
17	Lysosome-Targeted Gold Nanotheranostics for In Situ SERS Monitoring pH and Multimodal Imaging-Guided Phototherapy. <i>Langmuir</i> , 2021, 37, 569-577.	1.6	15
18	g-C <sub>3</sub> N <sub>4</sub> /CoNiFe-LDH Z-scheme heterojunction for efficient CO <sub>2</sub> photoreduction and MB dye photodegradation. <i>Catalysis Science and Technology</i> , 2021, 11, 7727-7739.	2.1	25

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19	Photoimmunotherapy: Artificial Metalloprotein Nanoanalogues: In Situ Catalytic Production of Oxygen to Enhance Photoimmunotherapeutic Inhibition of Primary and Abscopal Tumor Growth (Small 46/2020). <i>Small</i> , 2020, 16, 2070254.	5.2	0
20	Multiplexed Graphene Quantum Dots with Excitation-Wavelength-Independent Photoluminescence, as Two-Photon Probes, and in Ultravioletâ€“Near Infrared Bioimaging. <i>ACS Nano</i> , 2020, 14, 11502-11509.	7.3	42
21	Natural Polyphenolâ€“Vanadium Oxide Nanozymes for Synergistic Chemodynamic/Photothermal Therapy. <i>Chemistry - A European Journal</i> , 2020, 26, 15159-15169.	1.7	45
22	A Full Solar Light Spectrum Responsive B@ZrO <sub>2</sub> â€“OV Photocatalyst: A Synergistic Strategy for Visible-to-NIR Photon Harvesting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13039-13047.	3.2	21
23	Full-spectrum responsive ZrO <sub>2</sub> -based phototheranostic agent for NIR-II photoacoustic imaging-guided cancer phototherapy. <i>Biomaterials Science</i> , 2020, 8, 6515-6525.	2.6	14
24	Artificial Metalloprotein Nanoanalogues: In Situ Catalytic Production of Oxygen to Enhance Photoimmunotherapeutic Inhibition of Primary and Abscopal Tumor Growth. <i>Small</i> , 2020, 16, e2004345.	5.2	17
25	An injectable thermosensitive photothermal-network hydrogel for near-infrared-triggered drug delivery and synergistic photothermal-chemotherapy. <i>Acta Biomaterialia</i> , 2019, 96, 281-294.	4.1	64
26	A chloroplast-inspired nanoplatform for targeting cancer and synergistic photodynamic/photothermal therapy. <i>Biomaterials Science</i> , 2019, 7, 3886-3897.	2.6	14
27	Highly Sensitive Detection of Dopamine at Ionic Liquid Functionalized RGO/ZIF-8 Nanocomposite-Modified Electrode. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-9.	1.5	8
28	Hypericin-Loaded Carbon Nanohorn Hybrid for Combined Photodynamic and Photothermal Therapy in Vivo. <i>Langmuir</i> , 2019, 35, 8228-8237.	1.6	17
29	Frontispiece: Recent Advances in Carbon Nanomaterials for Cancer Phototherapy. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0
30	A chromenoquinoline-based two-photon fluorescent probe for the highly specific and fast visualization of sulfur dioxide derivatives in living cells and zebrafish. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2493-2498.	2.9	36
31	Constructing a far-red to near-infrared fluorescent probe for highly specific detection of cysteine and its bioimaging applications in living cells and zebrafish. <i>New Journal of Chemistry</i> , 2019, 43, 6696-6701.	1.4	11
32	NIR-II light-modulated thermosensitive hydrogel for light-triggered cisplatin release and repeatable chemo-photothermal therapy. <i>Chemical Science</i> , 2019, 10, 4699-4706.	3.7	90
33	Receptor-Mediated and Tumor-Microenvironment Combination-Responsive Ru Nanoaggregates for Enhanced Cancer Phototheranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17294-17305.	4.0	53
34	Recent insights into near-infrared light-responsive carbon dots for bioimaging and cancer phototherapy. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1116-1128.	3.0	76
35	A near infrared-modulated thermosensitive hydrogel for stabilization of indocyanine green and combinatorial anticancer phototherapy. <i>Biomaterials Science</i> , 2019, 7, 1705-1715.	2.6	43
36	The Persistence Length of Semiflexible Polymers in Lattice Monte Carlo Simulations. <i>Polymers</i> , 2019, 11, 295.	2.0	27

