

# Reactive Oxygen Species (ROS)-Based Nanomedicine

Chemical Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Metal Speciesâ€œEncapsulated Mesoporous Silica Nanoparticles: Current Advancements and Latest Breakthroughs. <i>Advanced Functional Materials</i> , 2019, 29, 1902652.	7.8	104
2	Innovative Linker Strategies for Tumorâ€œTargeted Drug Conjugates. <i>Chemistry - A European Journal</i> , 2019, 25, 14740-14757.	1.7	68
3	Activatable Hybrid Polyphosphazene-AuNP Nanoprobe for ROS Detection by Bimodal PA/CT Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28648-28656.	4.0	45
4	Nanocatalytic Medicine. <i>Advanced Materials</i> , 2019, 31, e1901778.	11.1	396
5	Fabrication of H <sub>2</sub> O <sub>2</sub> -driven nanoreactors for innovative cancer treatments. <i>Nanoscale</i> , 2019, 11, 16164-16186.	2.8	46
6	The Chemistry of Boronic Acids in Nanomaterials for Drug Delivery. <i>Accounts of Chemical Research</i> , 2019, 52, 3108-3119.	7.6	135
7	Proline Isomerization-Regulated Tumor Microenvironment-Adaptable Self-Assembly of Peptides for Enhanced Therapeutic Efficacy. <i>Nano Letters</i> , 2019, 19, 7965-7976.	4.5	78
8	Ultrasonic Activation of Water-Soluble Au <sub>25</sub> (SR) <sub>18</sub> Nanoclusters for Singlet Oxygen Production. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26644-26652.	1.5	26
9	Novel Thioacetal-Bridged Hollow Mesoporous Organosilica Nanoparticles with ROS-Responsive Biodegradability for Smart Drug Delivery. <i>Nano</i> , 2019, 14, 1950141.	0.5	3
10	Selfâ€œSupply of O <sub>2</sub> and H <sub>2</sub> O <sub>2</sub> by a Nanocatalytic Medicine to Enhance Combined Chemo/Chemodynamic Therapy. <i>Advanced Science</i> , 2019, 6, 1902137.	5.6	257
11	Facile Construction of Microgel based Biomimetic Glutathione Peroxidase with Temperature Responsive Catalytic Activity. <i>ChemistrySelect</i> , 2019, 4, 12143-12150.	0.7	2
12	Chiral Coreâ€œShell Upconversion Nanoparticle@MOF Nanoassemblies for Quantification and Bioimaging of Reactive Oxygen Species <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 19373-19378.	6.6	139
13	Synergistic Chemical and Photodynamic Antimicrobial Therapy for Enhanced Wound Healing Mediated by Multifunctional Light-Responsive Nanoparticles. <i>Biomacromolecules</i> , 2019, 20, 4581-4592.	2.6	104
14	2020 Roadmap on two-dimensional nanomaterials for environmental catalysis. <i>Chinese Chemical Letters</i> , 2019, 30, 2065-2088.	4.8	90
15	Concise Synthesis of Openâ€œCage Fullerenes for Oxygen Delivery. <i>Angewandte Chemie</i> , 2019, 131, 17854-17858.	1.6	12
16	Concise Synthesis of Openâ€œCage Fullerenes for Oxygen Delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17690-17694.	7.2	31
17	Catalytically Selective Chemotherapy from Tumorâ€œMetabolic Generated Lactic Acid. <i>Small</i> , 2019, 15, e1903746.	5.2	59
18	NIRâ€œLaserâ€œControlled Hydrogenâ€œReleasing PdH Nanohydride for Synergistic Hydrogenâ€œPhotothermal Antibacterial and Woundâ€œHealing Therapies. <i>Advanced Functional Materials</i> , 2019, 29, 1905697.	7.8	141

#	ARTICLE	IF	CITATIONS
19	Modeling the Kinetic Behavior of Reactive Oxygen Species with Cerium Dioxide Nanoparticles. <i>Biomolecules</i> , 2019, 9, 447.	1.8	15
20	Prussian blue analogue nanoenzymes mitigate oxidative stress and boost bio-fermentation. <i>Nanoscale</i> , 2019, 11, 19497-19505.	2.8	22
21	Nanozyme-Based Bandage with Single-Atom Catalysis for Brain Trauma. <i>ACS Nano</i> , 2019, 13, 11552-11560.	7.3	193
22	Selenoxide elimination manipulate the oxidative stress to improve the antitumor efficacy. <i>Biomaterials</i> , 2019, 225, 119514.	5.7	30
23	Recent Advances on Reactive Oxygen Species-Responsive Delivery and Diagnosis System. <i>Biomacromolecules</i> , 2019, 20, 2441-2463.	2.6	165
24	A hyaluronidase/ATP tandem stimuli-responsive supramolecular assembly. <i>Chemical Communications</i> , 2019, 55, 14387-14390.	2.2	13
25	Recent progress in the augmentation of reactive species with nanoplatfoms for cancer therapy. <i>Nanoscale</i> , 2019, 11, 19658-19683.	2.8	90
26	Ultraeffective Cancer Therapy with an Antimonene-Based X-Ray Radiosensitizer. <i>Advanced Functional Materials</i> , 2020, 30, 1906010.	7.8	57
27	Inorganic nanoparticles with enzyme-mimetic activities for biomedical applications. <i>Coordination Chemistry Reviews</i> , 2020, 403, 213092.	9.5	110
28	Manganese-Based Functional Nanoplatfoms: Nanosynthetic Construction, Physiochemical Property, and Theranostic Applicability. <i>Advanced Functional Materials</i> , 2020, 30, 1907066.	7.8	95
29	Mitochondrial dysfunction, autophagy stimulation and non-apoptotic cell death caused by nitric oxide-inducing Pt-coated Au nanoparticle in human lung carcinoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129452.	1.1	17
30	Unsaturation-Dependent Nanostructures Self-Assembled from Oligopeptide Amphiphiles Capable of Generating Singlet Oxygen. <i>ChemNanoMat</i> , 2020, 6, 124-131.	1.5	4
31	Photoactive Nanocarriers for Controlled Delivery. <i>Advanced Functional Materials</i> , 2020, 30, 1903896.	7.8	38
32	Construction of carrier-free porphyrin-based drug self-framed delivery system to reverse multidrug resistance through photodynamic-chemotherapy. <i>Dyes and Pigments</i> , 2020, 177, 107922.	2.0	12
33	Catalytic chemistry of iron-free Fenton nanocatalysts for versatile radical nanotherapeutics. <i>Materials Horizons</i> , 2020, 7, 317-337.	6.4	71
34	Photo/electrocatalysis and photosensitization using metal nanoclusters for green energy and medical applications. <i>Nanoscale Advances</i> , 2020, 2, 17-36.	2.2	79
35	ROS self-generation and hypoxia self-enhanced biodegradable magnetic nanotheranostics for targeted tumor therapy. <i>Nanoscale Horizons</i> , 2020, 5, 350-358.	4.1	20
36	<i>In vivo</i> therapeutic response monitoring by a self-reporting upconverting covalent organic framework nanoplatfom. <i>Chemical Science</i> , 2020, 11, 1299-1306.	3.7	83

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37	Functionalized Magnetic Nanoparticles with BODIPYs for Bioimaging and Antimicrobial Therapy Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 1061-1070.	2.3	29
38	Dual pH-triggered catalytic selective Mn clusters for cancer radiosensitization and radioprotection. <i>Nanoscale</i> , 2020, 12, 548-557.	2.8	21
39	Ultrasound-Enhanced Generation of Reactive Oxygen Species for MRI-Guided Tumor Therapy by the Fe@Fe <sub>3</sub> O <sub>4</sub> -Based Peroxidase-Mimicking Nanozyme. <i>ACS Applied Bio Materials</i> , 2020, 3, 639-647.	2.3	23
40	Smart Nanovesicle-Mediated Immunogenic Cell Death through Tumor Microenvironment Modulation for Effective Photodynamic Immunotherapy. <i>ACS Nano</i> , 2020, 14, 620-631.	7.3	192
41	Molecular Self-Assembly of Bioorthogonal Aptamer-Prodrug Conjugate Micelles for Hydrogen Peroxide and pH-Independent Cancer Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 937-944.	6.6	165
42	A new mitochondria-targeting fluorescent probe for ratiometric detection of H <sub>2</sub> O <sub>2</sub> in live cells. <i>Analytica Chimica Acta</i> , 2020, 1097, 230-237.	2.6	54
43	ROS-augmented and tumor-microenvironment responsive biodegradable nanoplatform for enhancing chemo-sonodynamic therapy. <i>Biomaterials</i> , 2020, 234, 119761.	5.7	144
44	Cellular Uptake of Few-Layered Black Phosphorus and the Toxicity to an Aquatic Unicellular Organism. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1583-1592.	4.6	25
45	Reactive Oxygen Correlated Chemiluminescent Imaging of a Semiconducting Polymer Nanoplatform for Monitoring Chemodynamic Therapy. <i>Nano Letters</i> , 2020, 20, 176-183.	4.5	123
46	NIR powered Janus nanocarrier for deep tumor penetration. <i>Applied Materials Today</i> , 2020, 18, 100504.	2.3	29
47	Single-atom nanozymes for biological applications. <i>Biomaterials Science</i> , 2020, 8, 6428-6441.	2.6	62
48	Chemiluminescent Nanosystems for Imaging Cancer Chemodynamic Therapy. <i>CheM</i> , 2020, 6, 2127-2129.	5.8	19
49	Organic molecule enhanced IO <sub>2</sub> electrochemiluminescence from the phase transformation of amorphous calcium phosphate. <i>Electrochimica Acta</i> , 2020, 361, 137062.	2.6	3
50	Biomimetic fibrin-targeted and H <sub>2</sub> O <sub>2</sub> -responsive nanocarriers for thrombus therapy. <i>Nano Today</i> , 2020, 35, 100986.	6.2	65
51	Sequential Catalytic, Magnetic Targeting Nanoplatform for Synergistic Photothermal and NIR-Enhanced Chemodynamic Therapy. <i>Chemistry of Materials</i> , 2020, 32, 9868-9881.	3.2	66
52	Engineering Gadolinium-Integrated Tellurium Nanorods for Theory-Oriented Photonic Hyperthermia in the NIR Biowindow. <i>Small</i> , 2020, 16, 2003508.	5.2	7
53	A multimodal imaging-guided nanoreactor for cooperative combination of tumor starvation and multiple mechanism-enhanced mild temperature phototherapy. <i>Biomaterials Science</i> , 2020, 8, 6561-6578.	2.6	27
54	Carbon Monoxide Controllable Targeted Gas Therapy for Synergistic Anti-inflammation. <i>IScience</i> , 2020, 23, 101483.	1.9	22