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37	Recent Advances in Carbon Nanomaterials for Cancer Phototherapy. <i>Chemistry - A European Journal</i> , 2019, 25, 3993-4004.	1.7	112
38	Phycocyanin functionalized single-walled carbon nanohorns hybrid for near-infrared light-mediated cancer phototheranostics. <i>Carbon</i> , 2019, 143, 814-827.	5.4	34
39	Diiron Hexacarbonyl Complex Induces Site-Specific Release of Carbon Monoxide in Cancer Cells Triggered by Endogenous Glutathione. <i>ACS Omega</i> , 2018, 3, 2683-2689.	1.6	23
40	White-emitting carbon dots with long alkyl-chain structure: Effective inhibition of aggregation caused quenching effect for label-free imaging of latent fingerprint. <i>Carbon</i> , 2018, 128, 12-20.	5.4	109
41	A novel strategy of transition-metal doping to engineer absorption of carbon dots for near-infrared photothermal/photodynamic therapies. <i>Carbon</i> , 2018, 134, 519-530.	5.4	119
42	Combination-Responsive MoO <sub>3</sub> -Hybridized Hyaluronic Acid Hollow Nanospheres for Cancer Phototheranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42088-42101.	4.0	41
43	Multifunctional hyaluronic acid-derived carbon dots for self-targeted imaging-guided photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6534-6543.	2.9	51
44	Near-Infrared Light Responsive Imaging-Guided Photothermal and Photodynamic Synergistic Therapy Nanoplatfrom Based on Carbon Nanohorns for Efficient Cancer Treatment. <i>Chemistry - A European Journal</i> , 2018, 24, 12827-12837.	1.7	44
45	Water-Dispersible Prussian Blue Hyaluronic Acid Nanocubes with Near-Infrared Photoinduced Singlet Oxygen Production and Photothermal Activities for Cancer Theranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18036-18049.	4.0	64
46	Near-Infrared Light Responsive Imaging-Guided Photothermal and Photodynamic Synergistic Therapy Nanoplatfrom Based on Carbon Nanohorns for Efficient Cancer Treatment. <i>Chemistry - A European Journal</i> , 2018, 24, 12738-12738.	1.7	1
47	Supercharged fluorescent protein functionalized water-soluble poly( <i>N</i> -phenylglycine) nanoparticles for highly effective imaging-guided photothermal therapy. <i>Chemical Communications</i> , 2018, 54, 10292-10295.	2.2	14
48	Synthesis of white-light-emitting graphene quantum dots via a one-step reduction and their interfacial characteristics-dependent luminescence properties. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 712-718.	3.0	41
49	Poly( <i>N</i> -phenylglycine)-Based Nanoparticles as Highly Effective and Targeted Near-Infrared Photothermal Therapy/Photodynamic Therapeutic Agents for Malignant Melanoma. <i>Small</i> , 2017, 13, 1602496.	5.2	88
50	Design, synthesis, and biological evaluation of novel quinazolinyl-diaryl urea derivatives as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 107, 12-25.	2.6	52
51	One-Step Fabrication of a Multifunctional Aggregation-Induced Emission Nanoaggregate for Targeted Cell Imaging and Enzyme-Triggered Cancer Chemotherapy. <i>ACS Macro Letters</i> , 2016, 5, 450-454.	2.3	28
52	Selective Probing of Gaseous Ammonia Using Red-Emitting Carbon Dots Based on an Interfacial Response Mechanism. <i>Chemistry - A European Journal</i> , 2015, 21, 18993-18999.	1.7	56
53	Synthesis, Fluorescence Properties, and Antiproliferative Potential of Several 3-Oxo-3H-benzo[ <i>f</i> ]chromene-2-carboxylic Acid Derivatives. <i>Molecules</i> , 2015, 20, 18565-18584.	1.7	7
54	Water-soluble hyaluronic acid-hybridized polyaniline nanoparticles for effectively targeted photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3767-3776.	2.9	101

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55	One-Step Preparation of a Water-Soluble Carbon Nanohorn/Phthalocyanine Hybrid for Dual-Modality Photothermal and Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18008-18017.	4.0	93
56	Graphene loading water-soluble phthalocyanine for dual-modality photothermal/photodynamic therapy via a one-step method. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7141-7148.	2.9	70
57	Phosphine-free synthesis of ZnSe:Mn and ZnSe:Mn/ZnS doped quantum dots using new Se and S precursors. <i>New Journal of Chemistry</i> , 2014, 38, 448-454.	1.4	15
58	Silk fibroin-based scaffolds for tissue engineering. <i>Frontiers of Materials Science</i> , 2013, 7, 237-247.	1.1	61
59	Calcium carbonate crystallization controlled by functional groups: A mini-review. <i>Frontiers of Materials Science</i> , 2013, 7, 62-68.	1.1	23
60	Combined effect of ion concentration and functional groups on surface chemistry modulated CaCO <sub>3</sub> crystallization. <i>CrystEngComm</i> , 2012, 14, 6647.	1.3	33
61	Evolution of calcium phosphate crystallization on three functional group surfaces with the same surface density. <i>CrystEngComm</i> , 2012, 14, 6695.	1.3	19
62	Polymer-directed assembly of water-soluble realgar nanocomposites for antimicrobial applications. <i>Frontiers of Materials Science in China</i> , 2010, 4, 339-344.	0.5	10
63	Interactions between neural stem cells and biomaterials combined with biomolecules. <i>Frontiers of Materials Science in China</i> , 2010, 4, 325-331.	0.5	1
64	Spectroscopic studies on the interaction between human hemoglobin and CdS quantum dots. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 400-406.	5.0	172
65	Determination of 6-mercaptopurine based on the fluorescence enhancement of Au nanoparticles. <i>Talanta</i> , 2006, 69, 456-462.	2.9	37