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55	Engineered nanoparticle-induced epigenetic changes: An important consideration in nanomedicine. <i>Acta Biomaterialia</i> , 2020, 117, 93-107.	4.1	8
56	Modified nanoscale metal organic framework-based nanoplatfoms in photodynamic therapy and further applications. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 32, 102026.	1.3	8
57	Au-Cu@PANI Alloy Core Shells for Aerobic Fibrin Degradation under Visible Light Exposure. <i>ACS Applied Bio Materials</i> , 2020, 3, 7631-7638.	2.3	9
58	Graphitic Carbon Nitride/Poly(3-hexylthiophene) Nanocomposites for the Photoelectrochemical Detection of H <sub>2</sub> O <sub>2</sub> in Living Cells. <i>ACS Applied Nano Materials</i> , 2020, 3, 8598-8603.	2.4	19
59	Tumor-Activated and Metal-Organic Framework Assisted Self-Assembly of Organic Photosensitizers. <i>ACS Nano</i> , 2020, 14, 13056-13068.	7.3	38
60	Photoactivatable Protherapeutic Nanomedicine for Cancer. <i>Advanced Materials</i> , 2020, 32, e2002661.	11.1	157
61	Singlet Oxygen Generation in Ferriporphyrin-Polymer Dots Catalyzed Chemiluminescence System for Cancer Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 5020-5029.	2.3	13
62	Polymer-Encapsulated Cobalt/Gold Bimetallic Nanoclusters as Stimuli-Responsive Chemiluminescent Nanoprobes for Reactive Oxygen Species. <i>Analytical Chemistry</i> , 2020, 92, 10677-10685.	3.2	36
63	Dual detoxification and inflammatory regulation by ceria nanozymes for drug-induced liver injury therapy. <i>Nano Today</i> , 2020, 35, 100925.	6.2	87
64	Heteroatom doped carbon dots with nanoenzyme like properties as theranostic platforms for free radical scavenging, imaging, and chemotherapy. <i>Acta Biomaterialia</i> , 2020, 114, 343-357.	4.1	52
65	Identification of Fe <sup>3+</sup> co-doped zinc titanate mesostructures using dielectric and antimicrobial activities. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4481-4494.	1.8	38
66	ROS-Scavenging Nanomaterials to Treat Periodontitis. <i>Frontiers in Chemistry</i> , 2020, 8, 595530.	1.8	43
67	A reactive oxygen species-responsive antioxidant nanotherapy for the treatment of drug-induced tissue and organ injury. <i>Biomaterials Science</i> , 2020, 8, 7117-7131.	2.6	9
68	Photoresponsive Materials for Antibacterial Applications. <i>Cell Reports Physical Science</i> , 2020, 1, 100245.	2.8	102
69	Tellurium doped zinc imidazole framework (Te@ZIF-8) for quantitative determination of hydrogen peroxide from serum of pancreatic cancer patients. <i>Scientific Reports</i> , 2020, 10, 21077.	1.6	13
70	Effect of coordination dissymmetry on the catalytic activity of manganese catalase mimics. <i>Journal of Inorganic Biochemistry</i> , 2020, 213, 111264.	1.5	1
71	Biological Evaluation of Azetidene-2-One Derivatives of Ferulic Acid as Promising Anti-Inflammatory Agents. <i>Processes</i> , 2020, 8, 1401.	1.3	4
72	Biodegradable Fe-Doped Vanadium Disulfide Theranostic Nanosheets for Enhanced Sonodynamic/Chemodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52370-52382.	4.0	73

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73	Are nearly free silanols a unifying structural determinant of silica particle toxicity?. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30006-30008.	3.3	9
74	Iron-Based Theranostic Nanoplatform for Improving Chemodynamic Therapy of Cancer. ACS Biomaterials Science and Engineering, 2020, 6, 4834-4845.	2.6	61
75	Chemistry of Advanced Nanomedicines in Cancer Cell Metabolism Regulation. Advanced Science, 2020, 7, 2001388.	5.6	20
76	Synthesis and characterization of cellulose/TiO <sub>2</sub> nanocomposite: Evaluation of in vitro antibacterial and in silico molecular docking studies. Carbohydrate Polymers, 2020, 249, 116868.	5.1	32
77	Triple stimuli-responsive supramolecular nanoassembly with mitochondrial targetability for chemophotothermal therapy. Journal of Controlled Release, 2020, 327, 35-49.	4.8	19
78	All-in-One Theranostic Nanomedicine with Ultrabright Second Near-Infrared Emission for Tumor-Modulated Bioimaging and Chemodynamic/Photodynamic Therapy. ACS Nano, 2020, 14, 9613-9625.	7.3	203
79	Materdicine: Interdiscipline of materials and medicine. View, 2020, 1, 20200016.	2.7	22
80	Bioinspired Copper Single-Atom Catalysts for Tumor Parallel Catalytic Therapy. Advanced Materials, 2020, 32, e2002246.	11.1	230
81	Porous Lanthanum-Doped Manganese Oxide Nanoparticles for Enhanced Sonodynamic Cancer Therapy. Particle and Particle Systems Characterization, 2020, 37, 2000143.	1.2	13
82	Reactive Oxygen Species-Responsive Adaptable Self-Assembly of Peptides toward Advanced Biomaterials. ACS Applied Bio Materials, 2020, 3, 5529-5551.	2.3	21
83	Magnetic iron oxide nanomaterials: A key player in cancer nanomedicine. View, 2020, 1, 20200046.	2.7	31
84	Noble metal alloy nanoparticles coated flexible MoS <sub>2</sub> paper for the determination of reactive oxygen species. Biosensors and Bioelectronics, 2020, 166, 112463.	5.3	21
85	Enhancing Singlet Oxygen Generation in Conjugates of Silicon Nanocrystals and Organic Photosensitizers. Frontiers in Chemistry, 2020, 8, 567.	1.8	7
86	Augmenting Therapeutic Potential of Polyphenols by Hydrogen-Bonding Complexation for the Treatment of Acute Lung Inflammation. ACS Applied Bio Materials, 2020, 3, 5202-5212.	2.3	10
87	Water-soluble cyclometalated Ir(III) complexes as carrier-free and pure nanoparticle photosensitizers for photodynamic therapy and cell imaging. Dalton Transactions, 2020, 49, 11493-11497.	1.6	9
88	Spatio-Temporally Reporting Dose-Dependent Chemotherapy via Uniting Dual-Modal MRI/NIR Imaging. Angewandte Chemie - International Edition, 2020, 59, 21143-21150.	7.2	51
89	Natural Polyphenol-Vanadium Oxide Nanozymes for Synergistic Chemodynamic/Photothermal Therapy. Chemistry - A European Journal, 2020, 26, 15159-15169.	1.7	45
90	Carbon Dots Derived from Citric Acid and Glutathione as a Highly Efficient Intracellular Reactive Oxygen Species Scavenger for Alleviating the Lipopolysaccharide-Induced Inflammation in Macrophages. ACS Applied Materials & Interfaces, 2020, 12, 41088-41095.	4.0	74

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91	Biomimetic CoO@AuPt nanozyme responsive to multiple tumor microenvironmental clues for augmenting chemodynamic therapy. <i>Biomaterials</i> , 2020, 257, 120279.	5.7	99
92	mHealth: A smartphone-controlled, wearable platform for tumour treatment. <i>Materials Today</i> , 2020, 40, 91-100.	8.3	12
93	Spatio-temporally Reporting Dose-dependent Chemotherapy via Uniting Dual-modal MRI/NIR Imaging. <i>Angewandte Chemie</i> , 2020, 132, 21329-21336.	1.6	6
94	Biomimetic sensor based on Mn(III) meso-tetra(N-methyl-4-pyridyl) porphyrin for non-enzymatic electrocatalytic determination of hydrogen peroxide and as an electrochemical transducer in oxidase biosensor for analysis of biological media. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128437.	4.0	25
95	Composition-Dependent Antimicrobial Ability of Full-Spectrum Au <sub>x</sub> Ag <sub>25-x</sub> Alloy Nanoclusters. <i>ACS Nano</i> , 2020, 14, 11533-11541.	7.3	75
96	A Genetically Encoded RNA Photosensitizer for Targeted Cell Regulation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21986-21990.	7.2	2
97	A pH-Responsive Polymer-CeO <sub>2</sub> Hybrid to Catalytically Generate Oxidative Stress for Tumor Therapy. <i>Small</i> , 2020, 16, e2004654.	5.2	39
98	Recent advances in functional nanomaterials for X-ray triggered cancer therapy. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 567-576.	1.8	27
99	Nanoplatform-based cascade engineering for cancer therapy. <i>Chemical Society Reviews</i> , 2020, 49, 9057-9094.	18.7	109
100	A combined experimental and DFT approach on free radical induced oxidations of kynurenic acid. <i>New Journal of Chemistry</i> , 2020, 44, 18858-18866.	1.4	5
101	Recent Advances in Stimuli-Responsive Platforms for Cancer Immunotherapy. <i>Accounts of Chemical Research</i> , 2020, 53, 2044-2054.	7.6	72
102	GSH depletion liposome adjuvant for augmenting the photothermal immunotherapy of breast cancer. <i>Science Advances</i> , 2020, 6, .	4.7	124
103	Engineering EHD1-Targeted Natural Borneol Nanoemulsion Potentiates Therapeutic Efficacy of Gefitinib against Nonsmall Lung Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45714-45727.	4.0	14
104	Enhancement of Nanozyme Permeation by Endovascular Interventional Treatment to Prevent Vascular Restenosis via Macrophage Polarization Modulation. <i>Advanced Functional Materials</i> , 2020, 30, 2006581.	7.8	26
105	Dual-path modulation of hydrogen peroxide to ameliorate hypoxia for enhancing photodynamic/starvation synergistic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9933-9942.	2.9	22
106	Fe <sub>3</sub> O <sub>4</sub> @GO magnetic nanocomposites protect mesenchymal stem cells and promote osteogenic differentiation of rat bone marrow mesenchymal stem cells. <i>Biomaterials Science</i> , 2020, 8, 5984-5993.	2.6	27
107	Synthetic amorphous silica nanoparticles: toxicity, biomedical and environmental implications. <i>Nature Reviews Materials</i> , 2020, 5, 886-909.	23.3	212
108	Amplification of oxidative stress via intracellular ROS production and antioxidant consumption by two natural drug-encapsulated nanoagents for efficient anticancer therapy. <i>Nanoscale Advances</i> , 2020, 2, 3872-3881.	2.2	13

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109	Macrocycles and Supramolecules as Antioxidants: Excellent Scaffolds for Development of Potential Therapeutic Agents. <i>Antioxidants</i> , 2020, 9, 859.	2.2	16
110	Photothermal Generation of Oxygen-Irrelevant Free Radicals with Simultaneous Suppression of Glutathione Synthesis for an Enhanced Photonic Thermodynamic Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6186-6194.	2.6	12
111	Ultrasmall Ag <sub>2</sub> Te Quantum Dots with Rapid Clearance for Amplified Computed Tomography Imaging and Augmented Photonic Tumor Hyperthermia. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42558-42566.	4.0	25
112	Aza-BODIPY Probe-Decorated Mesoporous Black TiO <sub>2</sub> Nanoplatform for the Highly Efficient Synergistic Phototherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 41071-41078.	4.0	21
113	Navigating nMOF-mediated enzymatic reactions for catalytic tumor-specific therapy. <i>Materials Horizons</i> , 2020, 7, 3176-3186.	6.4	27
114	Photonic hyperthermal and sonodynamic nanotherapy targeting oral squamous cell carcinoma. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9084-9093.	2.9	18
115	An NIR-activated polymeric nanoplatform with ROS- and temperature-sensitivity for combined photothermal therapy and chemotherapy of pancreatic cancer. <i>Biomaterials Science</i> , 2020, 8, 5931-5940.	2.6	23
116	Intracellular Metal-Organic Frameworks: Integrating an All-In-One Semiconductor Electrode Chip for Therapy, Capture, and Quantification of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2020, 92, 13319-13326.	3.2	36
117	Metal-Phenolic Networks Nanoplatform to Mimic Antioxidant Defense System for Broad-Spectrum Radical Eliminating and Endotoxemia Treatment. <i>Advanced Functional Materials</i> , 2020, 30, 2002234.	7.8	74
118	Co-Immobilization of Ce6 Sono/Photosensitizer and Protonated Graphitic Carbon Nitride on PCL/Gelatin Fibrous Scaffolds for Combined Sono-Photodynamic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40728-40739.	4.0	37
119	Surface-Charge-Switchable Nanoclusters for Magnetic Resonance Imaging-Guided and Glutathione Depletion-Enhanced Photodynamic Therapy. <i>ACS Nano</i> , 2020, 14, 11225-11237.	7.3	94
120	A Genetically Encoded RNA Photosensitizer for Targeted Cell Regulation. <i>Angewandte Chemie</i> , 2020, 132, 22170-22174.	1.6	0
121	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub> Nanoparticles Trigger Antitumor Immunotherapy through Reactive Oxygen Species Storm and Surge of Tumor Osmolarity. <i>Journal of the American Chemical Society</i> , 2020, 142, 21751-21757.	6.6	133
122	Targeting Microglia for Therapy of Parkinson's Disease by Using Biomimetic Ultrasmall Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020, 142, 21730-21742.	6.6	97
123	Oxidative Stress and Antioxidant Treatments in Cardiovascular Diseases. <i>Antioxidants</i> , 2020, 9, 1292.	2.2	86
124	Size-transformable antigen-presenting cell-mimicking nanovesicles potentiate effective cancer immunotherapy. <i>Science Advances</i> , 2020, 6, .	4.7	53
125	Fabrication of Anisotropic Cu Ferrite-Polymer Core-Shell Nanoparticles for Photodynamic Ablation of Cervical Cancer Cells. <i>Nanomaterials</i> , 2020, 10, 2429.	1.9	10
126	Ascorbate Tumor Chemotherapy by An Iron-Engineered Nanomedicine-Catalyzed Tumor-Specific Pro-Oxidation. <i>Journal of the American Chemical Society</i> , 2020, 142, 21775-21785.	6.6	80



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127	Fenton reaction-based nanomedicine in cancer chemodynamic and synergistic therapy. <i>Applied Materials Today</i> , 2020, 21, 100864.	2.3	71
128	Magnetic iron phosphide particles mediated peroxydisulfate activation for highly efficient elimination of sulfonamide antibiotics. <i>Chemical Engineering Journal</i> , 2020, 397, 125279.	6.6	37
129	Metal-Organic Frameworks with Enhanced Photodynamic Therapy: Synthesis, Erythrocyte Membrane Camouflage, and Aptamer-Targeted Aggregation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 23697-23706.	4.0	101
130	Poly(selenoviologen)-Assembled Upconversion Nanoparticles for Low-Power Single-NIR Light-Triggered Synergistic Photodynamic and Photothermal Antibacterial Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26432-26443.	4.0	46
131	Enlightening advances in polymer bioconjugate chemistry: light-based techniques for grafting to and from biomacromolecules. <i>Chemical Science</i> , 2020, 11, 5142-5156.	3.7	60
132	Dual-Functionalized Crescent Microgels for Selectively Capturing and Killing Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14076-14080.	7.2	21
133	Reactivities of singlet oxygen: open-shell or closed-shell?. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13373-13377.	1.3	6
134	Oxygen Pathology and Oxygen-Functional Materials for Therapeutics. <i>Matter</i> , 2020, 2, 1115-1147.	5.0	8
135	Aza-BODIPY-Based Nanomedicines in Cancer Phototheranostics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26914-26925.	4.0	110
136	A novel fluorogenic probe for visualizing the hydrogen peroxide in Parkinson's disease models. <i>Journal of Innovative Optical Health Sciences</i> , 2020, 13, .	0.5	14
137	A Nanomedicine Fabricated from Gold Nanoparticles-Decorated Metal-Organic Framework for Cascade Chemo/Chemodynamic Cancer Therapy. <i>Advanced Science</i> , 2020, 7, 2001060.	5.6	150
138	Facet-dependent antibacterial activity of Au nanocrystals. <i>Chinese Chemical Letters</i> , 2020, 31, 3183-3189.	4.8	17
139	Synthesis of Ag@CuO nanohybrids and their photo-enhanced bactericidal effect through concerted Ag ion release and reactive oxygen species generation. <i>Dalton Transactions</i> , 2020, 49, 9274-9281.	1.6	17
140	Ultrasound-degradable serum albumin nanoplatfom for <i>in situ</i> controlled drug release. <i>Chemical Communications</i> , 2020, 56, 7503-7506.	2.2	4
141	Solvent-Free Synthesis of Fluorescent Carbon Dots: An Ecofriendly Approach for the Bioimaging and Screening of Anticancer Activity via Caspase-Induced Apoptosis. <i>ACS Applied Bio Materials</i> , 2020, 3, 4873-4882.	2.3	24
142	Emerging 2D pnictogens for catalytic applications: status and challenges. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12887-12927.	5.2	32
143	Cascade of reactive oxygen species generation by polyprodrug for combinational photodynamic therapy. <i>Biomaterials</i> , 2020, 255, 120210.	5.7	74
144	The rapid photoresponsive bacteria-killing of Cu-doped MoS <sub>2</sub> . <i>Biomaterials Science</i> , 2020, 8, 4216-4224.	2.6	57

#	ARTICLE	IF	CITATIONS
145	Epitaxially Strained CeO <sub>2</sub> /Mn <sub>3</sub> O <sub>4</sub> Nanocrystals as an Enhanced Antioxidant for Radioprotection. <i>Advanced Materials</i> , 2020, 32, e2001566.	11.1	79
146	Core-Shell-Satellite Nanomaterials as Remotely Controlled Self-Fueling Fenton Reagents for Imaging-Guided Triple-Negative Breast Cancer-Specific Therapy. <i>Small</i> , 2020, 16, 2002537.	5.2	24
147	Dancing with reactive oxygen species generation and elimination in nanotheranostics for disease treatment. <i>Advanced Drug Delivery Reviews</i> , 2020, 158, 73-90.	6.6	83
148	Microcellular Environmental Regulation of Silver Nanoparticles in Cancer Therapy: A Critical Review. <i>Cancers</i> , 2020, 12, 664.	1.7	59
149	Clinically Approved Carbon Nanoparticles with Oral Administration for Intestinal Radioprotection via Protecting the Small Intestinal Crypt Stem Cells and Maintaining the Balance of Intestinal Flora. <i>Small</i> , 2020, 16, e1906915.	5.2	51
150	A novel reaction-based fluorescence probe for rapid imaging of HClO in live cells, animals, and injured liver tissues. <i>Talanta</i> , 2020, 215, 120901.	2.9	41
151	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9693-9701.	7.2	85
152	Emerging graphitic carbon nitride-based materials for biomedical applications. <i>Progress in Materials Science</i> , 2020, 112, 100666.	16.0	197
153	A programmable polymer library that enables the construction of stimuli-responsive nanocarriers containing logic gates. <i>Nature Chemistry</i> , 2020, 12, 381-390.	6.6	122
154	Dynamic core crosslinked camptothecin prodrug micelles with reduction sensitivity and boronic acid-mediated enhanced endocytosis: An intelligent tumor-targeted delivery nanopatform. <i>International Journal of Pharmaceutics</i> , 2020, 580, 119250.	2.6	16
155	Reactive oxygen species (ROS) as pleiotropic physiological signalling agents. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 363-383.	16.1	2,341
156	Human serum albumin-based doxorubicin prodrug nanoparticles with tumor pH-responsive aggregation-enhanced retention and reduced cardiotoxicity. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3939-3948.	2.9	67
157	Engineering a Therapy-Induced Immunogenic Cancer Cell Death-Amplifier to Boost Systemic Tumor Elimination. <i>Advanced Functional Materials</i> , 2020, 30, 1909745.	7.8	87
158	Fusiform-Like Copper(II)-Based Metal-Organic Framework through Relief Hypoxia and GSH-Depletion Co-Enhanced Starvation and Chemodynamic Synergetic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17254-17267.	4.0	156
159	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. <i>Angewandte Chemie</i> , 2020, 132, 9780-9788.	1.6	13
160	A supramolecular assembly mediated by host-guest interactions for improved chemo-photodynamic combination therapy. <i>Chemical Communications</i> , 2020, 56, 4192-4195.	2.2	16
161	Dual-Modal Therapeutic Role of the Lactate Oxidase-Embedded Hierarchical Porous Zeolitic Imidazolate Framework as a Nanocatalyst for Effective Tumor Suppression. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32278-32288.	4.0	52
162	Advanced Theragenerative Biomaterials with Therapeutic and Regeneration Multifunctionality. <i>Advanced Functional Materials</i> , 2020, 30, 2002621.	7.8	35

#	ARTICLE	IF	CITATIONS
163	Designing Dihydrofolate Reductase Inhibitors as X-ray Radiosensitizers to Reverse Radioresistance of Cervical Cancer. ACS Medicinal Chemistry Letters, 2020, 11, 1421-1428.	1.3	7
164	Facile design of autogenous stimuli-responsive chitosan/hyaluronic acid nanoparticles for efficient small molecules to protein delivery. Journal of Materials Chemistry B, 2020, 8, 7275-7287.	2.9	18
165	Novel copper-based and pH-sensitive nanomedicine for enhanced chemodynamic therapy. Chemical Communications, 2020, 56, 7753-7756.	2.2	20
166	Transition-Metal Phosphide/Sulfide Nanocomposites for Effective Electrochemical Non-Enzymatic Detection of Hydrogen Peroxide. ChemElectroChem, 2020, 7, 3416-3419.	1.7	9
167	Cancer cell membrane-coated gold nanorods for photothermal therapy and radiotherapy on oral squamous cancer. Journal of Materials Chemistry B, 2020, 8, 7253-7263.	2.9	67
168	Recent advances in MOF-based nanoplatfoms generating reactive species for chemodynamic therapy. Dalton Transactions, 2020, 49, 11045-11058.	1.6	113
169	Light-free Generation of Singlet Oxygen through Manganese-Thiophene Nanosystems for pH-Responsive Chemiluminescence Imaging and Tumor Therapy. Chem, 2020, 6, 2314-2334.	5.8	150
170	Tumor Microenvironment-Activated Degradable Multifunctional Nanoreactor for Synergistic Cancer Therapy and Glucose SERS Feedback. IScience, 2020, 23, 101274.	1.9	30
171	A smart theranostic agent based on Fe-HPPy@Au/DOX for CT imaging and PTT/chemotherapy/CDT combined anticancer therapy. Biomaterials Science, 2020, 8, 4067-4072.	2.6	37
172	Finely tuned Prussian blue-based nanoparticles and their application in disease treatment. Journal of Materials Chemistry B, 2020, 8, 7121-7134.	2.9	22
173	Beyond Antibiotics: Photo/Sonodynamic Approaches for Bacterial Theranostics. Nano-Micro Letters, 2020, 12, 144.	14.4	78
174	X-ray and NIR light dual-triggered mesoporous upconversion nanophosphor/Bi heterojunction radiosensitizer for highly efficient tumor ablation. Acta Biomaterialia, 2020, 113, 570-583.	4.1	24
175	Ce and Er Co-doped TiO <sub>2</sub> for rapid bacteria-killing using visible light. Bioactive Materials, 2020, 5, 201-209.	8.6	61
176	Upconversion Nanoparticle-Induced Multimode Photodynamic Therapy Based on a Metal-Organic Framework/Titanium Dioxide Nanocomposite. ACS Applied Materials & Interfaces, 2020, 12, 12600-12608.	4.0	74
177	<i>In vivo</i> real-time tracking of tumor-specific biocatalysis in cascade nanotheranostics enables synergistic cancer treatment. Chemical Science, 2020, 11, 3371-3377.	3.7	17
178	Unimolecular Photodynamic O <sub>2</sub> -Economizer To Overcome Hypoxia Resistance in Phototherapeutics. Journal of the American Chemical Society, 2020, 142, 5380-5388.	6.6	242
179	Type I photosensitizers based on phosphindole oxide for photodynamic therapy: apoptosis and autophagy induced by endoplasmic reticulum stress. Chemical Science, 2020, 11, 3405-3417.	3.7	182
180	FeS@BSA Nanoclusters to Enable H <sub>2</sub> O <sub>2</sub> -Amplified ROS-Based Therapy with MRI Guidance. Advanced Science, 2020, 7, 1903512.	5.6	114

#	ARTICLE	IF	CITATIONS
181	Inflammation-targeting polymeric nanoparticles deliver sparfloracin and tacrolimus for combating acute lung sepsis. <i>Journal of Controlled Release</i> , 2020, 321, 463-474.	4.8	77
182	Glycyrrhizicâ€Acidâ€Based Carbon Dots with High Antiviral Activity by Multisite Inhibition Mechanisms. <i>Small</i> , 2020, 16, e1906206.	5.2	148
183	Nanomaterials/microorganism-integrated microbiotic nanomedicine. <i>Nano Today</i> , 2020, 32, 100854.	6.2	35
184	The role of reactive oxygen species in tumor treatment. <i>RSC Advances</i> , 2020, 10, 7740-7750.	1.7	59
185	Nanomaterials for the regulation of the tumor microenvironment and theranostics. <i>Nanoscale Advances</i> , 2020, 2, 1395-1409.	2.2	11
186	Programmable starving-photodynamic synergistic cancer therapy. <i>Science China Materials</i> , 2020, 63, 611-619.	3.5	23
187	One- and two-photon electron-transfer induced uncaging of coumarin from cinnamate-capped CdSe quantum dots. <i>Journal of Luminescence</i> , 2020, 222, 117112.	1.5	1
188	In Situ Photocatalysis of TiOâ€Porphyrin-Encapsulated Nanosystem for Highly Efficient Oxidative Damage against Hypoxic Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12573-12583.	4.0	21
189	A Metalâ€Organic Framework (MOF) Fenton Nanoagentâ€Enabled Nanocatalytic Cancer Therapy in Synergy with Autophagy Inhibition. <i>Advanced Materials</i> , 2020, 32, e1907152.	11.1	220
190	Propertyâ€Activity Relationship of Black Phosphorus at the Nanoâ€Bio Interface: From Molecules to Organisms. <i>Chemical Reviews</i> , 2020, 120, 2288-2346.	23.0	158
191	Nano-Therapies for Glioblastoma Treatment. <i>Cancers</i> , 2020, 12, 242.	1.7	69
192	Pharmacologic Vitamin C-Based Cell Therapy via Iron Oxide Nanoparticle-Induced Intracellular Fenton Reaction. <i>ACS Applied Nano Materials</i> , 2020, 3, 1683-1692.	2.4	17
193	Advances in nanomaterials for photodynamic therapy applications: Status and challenges. <i>Biomaterials</i> , 2020, 237, 119827.	5.7	484
194	Colorimetric Band-aids for Point-of-Care Sensing and Treating Bacterial Infection. <i>ACS Central Science</i> , 2020, 6, 207-212.	5.3	81
195	Augmenting Tumorâ€Starvation Therapy by Cancer Cell Autophagy Inhibition. <i>Advanced Science</i> , 2020, 7, 1902847.	5.6	76
196	Singleâ€Atom Catalysts in Catalytic Biomedicine. <i>Advanced Materials</i> , 2020, 32, e1905994.	11.1	260
197	Ultra-small Bi <sub>2</sub> S <sub>3</sub> nanodot-doped reversible Fe( <i>ii</i> )-based hollow mesoporous Prussian blue nanocubes for amplified tumor oxidative stress-augmented photo-/radiotherapy. <i>Biomaterials Science</i> , 2020, 8, 1981-1995.	2.6	24
198	Spatiotemporally Synchronous Oxygen Selfâ€Supply and Reactive Oxygen Species Production on Zâ€Scheme Heterostructures for Hypoxic Tumor Therapy. <i>Advanced Materials</i> , 2020, 32, e1908109.	11.1	124

#	ARTICLE	IF	CITATIONS
199	A continuous stimuli-responsive system for NIR-II fluorescence/photoacoustic imaging guided photothermal/gas synergistic therapy. <i>Nanoscale</i> , 2020, 12, 11562-11572.	2.8	44
200	Improved functional and nutritional properties of tomato fruit during cold storage. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1467-1474.	1.8	32
201	Developing New Cancer Nanomedicines by Repurposing Old Drugs. <i>Angewandte Chemie</i> , 2020, 132, 22013-22022.	1.6	0
202	Developing New Cancer Nanomedicines by Repurposing Old Drugs. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21829-21838.	7.2	38
203	Highly Selective and Sensitive Detection of Biogenic Defense Phytohormone Salicylic Acid in Living Cells and Plants Using a Novel and Viable Rhodamine-Functionalized Fluorescent Probe. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4285-4291.	2.4	14
204	An open source and reduce expenditure ROS generation strategy for chemodynamic/photodynamic synergistic therapy. <i>Nature Communications</i> , 2020, 11, 1735.	5.8	343
205	Chemoreactive nanomedicine. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6753-6764.	2.9	18
206	Cerium Oxide Nanoparticles: Advances in Biodistribution, Toxicity, and Preclinical Exploration. <i>Small</i> , 2020, 16, e1907322.	5.2	85
207	&lt;p&gt;Cyclodextrin-Modified CeO&lt;sub&gt;2&lt;/sub&gt; Nanoparticles as a Multifunctional Nanozyme for Combinational Therapy of Psoriasis&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2515-2527.	3.3	30
208	One Stone Two Birds: Zr-Fc Metal-Organic Framework Nanosheet for Synergistic Photothermal and Chemodynamic Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20321-20330.	4.0	105
209	The potential role of borophene as a radiosensitizer in boron neutron capture therapy (BNCT) and particle therapy (PT). <i>Biomaterials Science</i> , 2020, 8, 2778-2785.	2.6	22
210	Glutathione- and light-controlled generation of singlet oxygen for triggering drug release in mesoporous silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4460-4468.	2.9	9
211	Graphdiyne oxide: a new carbon nanozyme. <i>Chemical Communications</i> , 2020, 56, 5115-5118.	2.2	63
212	Iminoboronate Backbone-Based Hyperbranched Polymeric Micelles with Fenton-Like Enhanced ROS Response. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000022.	1.1	5
213	Glucose-responsive cascaded nanocatalytic reactor with self-modulation of the tumor microenvironment for enhanced chemo-catalytic therapy. <i>Materials Horizons</i> , 2020, 7, 1834-1844.	6.4	56
214	Zinc metal carboxylates as potential anti-Alzheimer's candidate: <i>in vitro</i> anticholinesterase, antioxidant and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1044-1054.	2.0	39
215	Photothermal-Promoted Nanocatalysis Combined with H <sub>2</sub> S-Mediated Respiration Inhibition for Efficient Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2007991.	7.8	70
216	ROS-responsive and multifunctional anti-Alzheimer prodrugs: Tacrine-ibuprofen hybrids via a phenyl boronate linker. <i>European Journal of Medicinal Chemistry</i> , 2021, 212, 112997.	2.6	23

#	ARTICLE	IF	CITATIONS
217	Polypeptide uploaded efficient nanophotosensitizers to overcome photodynamic resistance for enhanced anticancer therapy. <i>Chemical Engineering Journal</i> , 2021, 403, 126344.	6.6	22
218	Injectable multi-responsive micelle/nanocomposite hybrid hydrogel for bioenzyme and photothermal augmented chemodynamic therapy of skin cancer and bacterial infection. <i>Chemical Engineering Journal</i> , 2021, 404, 126439.	6.6	56
219	Oxygen vacancy enhanced biomimetic superoxide dismutase activity of CeO <sub>2</sub> -Gd nanozymes. <i>Journal of Rare Earths</i> , 2021, 39, 1108-1116.	2.5	32
220	Facile engineering of silk fibroin capped AuPt bimetallic nanozyme responsive to tumor microenvironmental factors for enhanced nanocatalytic therapy. <i>Theranostics</i> , 2021, 11, 107-116.	4.6	25
221	Small molecules regulating reactive oxygen species homeostasis for cancer therapy. <i>Medicinal Research Reviews</i> , 2021, 41, 342-394.	5.0	107
222	Engineering two-dimensional silicene composite nanosheets for dual-sensitized and photonic hyperthermia-augmented cancer radiotherapy. <i>Biomaterials</i> , 2021, 269, 120455.	5.7	36
223	Inorganic Nanoparticles Applied as Functional Therapeutics. <i>Advanced Functional Materials</i> , 2021, 31, 2008171.	7.8	51
224	Heavy-Atom-Modulated Supramolecular Assembly Increases Antitumor Potency against Malignant Breast Tumors via Tunable Cooperativity. <i>Advanced Materials</i> , 2021, 33, e2004225.	11.1	36
225	Recent Advances in Hyperthermia Therapy-Based Synergistic Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2004788.	11.1	233
226	Nanotechnology enabled reactive species regulation in biosystems for boosting cancer immunotherapy. <i>Nano Today</i> , 2021, 36, 101035.	6.2	28
227	One Responsive Stone, Three Birds: Mn(III)-Hemoporphin Frameworks with Glutathione-Enhanced Degradation, MRI, and Sonodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001463.	3.9	37
228	Synthesis and supramolecular arrangement of new stearyl acid-based phenalenone derivatives. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125988.	2.3	3
229	Single nanosheet can sustainably generate oxygen and inhibit respiration simultaneously in cancer cells. <i>Materials Horizons</i> , 2021, 8, 597-605.	6.4	10
230	Advancing Versatile Ferroelectric Materials Toward Biomedical Applications. <i>Advanced Science</i> , 2021, 8, 2003074.	5.6	38
231	Intelligent MoS <sub>2</sub> -CuO heterostructures with multiplexed imaging and remarkably enhanced antitumor efficacy via synergetic photothermal therapy/ chemodynamic therapy/ immunotherapy. <i>Biomaterials</i> , 2021, 268, 120545.	5.7	109
232	Trisulfide linked cholesteryl PEG conjugate attenuates intracellular ROS and collagen-1 production in a breast cancer co-culture model. <i>Biomaterials Science</i> , 2021, 9, 835-846.	2.6	11
233	Regulation of redox balance using a biocompatible nanoplatfom enhances phototherapy efficacy and suppresses tumor metastasis. <i>Chemical Science</i> , 2021, 12, 148-157.	3.7	46
234	Which is Better for Nanomedicines: Nanocatalysts or Single-Atom Catalysts?. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001897.	3.9	13

#	ARTICLE	IF	CITATIONS
235	Nanozymes go oral: nanocatalytic medicine facilitates dental health. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1491-1502.	2.9	19
236	Roles of Ion Fluxes, Metabolism, and Redox Balance in Cancer Therapy. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1108-1127.	2.5	4
237	Reactive oxygen species-responsive silk sericin microcapsules used for antioxidative stress damage. <i>Microscopy Research and Technique</i> , 2021, 84, 618-626.	1.2	4
238	Sphere-like aggregates of porphyrin as phototherapeutic agent for synergistic cancer treatment. <i>Dyes and Pigments</i> , 2021, 186, 108926.	2.0	4
239	Engineering Biofunctional Enzyme-Mimics for Catalytic Therapeutics and Diagnostics. <i>Advanced Functional Materials</i> , 2021, 31, 2007475.	7.8	47
240	Energy-converting biomaterials for cancer therapy: Category, efficiency, and biosafety. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1663.	3.3	11
241	Antibacterial Hybrid Hydrogels. <i>Macromolecular Bioscience</i> , 2021, 21, e2000252.	2.1	105
242	Self-delivery nanomedicine for chemotherapy sensitized photodynamic therapy. <i>Chemical Communications</i> , 2021, 57, 7296-7299.	2.2	7
243	Self-assembled heterometallic complexes showing enhanced two-photon absorption and their distribution in living cells. <i>New Journal of Chemistry</i> , 2021, 45, 4994-5001.	1.4	1
244	Size-controlled synthesis of bioinspired polyserotonin nanoparticles with free radical scavenging activity. <i>Journal of Materials Chemistry B</i> , 2021, 9, 634-637.	2.9	9
245	Theranostic two-dimensional superparamagnetic maghemite quantum structures for ROS-mediated cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5805-5817.	2.9	3
246	Ferroptosis in cancer therapeutics: a materials chemistry perspective. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8906-8936.	2.9	23
247	Development of Non-Porous Silica Nanoparticles towards Cancer Photo-Theranostics. <i>Biomedicines</i> , 2021, 9, 73.	1.4	33
248	Reactive oxygen species-responsive polydopamine nanoparticles for targeted and synergistic chemo and photodynamic anticancer therapy. <i>Nanoscale</i> , 2021, 13, 15899-15915.	2.8	15
249	Recent progress in mitochondria-targeting-based nanotechnology for cancer treatment. <i>Nanoscale</i> , 2021, 13, 7108-7118.	2.8	49
250	Nanocatalytic Theranostics with Glutathione Depletion and Enhanced Reactive Oxygen Species Generation for Efficient Cancer Therapy. <i>Advanced Materials</i> , 2021, 33, e2006892.	11.1	457
251	ROS-responsive probes for low-background optical imaging: a review. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 022002.	1.7	13
252	Defective Ag-In-S/ZnS quantum dots: an oxygen-derived free radical scavenger for mitigating macrophage inflammation. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8971-8979.	2.9	8

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253	Engineered Fe <sub>3</sub> O <sub>4</sub> -based nanomaterials for diagnosis and therapy of cancer. <i>New Journal of Chemistry</i> , 2021, 45, 7918-7941.	1.4	13
254	A porphyrin-based photodynamic O <sub>2</sub> economizer for hypoxic tumor treatment by inhibiting mitochondrial respiration. <i>Chemical Communications</i> , 2021, 57, 4134-4137.	2.2	7
255	Carbon dots up-regulate heme oxygenase-1 expression towards acute lung injury therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9005-9011.	2.9	8
256	IR780-based nanomaterials for cancer imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4079-4097.	2.9	32
257	Multi-shell nanocomposites based multienzyme mimetics for efficient intracellular antioxidation. <i>Nano Research</i> , 2021, 14, 2644-2653.	5.8	32
258	A polydopamine-gated biodegradable cascade nanoreactor for pH-triggered and photothermal-enhanced tumor-specific nanocatalytic therapy. <i>Nanoscale</i> , 2021, 13, 15677-15688.	2.8	14
259	A photo and tumor microenvironment activated nano-enzyme with enhanced ROS generation and hypoxia relief for efficient cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8253-8262.	2.9	14
260	Nanoscale coordination polymers induce immunogenic cell death by amplifying radiation therapy mediated oxidative stress. <i>Nature Communications</i> , 2021, 12, 145.	5.8	131
261	Long-Lasting Reactive Oxygen Species Generation by Porous Redox Mediator-Potentiated Nanoreactor for Effective Tumor Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2008573.	7.8	40
262	A cerium oxide@metal-organic framework nanoenzyme as a tandem catalyst for enhanced photodynamic therapy. <i>Chemical Communications</i> , 2021, 57, 2820-2823.	2.2	30
263	Fluorescent Probes for Selective Recognition of Hypobromous Acid: Achievements and Future Perspectives. <i>Molecules</i> , 2021, 26, 363.	1.7	26
264	Tumor Microenvironment-Responsive Nanococktails for Synergistic Enhancement of Cancer Treatment via Cascade Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 4861-4873.	4.0	28
265	Understanding the Role of Plasticity in Glioblastoma. , 2021, , .		0
266	Multifunctional metal-organic framework heterostructures for enhanced cancer therapy. <i>Chemical Society Reviews</i> , 2021, 50, 1188-1218.	18.7	138
267	Mesoporous silica coated CeO <sub>2</sub> nanozymes with combined lipid-lowering and antioxidant activity induce long-term improvement of the metabolic profile in obese Zucker rats. <i>Nanoscale</i> , 2021, 13, 8452-8466.	2.8	12
268	Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials. <i>Chemical Communications</i> , 2021, 57, 4902-4905.	2.2	27
269	Strategies and applications of covalent organic frameworks as promising nanoplatforms in cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3450-3483.	2.9	36
270	THE EFFECT OF ANTIOXIDANTS AND PH ON PHOTOOXIDATIVE STRESS WITH METHYLENE BLUE OF ESCHERICHIA COLI, S. AUREUS VE C. ALBICANS. <i>Eskişehir Teknik Üniversitesi Bilim Ve Teknoloji Dergisi - C Yaşam Bilimleri Ve Biyoteknoloji</i> , 2021, 10, 69-78.	0.1	0



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271	Photo cleavable thioacetal block copolymers for controlled release. <i>Polymer Chemistry</i> , 2021, 12, 3612-3618.	1.9	12
272	Precision photothermal therapy and photoacoustic imaging by <i>in situ</i> activatable thermoplasmonics. <i>Chemical Science</i> , 2021, 12, 10097-10105.	3.7	21
273	Transition metal carbide MXene. , 2021, , 671-709.		4
274	Heterotellurium-containing macrocycles towards degradable tellurium-functionalized polymers. <i>Polymer Chemistry</i> , 2021, 12, 4467-4471.	1.9	1
275	An oxidation responsive nano-radiosensitizer increases radiotherapy efficacy by remodeling tumor vasculature. <i>Biomaterials Science</i> , 2021, 9, 6308-6324.	2.6	15
276	Bacterial infection microenvironment sensitive prodrug micelles with enhanced photodynamic activities for infection control. <i>Colloids and Interface Science Communications</i> , 2021, 40, 100354.	2.0	33
277	The Beneficial Effects of Saffron Extract on Potential Oxidative Stress in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	1.9	19
278	Multienzyme-Mimic Ultrafine Alloyed Nanoparticles in Metal Organic Frameworks for Enhanced Chemodynamic Therapy. <i>Small</i> , 2021, 17, e2005865.	5.2	74
279	An MSN-based synergistic nanoplatform for root canal biofilm eradication <i>via</i> Fenton-enhanced sonodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7686-7697.	2.9	24
280	Recent near-infrared light-activated nanomedicine toward precision cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7076-7099.	2.9	21
281	Ultrasensitive Detection of Hydrogen Peroxide Using Bi <sub>2</sub> Te <sub>3</sub> Electrochemical Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 4761-4767.	4.0	34
282	A fluorescent nanobiocide based on ROS generation for eliminating pathogenic and multidrug-resistant bacteria. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3689-3695.	2.9	18
283	Supra-Carbon Dots Formed by Fe <sup>3+</sup> -Driven Assembly for Enhanced Tumor-Specific Photo-Mediated and Chemodynamic Synergistic Therapy. <i>ACS Applied Bio Materials</i> , 2021, 4, 2759-2768.	2.3	19
284	Most recent advances on enzyme-activatable optical probes for bioimaging. <i>Aggregate</i> , 2021, 2, e32.	5.2	39
285	Tumor-Activated Photosensitization and Size Transformation of Nanodrugs. <i>Advanced Functional Materials</i> , 2021, 31, 2010241.	7.8	44
286	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cell-Membrane-Destructive Stresses and Enables Rapid Sterilization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7744-7751.	7.2	26
287	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cell-Membrane-Destructive Stresses and Enables Rapid Sterilization. <i>Angewandte Chemie</i> , 2021, 133, 7823-7830.	1.6	10
288	Copper-Based Nanoscale Coordination Polymers Augmented Tumor Radioimmunotherapy for Immunogenic Cell Death Induction and T-Cell Infiltration. <i>Small</i> , 2021, 17, e2006231.	5.2	50

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289	Boosting of Antibacterial Performance of Cellulose Based Paper Sheet via TiO <sub>2</sub> Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1451.	1.8	10
290	Emerging Nanomedicine-Enabled/Enhanced Nanodynamic Therapies beyond Traditional Photodynamics. <i>Advanced Materials</i> , 2021, 33, e2005062.	11.1	117
291	Editorial: The Role of Reactive Oxygen Species in Chemical and Biochemical Processes. <i>Frontiers in Chemistry</i> , 2021, 9, 642523.	1.8	6
292	Iron-Based Metal-Organic Frameworks in Drug Delivery and Biomedicine. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 9643-9655.	4.0	85
293	The Influence of Diet on Oxidative Stress and Inflammation Induced by Bacterial Biofilms in the Human Oral Cavity. <i>Materials</i> , 2021, 14, 1444.	1.3	14
294	Ultrasound targeted microbubble destruction combined with Fe-MOF based bio-/enzyme-mimics nanoparticles for treating of cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 92.	4.2	29
295	Magnetothermally Triggered Free-Radical Generation for Deep-Seated Tumor Treatment. <i>Nano Letters</i> , 2021, 21, 2926-2931.	4.5	38
296	Synergistically improving myricetin ESIPT and antioxidant activity via dexterously trimming atomic electronegativity. <i>Journal of Molecular Liquids</i> , 2021, 325, 115272.	2.3	26
297	Mechanisms of Reactive Oxygen Species Generated by Inorganic Nanomaterials for Cancer Therapeutics. <i>Frontiers in Chemistry</i> , 2021, 9, 630969.	1.8	20
298	A solid lipid coated calcium peroxide nanocarrier enables combined cancer chemo/chemodynamic therapy with O <sub>2</sub> /H <sub>2</sub> O <sub>2</sub> self-sufficiency. <i>Acta Biomaterialia</i> , 2021, 122, 354-364.	4.1	49
299	Nanoplatforms for Sepsis Management: Rapid Detection/Warning, Pathogen Elimination and Restoring Immune Homeostasis. <i>Nano-Micro Letters</i> , 2021, 13, 88.	14.4	10
300	Stimuli-Responsive Manganese Single-Atom Nanozyme for Tumor Therapy via Integrated Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9480-9488.	7.2	271
301	Cobalt-Doped Zinc Oxide Nanoparticle-MoS <sub>2</sub> Nanosheet Composites as Broad-Spectrum Bactericidal Agents. <i>ACS Applied Nano Materials</i> , 2021, 4, 4361-4370.	2.4	18
302	Nanomaterials for Tumor Hypoxia Relief to Improve the Efficacy of ROS-Generated Cancer Therapy. <i>Frontiers in Chemistry</i> , 2021, 9, 649158.	1.8	23
303	Stimuli-Responsive Manganese Single-Atom Nanozyme for Tumor Therapy via Integrated Cascade Reactions. <i>Angewandte Chemie</i> , 2021, 133, 9566-9574.	1.6	50
304	Functionalized Scintillating Nanotubes for Simultaneous Radio- and Photodynamic Therapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 12997-13008.	4.0	13
306	Nanozymes for regulation of reactive oxygen species and disease therapy. <i>Chinese Chemical Letters</i> , 2021, 32, 2715-2728.	4.8	70
307	The characterization and biological activities of synthetic N, O-selenized chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2021, 173, 504-512.	3.6	11

#	ARTICLE	IF	CITATIONS
308	Advanced Biomedical Applications of Reactive Oxygen Species-Based Nanomaterials in Lung Cancer. <i>Frontiers in Chemistry</i> , 2021, 9, 649772.	1.8	10
309	Self-Assembly Iron Oxide Nanoclusters for Photothermal-Mediated Synergistic Chemo/Chemodynamic Therapy. <i>Journal of Immunology Research</i> , 2021, 2021, 1-10.	0.9	6
310	Catalytic nanozymes for central nervous system disease. <i>Coordination Chemistry Reviews</i> , 2021, 432, 213751.	9.5	42
311	Reactive Oxygen Species Responsive Polymers for Drug Delivery Systems. <i>Frontiers in Chemistry</i> , 2021, 9, 649048.	1.8	43
312	Phthalocyanine-Conjugated Glyconanoparticles for Chemo-photodynamic Combination Therapy. <i>Biomacromolecules</i> , 2021, 22, 1555-1567.	2.6	22
313	The Role of Porphyrinoid Photosensitizers for Skin Wound Healing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4121.	1.8	32
314	Cerium Oxide Nanoparticles: A New Therapeutic Tool in Liver Diseases. <i>Antioxidants</i> , 2021, 10, 660.	2.2	41
315	Endogenous Stimuli-Activatable Nanomedicine for Immune Theranostics for Cancer. <i>Advanced Functional Materials</i> , 2021, 31, 2100386.	7.8	36
316	Structure-Enabled Discovery of Novel Macrocyclic Inhibitors Targeting Glutaminase 1 Allosteric Binding Site. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4588-4611.	2.9	22
317	Role of oxidative stress in calcific aortic valve disease and its therapeutic implications. <i>Cardiovascular Research</i> , 2022, 118, 1433-1451.	1.8	33
318	Red light triggered photodynamic-chemo combination therapy using a prodrug caged by photosensitizer. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113251.	2.6	5
319	Oral delivery of antioxidant enzymes for effective treatment of inflammatory disease. <i>Biomaterials</i> , 2021, 271, 120753.	5.7	34
320	Ultrasmall Alloy Nanozyme for Ultrasound- and Near-Infrared Light-Promoted Tumor Ablation. <i>ACS Nano</i> , 2021, 15, 7774-7782.	7.3	111
321	Piezoelectric nanocomposites for sonodynamic bacterial elimination and wound healing. <i>Nano Today</i> , 2021, 37, 101104.	6.2	164
323	Cancer-Cell-Activated in situ Synthesis of Mitochondria-Targeting AIE Photosensitizer for Precise Photodynamic Therapy. <i>Angewandte Chemie</i> , 2021, 133, 15072-15080.	1.6	14
324	Recent Advances in Stimulus-Responsive Nanocarriers for Gene Therapy. <i>Advanced Science</i> , 2021, 8, 2100540.	5.6	60
325	Light-Induced Reactive Oxygen Species (ROS) Generator for Tumor Therapy through an ROS Burst in Mitochondria and AKT-Inactivation-Induced Apoptosis. <i>ACS Applied Bio Materials</i> , 2021, 4, 5222-5230.	2.3	3
326	Aldo-Keto Reductase 1C3 Mediates Chemotherapy Resistance in Esophageal Adenocarcinoma via ROS Detoxification. <i>Cancers</i> , 2021, 13, 2403.	1.7	14

#	ARTICLE	IF	CITATIONS
327	Beyond Photo: Xdynamic Therapies in Fighting Cancer. <i>Advanced Materials</i> , 2021, 33, e2007488.	11.1	58
328	Cancerâ€Cellâ€Activated in situ Synthesis of Mitochondriaâ€Targeting AIE Photosensitizer for Precise Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14945-14953.	7.2	130
329	Antibacterial Activity of Porous Gold Nanocomposites via NIR Light-Triggered Photothermal and Photodynamic Effects. <i>ACS Applied Bio Materials</i> , 2021, 4, 5071-5079.	2.3	20
330	Type I Photosensitizers Revitalizing Photodynamic Oncotherapy. <i>Small</i> , 2021, 17, e2006742.	5.2	171
331	Stimuli-activatable nanomaterials for phototherapy of cancer. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 042008.	1.7	16
332	Application of Nano-Drug Delivery System Based on Cascade Technology in Cancer Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5698.	1.8	28
333	Improved osteogenesis and angiogenesis of theranostic ions doped calcium phosphates (CaPs) by a simple surface treatment process: A state-of-the-art study. <i>Materials Science and Engineering C</i> , 2021, 124, 112082.	3.8	19
334	Singlet Oxygen Generation in Darkâ€Hypoxia by Catalytic Microenvironmentâ€Tailored Nanoreactors for NIRâ€Fluorescenceâ€Monitored Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15006-15012.	7.2	64
335	Conjugated Polymers with Aggregationâ€Induced Emission Characteristics for Fluorescence Imaging and Photodynamic Therapy. <i>ChemMedChem</i> , 2021, 16, 2330-2338.	1.6	20
336	Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics. <i>Advanced Functional Materials</i> , 2021, 31, 2101804.	7.8	71
337	Magnetic black phosphorus microbubbles for targeted tumor theranostics. <i>Nanophotonics</i> , 2021, 10, 3339-3358.	2.9	12
338	Singlet Oxygen Generation in Darkâ€Hypoxia by Catalytic Microenvironmentâ€Tailored Nanoreactors for NIRâ€Fluorescenceâ€Monitored Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2021, 133, 15133-15139.	1.6	13
339	Reactive Oxygen Species Scavenging Sutures for Enhanced Wound Sealing and Repair. <i>Small Structures</i> , 2021, 2, 2100002.	6.9	35
340	Polymeric micelles amplify tumor oxidative stresses through combining PDT and glutathione depletion for synergistic cancer chemotherapy. <i>Chemical Engineering Journal</i> , 2021, 411, 128561.	6.6	29
341	Mitochondria Targeted O <sub>2</sub> Economizer to Alleviate Tumor Hypoxia for Enhanced Photodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100198.	3.9	34
342	Intratumoral synthesis of nano-metalchelate for tumor catalytic therapy by ligand field-enhanced coordination. <i>Nature Communications</i> , 2021, 12, 3393.	5.8	57
343	Reactive-oxygen-species-scavenging nanomaterials for resolving inflammation. <i>Materials Today Bio</i> , 2021, 11, 100124.	2.6	52
344	Biocatalysts at atom level: From coordination structure to medical applications. <i>Applied Materials Today</i> , 2021, 23, 101029.	2.3	12

#	ARTICLE	IF	CITATIONS
345	Platinumâ€‘Copper Bimetallic Colloid Nanoparticle Cluster Nanozymes with Multiple Enzyme-like Activities for Scavenging Reactive Oxygen Species. <i>Langmuir</i> , 2021, 37, 7364-7372.	1.6	37
346	Biodegradable Polymersomes with Structure Inherent Fluorescence and Targeting Capacity for Enhanced Photoâ€‘Dynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17629-17637.	7.2	34
347	Enhanced Sunlight-Driven Reactive Species Generation via Polarization Field in Nanopiezoelectric Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29691-29707.	4.0	8
348	Mg( $\text{OH}$ ) <sub>2</sub> nanoparticles enhance the antibacterial activities of macrophages by activating the reactive oxygen species. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 2369-2380.	2.1	8
349	Redox-responsive nanoparticles self-assembled from porphyrin-betulinic acid conjugates for chemo- and photodynamic therapy. <i>Dyes and Pigments</i> , 2021, 190, 109307.	2.0	5
350	Targeted and oxygen-enriched polymeric micelles for enhancing photodynamic therapy. <i>Nanotechnology</i> , 2021, 32, 365102.	1.3	7
351	In situ oxidation-regulated self-assembly of peptides into transformable scaffolds for cascade therapy. <i>Nano Today</i> , 2021, 38, 101198.	6.2	23
352	ROS-based dynamic therapy synergy with modulating tumor cell-microenvironment mediated by inorganic nanomedicine. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213828.	9.5	80
354	Biodegradable Polymersomes with Structure Inherent Fluorescence and Targeting Capacity for Enhanced Photoâ€‘Dynamic Therapy. <i>Angewandte Chemie</i> , 2021, 133, 17770-17778.	1.6	4
355	Raising the â€‘Goodâ€™ Oxidants for Immune Protection. <i>Frontiers in Immunology</i> , 2021, 12, 698042.	2.2	18
356	Biom mineralization of Aggregation-Induced Emission-Active Photosensitizers for pH-Mediated Tumor Imaging and Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2021, 4, 5566-5574.	2.3	12
357	Long-term copper exposure promotes apoptosis and autophagy by inducing oxidative stress in pig testis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 55140-55153.	2.7	34
358	Persistent Luminescence Immune Hydrogel for Photodynamicâ€‘Immunotherapy of Tumors In Vivo. <i>Advanced Functional Materials</i> , 2021, 31, 2104472.	7.8	38
359	The potential application of nanomaterials for ferroptosis-based cancer therapy. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 042013.	1.7	19
360	GSH-Sensitive Nanoscale Mn <sup>3+</sup> -Sealed Coordination Particles as Activatable Drug Delivery Systems for Synergistic Photodynamic-Chemo Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31440-31451.	4.0	17
361	Dopamine-Substituted Multidomain Peptide Hydrogel with Inherent Antimicrobial Activity and Antioxidant Capability for Infected Wound Healing. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29380-29391.	4.0	63
362	Emerging hybrid biomaterials for oxidative stress induced photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102259.	1.3	6
363	A Membraneâ€‘Targeting Photosensitizer with Aggregationâ€‘Induced Emission Characteristics for Highly Efficient Photodynamic Combat of Human Coronaviruses. <i>Small</i> , 2021, 17, e2101770.	5.2	45

#	ARTICLE	IF	CITATIONS
364	Self-Activating Therapeutic Nanoparticle: A Targeted Tumor Therapy Using Reactive Oxygen Species Self-Generation and Switch-on Drug Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 30359-30372.	4.0	13
365	NIR-Responsive Hollow Magnetite Nanoclusters for Targeted Magnetic Resonance Imaging-Guided Photothermal/Chemo-Therapy and Chemodynamic Therapy. <i>Small</i> , 2021, 17, e2100794.	5.2	24
366	Broad-Spectrum Reactive Oxygen Species Scavenging and Activated Macrophage-Targeting Microparticles Ameliorate Inflammatory Bowel Disease. <i>Biomacromolecules</i> , 2021, 22, 3107-3118.	2.6	17
367	Tumor Microenvironment-Specific Chemical Internalization for Enhanced Gene Therapy of Metastatic Breast Cancer. <i>Research</i> , 2021, 2021, .	2.8	10
368	Mechanochemical synthesis of MAPbBr <sub>3</sub> /carbon sphere composites for boosting carrier-involved superoxide species. <i>Journal of Environmental Sciences</i> , 2021, 104, 399-414.	3.2	16
369	Redox Buffering Capacity of Nanomaterials as an Index of ROS-Based Therapeutics and Toxicity: A Preclinical Animal Study. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2475-2484.	2.6	9
370	NIR-Triggered Multi-Mode Antitumor Therapy Based on Bi <sub>2</sub> Se <sub>3</sub> /Au Heterostructure with Enhanced Efficacy. <i>Small</i> , 2021, 17, e2100961.	5.2	24
371	Plasma membrane targeted photodynamic O <sub>2</sub> economizer for hypoxic tumor therapy. <i>Biomaterials</i> , 2021, 273, 120854.	5.7	29
372	NIR light-responsive nanocarriers for controlled release. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2021, 47, 100420.	5.6	43
373	A Reactive Oxygen Species-Tyrosinase Cascade-Activated Prodrug for Selectively Suppressing Melanoma. <i>CCS Chemistry</i> , 2022, 4, 1654-1670.	4.6	13
374	Periodic Mesoporous Ionosilica Nanoparticles for Green Light Photodynamic Therapy and Photochemical Internalization of siRNA. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29325-29339.	4.0	21
375	Ultrasonic activation of inert poly(tetrafluoroethylene) enables piezocatalytic generation of reactive oxygen species. <i>Nature Communications</i> , 2021, 12, 3508.	5.8	153
376	Site-Specific Biomimicry of Antioxidative Melanin Formation and Its Application for Acute Liver Injury Therapy and Imaging. <i>Advanced Materials</i> , 2021, 33, e2102391.	11.1	38
377	Immunomodulatory nanosystems for treating inflammatory diseases. <i>Biomaterials</i> , 2021, 274, 120875.	5.7	38
378	Synergistic photodynamic and photothermal therapy of BODIPY-conjugated hyaluronic acid nanoparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 2028-2045.	1.9	15
379	Review on Recent Progress in Magnetic Nanoparticles: Synthesis, Characterization, and Diverse Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 629054.	1.8	242
380	Biomaterialized DNA nanospheres by metal organic framework for enhanced chemodynamic therapy. <i>Chemical Engineering Journal</i> , 2021, 415, 129036.	6.6	37
381	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

#	ARTICLE	IF	CITATIONS
382	Au/N-Doped Carbon Dot Nanozymes as Light-Controlled Anti- and Pro-Oxidants. ACS Applied Nano Materials, 2021, 4, 7253-7263.	2.4	30
383	Fabrication of Versatile Hollow Metal-Organic Framework Nanoplatfoms for Folate-Targeted and Combined Cancer Imaging and Therapy. ACS Applied Bio Materials, 2021, 4, 6417-6429.	2.3	17
384	Hydrogen peroxide-generating nanomedicine for enhanced chemodynamic therapy. Chinese Chemical Letters, 2021, 32, 2127-2138.	4.8	49
385	Role of reactive oxygen species in tumors based on the "seed and soil" theory: A complex interaction (Review). Oncology Reports, 2021, 46, .	1.2	15
386	Nanoparticle Size Effects in Biomedical Applications. ACS Applied Nano Materials, 2021, 4, 6471-6496.	2.4	90
387	Recent advances in porphyrin-based MOFs for cancer therapy and diagnosis therapy. Coordination Chemistry Reviews, 2021, 439, 213945.	9.5	82
388	Nanoparticle-Assisted Sonosensitizers and Their Biomedical Applications. International Journal of Nanomedicine, 2021, Volume 16, 4615-4630.	3.3	29
389	Shuttle-Shape Carrier-Free Platinum-Coordinated Nanoreactors with O <sub>2</sub> Self-Supply and ROS Augment for Enhanced Phototherapy of Hypoxic Tumor. ACS Applied Materials & Interfaces, 2021, 13, 32690-32702.	4.0	19
390	Oxygen-Independent Photocleavage of Radical Nanogenerator for Near-Infrared-Gated and H <sub>2</sub> O <sub>2</sub> -Mediated Free Radical Nanotherapy. Advanced Materials, 2021, 33, e2100129.	11.1	27
391	pH/H <sub>2</sub> O <sub>2</sub> Dual-Responsive Chiral Mesoporous Silica Nanorods Coated with a Biocompatible Active Targeting Ligand for Cancer Therapy. ACS Applied Materials & Interfaces, 2021, 13, 35397-35409.	4.0	32
392	Co-Adjuvant Nanoparticles for Radiotherapy Treatments of Oncological Diseases. Applied Sciences (Switzerland), 2021, 11, 7073.	1.3	17
393	Defect Engineering of Mesoporous Silica Nanoparticles for Biomedical Applications. Accounts of Materials Research, 2021, 2, 581-593.	5.9	20
394	Future antiviral polymers by plasma processing. Progress in Polymer Science, 2021, 118, 101410.	11.8	31
395	Nitrogen and Sulfur Co-doped Carbon Dots Enhance Drought Resistance in Tomato and Mung Beans. ACS Applied Bio Materials, 2021, 4, 6093-6102.	2.3	11
396	Non-Coding RNAs and Reactive Oxygen Species—Symmetric Players of the Pathogenesis Associated with Bacterial and Viral Infections. Symmetry, 2021, 13, 1307.	1.1	1
397	Chemically Designed Nanoscale Materials for Controlling Cellular Processes. Accounts of Chemical Research, 2021, 54, 2916-2927.	7.6	24
398	Cascade-responsive nanobomb with domino effect for anti-tumor synergistic therapies. National Science Review, 2022, 9, nwab139.	4.6	29
399	Reactive oxygen species-sensitive polymeric nanocarriers for synergistic cancer therapy. Acta Biomaterialia, 2021, 130, 17-31.	4.1	52

#	ARTICLE	IF	CITATIONS
400	Genistein-Derived ROS-Responsive Nanoparticles Relieve Colitis by Regulating Mucosal Homeostasis. ACS Applied Materials & Interfaces, 2021, 13, 40249-40266.	4.0	35
401	Oxygen Vacancy-Driven Reversible Free Radical Catalysis for Environment-Adaptive Cancer Chemodynamic Therapy. Angewandte Chemie - International Edition, 2021, 60, 20943-20951.	7.2	44
402	NIR-Organic Nanotheranostics for Precision Oncotherapy. Small, 2021, 17, e2102646.	5.2	63
403	Strategies for efficient photothermal therapy at mild temperatures: Progresses and challenges. Chinese Chemical Letters, 2022, 33, 575-586.	4.8	55
404	Construction of a Single-Atom Nanozyme for Enhanced Chemodynamic Therapy and Chemotherapy. Chemistry - A European Journal, 2021, 27, 13418-13425.	1.7	19
405	Designing Squaraine Dyes with Bright Deep-Red Aggregation-Induced Emission for Specific and Ratiometric Fluorescent Detection of Hypochlorite. Advanced Functional Materials, 2021, 31, 2105452.	7.8	34
406	Spontaneous Production of Ultrastable Reactive Oxygen Species on Titanium Oxide Surfaces Modified with Organic Ligands. Advanced Materials Interfaces, 2021, 8, 2100629.	1.9	11
407	Intramolecular Charge Transfer-Based Conjugated Oligomer with Fluorescence, Efficient Photodynamics, and Photothermal Activities. ACS Applied Bio Materials, 2021, 4, 6565-6574.	2.3	12
408	Arsenene-mediated multiple independently targeted reactive oxygen species burst for cancer therapy. Nature Communications, 2021, 12, 4777.	5.8	144
409	Magnetostrictive-Piezoelectric-Triggered Nanocatalytic Tumor Therapy. Nano Letters, 2021, 21, 6764-6772.	4.5	75
410	Conjugated Coordination Porphyrin-based Nanozymes for Photo-/Sono-Augmented Biocatalytic and Homologous Tumor Treatments. ACS Applied Materials & Interfaces, 2021, 13, 41485-41497.	4.0	23
411	Metal-organic nanostructure based on $Ti_xO_y$ /Ruthenium reaction Units: For CT/MR Imaging-Guided X-ray induced dynamic therapy. Chemical Engineering Journal, 2021, 417, 129262.	6.6	12
412	An overview of the use of nanozymes in antibacterial applications. Chemical Engineering Journal, 2021, 418, 129431.	6.6	140
413	Intelligent self-assembly prodrug micelles loading doxorubicin in response to tumor microenvironment for targeted tumors therapy. Chinese Journal of Chemical Engineering, 2021, 39, 219-227.	1.7	3
414	Dynamic nanoassemblies for imaging and therapy of neurological disorders. Advanced Drug Delivery Reviews, 2021, 175, 113832.	6.6	15
415	Dynamic nanoassembly-based drug delivery system (DNDDS): Learning from nature. Advanced Drug Delivery Reviews, 2021, 175, 113830.	6.6	17
416	Sensitization of nontoxic MOF for their potential drug delivery application against microbial infection. Inorganica Chimica Acta, 2021, 523, 120381.	1.2	50
417	Titania/iron oxide nanoplatform operates as hydrogen peroxide enriched vector for amplification of fenton catalytic efficiency in cancer theranostics. Chemical Engineering Journal, 2021, 418, 129381.	6.6	6



#	ARTICLE	IF	CITATIONS
418	Sonoporation-Enhanced Delivery of STING Agonist Induced Robust Immune Modulation and Tumor Regression. <i>Advanced Therapeutics</i> , 2021, 4, 2100154.	1.6	3
419	Triple-Jump Photodynamic Theranostics: MnO <sub>2</sub> Combined Upconversion Nanoplateforms Involving a Type-I Photosensitizer with Aggregation-Induced Emission Characteristics for Potent Cancer Treatment. <i>Advanced Materials</i> , 2021, 33, e2103748.	11.1	87
420	NIR-II reinforced intracellular cyclic reaction to enhance chemodynamic therapy with abundant H <sub>2</sub> O <sub>2</sub> supply. <i>Biomaterials</i> , 2021, 275, 120962.	5.7	38
421	Polydopamine nanoparticles as dual-task platform for osteoarthritis therapy: A scavenger for reactive oxygen species and regulator for cellular powerhouses. <i>Chemical Engineering Journal</i> , 2021, 417, 129284.	6.6	38
422	Oxygen Vacancy-Driven Reversible Free Radical Catalysis for Environment-Adaptive Cancer Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2021, 133, 21111-21119.	1.6	3
423	High-performance SOD mimetic enzyme Au@Ce for arresting cell cycle and proliferation of acute myeloid leukemia. <i>Bioactive Materials</i> , 2022, 10, 117-130.	8.6	21
424	An Injectable Hydrogel for Simultaneous Photothermal Therapy and Photodynamic Therapy with Ultrahigh Efficiency Based on Carbon Dots and Modified Cellulose Nanocrystals. <i>Advanced Functional Materials</i> , 2021, 31, 2106079.	7.8	69
425	Palladium Hydride Nanopocket Cubes and Their H <sub>2</sub> -Therapy Function in Amplifying Inhibition of Foam Cells to Attenuate Atherosclerosis. <i>Advanced Functional Materials</i> , 2021, 31, 2104892.	7.8	13
426	Surface charge-dependent mitochondrial response to similar intracellular nanoparticle contents at sublethal dosages. <i>Particle and Fibre Toxicology</i> , 2021, 18, 36.	2.8	11
427	AI-Egen-loaded nanofibrous membrane as photodynamic/photothermal antimicrobial surface for sunlight-triggered bioprotection. <i>Biomaterials</i> , 2021, 276, 121007.	5.7	53
428	Calcium Peroxide-Based Nanosystem with Cancer Microenvironment-Activated Capabilities for Imaging Guided Combination Therapy <i>via</i> Mitochondrial Ca <sup>2+</sup> Overload and Chemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 44096-44107.	4.0	38
429	Rodlike Particles of Polydopamine-CdTe Quantum Dots: An Actuator As a Photothermal Agent and Reactive Oxygen Species-Generating Nanoplateform for Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42357-42369.	4.0	7
430	Recent Strategies to Develop Innovative Photosensitizers for Enhanced Photodynamic Therapy. <i>Chemical Reviews</i> , 2021, 121, 13454-13619.	23.0	657
431	Metal-Organic Framework-Based Nanoagents for Effective Tumor Therapy by Dual Dynamics-Amplified Oxidative Stress. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45201-45213.	4.0	43
432	Supramolecular self-assembled DNA nanosystem for synergistic chemical and gene regulations on cancer cells. <i>Angewandte Chemie</i> , 0, , .	1.6	0
433	Cu-doped cerium oxide-based nanomedicine for tumor microenvironment-stimulative chemo-chemodynamic therapy with minimal side effects. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111878.	2.5	28
434	Nanoparticle-Mediated Inhibition of Mitochondrial Glutaminolysis to Amplify Oxidative Stress for Combination Cancer Therapy. <i>Nano Letters</i> , 2021, 21, 7569-7578.	4.5	37
435	Metal peroxides for cancer treatment. <i>Bioactive Materials</i> , 2021, 6, 2698-2710.	8.6	46

#	ARTICLE	IF	CITATIONS
436	Nanotherapies for sepsis by regulating inflammatory signals and reactive oxygen and nitrogen species: New insight for treating COVID-19. <i>Redox Biology</i> , 2021, 45, 102046.	3.9	52
437	Drug delivery carriers with therapeutic functions. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113884.	6.6	32
438	Reinventing MoS <sub>2</sub> Co-catalytic Fenton reaction: Oxygen-incorporation mediating surface superoxide radical generation. <i>Nano Research</i> , 2022, 15, 1973-1982.	5.8	36
439	A Robust ROS Generation Strategy for Enhanced Chemodynamic/Photodynamic Therapy via H <sub>2</sub> O <sub>2</sub> /O <sub>2</sub> Self-Supply and Ca <sup>2+</sup> Overloading. <i>Advanced Functional Materials</i> , 2021, 31, 2106106.	7.8	75
440	Enzyme Mimics for Engineered Biomimetic Cascade Nanoreactors: Mechanism, Applications, and Prospects. <i>Advanced Functional Materials</i> , 2021, 31, 2106139.	7.8	82
441	Polymer-Based Therapeutic Nanoagents for Photothermal-Enhanced Combination Cancer Therapy. <i>Small Structures</i> , 2021, 2, 2100110.	6.9	35
442	Supramolecular Self-Assembled DNA Nanosystem for Synergistic Chemical and Gene Regulations on Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25557-25566.	7.2	36
443	Carrier Free Photodynamic Synergists for Oxidative Damage Amplified Tumor Therapy. <i>Small</i> , 2021, 17, e2102470.	5.2	33
444	Smart nanocarriers as therapeutic platforms for bladder cancer. <i>Nano Research</i> , 2022, 15, 2157-2176.	5.8	7
445	Biomimetic Cascade Polymer Nanoreactors for Starvation and Photodynamic Cancer Therapy. <i>Molecules</i> , 2021, 26, 5609.	1.7	9
446	Nanomaterials meet microfluidics: Improved analytical methods and high-throughput synthetic approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 142, 116309.	5.8	16
447	Ultrasmall Zwitterionic Polypeptide-Coordinated Nanohybrids for Highly Efficient Cancer Photothermal Ferrotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 44002-44012.	4.0	13
448	Cytotoxicity as a Fundamental Response to Xenobiotics. , 0, , .		1
449	Mechanism of Nitrogen-Doped Ti <sub>3</sub> C <sub>2</sub> Quantum Dots for Free-Radical Scavenging and the Ultrasensitive H <sub>2</sub> O <sub>2</sub> Detection Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42442-42450.	4.0	30
450	A glutathione-responsive polyphenol - Constructed nanodevice for double roles in apoptosis and ferroptosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111902.	2.5	12
451	Light-Driven Micromotors to Dissociate Protein Aggregates That Cause Neurodegenerative Diseases. <i>Advanced Functional Materials</i> , 2022, 32, 2106699.	7.8	29
452	Ultrasound-activated Au/ZnO-based Trojan nanogenerators for combined targeted electro-stimulation and enhanced catalytic therapy of tumor. <i>Nano Energy</i> , 2021, 87, 106208.	8.2	41
453	Glioblastoma multiforme (GBM): An overview of current therapies and mechanisms of resistance. <i>Pharmacological Research</i> , 2021, 171, 105780.	3.1	196

#	ARTICLE	IF	CITATIONS
454	Unraveling the Photodynamic Activity of Cationic Benzoporphyrin-Based Photosensitizers against Bladder Cancer Cells. <i>Molecules</i> , 2021, 26, 5312.	1.7	3
455	Injectable biomimetic hydrogels encapsulating Gold/metal-organic frameworks nanocomposites for enhanced antibacterial and wound healing activity under visible light actuation. <i>Chemical Engineering Journal</i> , 2021, 420, 129668.	6.6	64
456	Integrating transcriptomics and behavior tests reveals how the <i>C. elegans</i> responds to copper induced aging. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112494.	2.9	16
457	Chemotherapy-enabled/augmented cascade catalytic tumor-oxidative nanotherapy. <i>Biomaterials</i> , 2021, 277, 121071.	5.7	51
458	Photodynamic therapy: When van der Waals heterojunction meets tumor. <i>Chemical Engineering Journal</i> , 2021, 421, 129773.	6.6	9
459	Reactive oxygen species-activatable self-amplifying Watson-Crick base pairing-inspired supramolecular nanoprodrug for tumor-specific therapy. <i>Biomaterials</i> , 2021, 277, 121128.	5.7	21
460	Betulinic acid in the treatment of tumour diseases: Application and research progress. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111990.	2.5	50
461	Amphiphilic methoxy poly(ethylene glycol)-b-poly(carbonate-selenide) with enhanced ROS responsiveness: Facile synthesis and oxidation process. <i>European Polymer Journal</i> , 2021, 159, 110752.	2.6	7
462	AIE-featured tetraphenylethylene nanoarchitectures in biomedical application: Bioimaging, drug delivery and disease treatment. <i>Coordination Chemistry Reviews</i> , 2021, 447, 214135.	9.5	59
463	Redox-dependent cytotoxicity of ferrocene derivatives and ROS-activated prodrugs based on ferrocenyliminoboronates. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111561.	1.5	6
464	Biodegradable iron-doped ZIF-8 based nanotherapeutic system with synergistic chemodynamic/photothermal/chemo-therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127388.	2.3	14
465	Photoactivatable nanogenerators of reactive species for cancer therapy. <i>Bioactive Materials</i> , 2021, 6, 4301-4318.	8.6	14
466	Molecular characterization and functional analysis of peroxiredoxin 4 in grass carp ( <i>Ctenopharyngodon idella</i> ). <i>Developmental and Comparative Immunology</i> , 2021, 125, 104213.	1.0	4
467	ROS generation/scavenging modulation of carbon dots as phototherapeutic candidates and peroxidase mimetics to integrate with polydopamine nanoparticles/GOx towards cooperative cancer therapy. <i>Composites Part B: Engineering</i> , 2021, 226, 109364.	5.9	36
468	Nanozymes: Activity origin, catalytic mechanism, and biological application. <i>Coordination Chemistry Reviews</i> , 2021, 448, 214170.	9.5	136
469	Chemically and temporally resolved oxidative potential of urban fine particulate matter. <i>Environmental Pollution</i> , 2021, 291, 118206.	3.7	10
470	Recent advances in Cu(II)/Cu(I)-MOFs based nano-platforms for developing new nano-medicines. <i>Journal of Inorganic Biochemistry</i> , 2021, 225, 111599.	1.5	36
471	Nanomaterials and Aging. <i>Current Stem Cell Research and Therapy</i> , 2021, 16, 57-65.	0.6	7

#	ARTICLE	IF	CITATIONS
472	CeO <sub>2</sub> QDs anchored on MnO <sub>2</sub> nanoflowers with multiple synergistic effects for amplified tumour therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112103.	2.5	14
473	Enhanced photocatalytic antibacterial and degradation performance by p-n-p type CoFe <sub>2</sub> O <sub>4</sub> /CoFe <sub>2</sub> S <sub>4</sub> /MgBi <sub>2</sub> O <sub>6</sub> photocatalyst under visible light irradiation. <i>Chemical Engineering Journal</i> , 2022, 429, 132270.	6.6	17
474	Reactive oxygen species-based nanomaterials for the treatment of myocardial ischemia reperfusion injuries. <i>Bioactive Materials</i> , 2022, 7, 47-72.	8.6	136
475	A novel route to size-controlled MIL-53(Fe) metal-organic frameworks for combined chemodynamic therapy and chemotherapy for cancer. <i>RSC Advances</i> , 2021, 11, 10540-10547.	1.7	24
476	Iron-based nanoparticles for MR imaging-guided ferroptosis in combination with photodynamic therapy to enhance cancer treatment. <i>Nanoscale</i> , 2021, 13, 4855-4870.	2.8	88
477	A bifunctional mitochondrial targeting AIE-active fluorescent probe with high sensitivity to hydrogen peroxide and viscosity for fatty liver diagnosis. <i>New Journal of Chemistry</i> , 2021, 45, 12138-12144.	1.4	13
478	Correction: Single nanosheet can sustainably generate oxygen and inhibit respiration simultaneously in cancer cells. <i>Materials Horizons</i> , 2021, 8, 645-645.	6.4	5
479	A ROS scavenging protein nanocage for <i>in vitro</i> and <i>in vivo</i> antioxidant treatment. <i>Nanoscale</i> , 2021, 13, 4634-4643.	2.8	7
480	Recent progress of redox-responsive polymeric nanomaterials for controlled release. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2179-2188.	2.9	45
481	Inorganic nanomaterials with rapid clearance for biomedical applications. <i>Chemical Society Reviews</i> , 2021, 50, 8669-8742.	18.7	259
482	A lysosomal targeted NIR photosensitizer for photodynamic therapy and two-photon fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1009-1017.	2.9	16
483	Engineering nanomedicine for glutathione depletion-augmented cancer therapy. <i>Chemical Society Reviews</i> , 2021, 50, 6013-6041.	18.7	342
484	Piezo-photocatalytic effect mediating reactive oxygen species burst for cancer catalytic therapy. <i>Materials Horizons</i> , 2021, 8, 2273-2285.	6.4	38
485	Cancer theranostic platforms based on injectable polymer hydrogels. <i>Biomaterials Science</i> , 2021, 9, 3543-3575.	2.6	16
486	Hydroxyl radical-mediated oxidative cleavage of C=C bonds and further esterification reaction by heterogeneous semiconductor photocatalysis. <i>Green Chemistry</i> , 2021, 23, 6591-6597.	4.6	18
487	Recent advances in nanotherapeutics for the treatment of burn wounds. <i>Burns and Trauma</i> , 2021, 9, tkab026.	2.3	24
488	Reactive Oxygenated Species Generated on Iodide-Doped BiVO <sub>4</sub> /BaTiO <sub>3</sub> Heterostructures with Ag/Cu Nanoparticles by Coupled Piezophototronic Effect and Plasmonic Excitation. <i>Advanced Functional Materials</i> , 2021, 31, 2009594.	7.8	80
489	Gold nanoplates with superb photothermal efficiency and peroxidase-like activity for rapid and synergistic antibacterial therapy. <i>Chemical Communications</i> , 2021, 57, 1133-1136.	2.2	46

#	ARTICLE	IF	CITATIONS
490	Metal-Organic Framework Assisted and Tumor Microenvironment Modulated Synergistic Image-Guided Photo-Chemo Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 2002431.	7.8	67
491	Reactive Oxygen Species-Regulating Strategies Based on Nanomaterials for Disease Treatment. <i>Advanced Science</i> , 2021, 8, 2002797.	5.6	149
492	Dual-Functionalized Crescent Microgels for Selectively Capturing and Killing Cancer Cells. <i>Angewandte Chemie</i> , 2020, 132, 14180-14184.	1.6	2
493	Nanoparticles weaponized with built-in functions for imaging-guided cancer therapy. <i>View</i> , 2020, 1, e19.	2.7	35
494	Stimuli-Activatable nanomedicines for chemodynamic therapy of cancer. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1614.	3.3	53
495	Mesoporous silica decorated with platinum nanoparticles for drug delivery and synergistic electrodynamic-chemotherapy. <i>Nano Research</i> , 2020, 13, 2209-2215.	5.8	42
496	CdZnSeS quantum dots condensed with ordered mesoporous carbon for high-sensitive electrochemiluminescence detection of hydrogen peroxide in live cells. <i>Electrochimica Acta</i> , 2020, 362, 137107.	2.6	19
497	Mechanistic Investigation on Oxidative Degradation of ROS-Responsive Thioacetal/Thioacetal Moieties and Their Implications. <i>Cell Reports Physical Science</i> , 2020, 1, 100271.	2.8	40
498	Bilirubin Nanomedicines for the Treatment of Reactive Oxygen Species (ROS)-Mediated Diseases. <i>Molecular Pharmaceutics</i> , 2020, 17, 2260-2274.	2.3	43
499	The Role of Chloroquine and Hydroxychloroquine in Immune Regulation and Diseases. <i>Current Pharmaceutical Design</i> , 2020, 26, 4467-4485.	0.9	34
500	Synthesis and Antioxidant Activity of 2-Amino-5-R-1,3,4-Oxadiazoles with Hindered Phenol Fragments. <i>Chemistry Proceedings</i> , 2020, 3, .	0.1	1
501	An Insight into the Role of Non-Porphyrinoid Photosensitizers for Skin Wound Healing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 234.	1.8	11
502	Novozym 435-Catalyzed Synthesis of Well-Defined Hyperbranched Aliphatic Poly( $\beta$ -thioether ester). <i>Molecules</i> , 2020, 25, 687.	1.7	5
503	Hierarchical nanoclusters with programmed disassembly for mitochondria-targeted tumor therapy with MR imaging. <i>Biomaterials Science</i> , 2021, 9, 8189-8201.	2.6	7
504	Interfacial Assembly and Applications of Functional Mesoporous Materials. <i>Chemical Reviews</i> , 2021, 121, 14349-14429.	23.0	151
505	Facet-Dependent Biodegradable Mn <sub>3</sub> O <sub>4</sub> Nanoparticles for Ameliorating Parkinson's Disease. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101316.	3.9	23
506	Inflammatory, oxidative and DNA damage status in vegetarians: is the future of human diet green?. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3189-3221.	5.4	7
507	Alkoxy Radicals See the Light: New Paradigms of Photochemical Synthesis. <i>Chemical Reviews</i> , 2022, 122, 2429-2486.	23.0	182

#	ARTICLE	IF	CITATIONS
508	Recent antioxidative nanomaterials toward wound dressing and disease treatment via ROS scavenging. <i>Materials Today Nano</i> , 2022, 17, 100149.	2.3	21
509	Fe <sub>3</sub> O <sub>4</sub> /Ag/Bi <sub>2</sub> MoO <sub>6</sub> Photoactivatable Nanozyme for Self-Replenishing and Sustainable Cascaded Nanocatalytic Cancer Therapy. <i>Advanced Materials</i> , 2021, 33, e2106996.	11.1	134
510	Alendronate-Modified Nanoceria with Multiantioxidant Enzyme-Mimetic Activity for Reactive Oxygen Species/Reactive Nitrogen Species Scavenging from Cigarette Smoke. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47394-47406.	4.0	20
511	Tumor Diagnosis and Therapy Mediated by Metal Phosphorus-Based Nanomaterials. <i>Advanced Materials</i> , 2021, 33, e2103936.	11.1	31
512	Diatomaceous earth/zinc oxide micro-composite assisted antibiotics in fungal therapy. <i>Nano Convergence</i> , 2021, 8, 32.	6.3	7
513	Tumor microenvironment-responsive dynamic inorganic nanoassemblies for cancer imaging and treatment. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114004.	6.6	55
514	T Cell-Signaling-Responsive Conjugate of Antibody with siRNA to Overcome Acquired Resistance to anti-PD-1 Immunotherapy. <i>Advanced Therapeutics</i> , 2022, 5, 2100161.	1.6	6
515	Hydrogen peroxide electrochemical sensor based on gold nanoparticles modified with nitrogen-doped and nanoporated graphene nanozymes. <i>Functional Materials Letters</i> , 2022, 15, .	0.7	4
516	Nanozymes Regulate Redox Homeostasis in ROS-Related Inflammation. <i>Frontiers in Chemistry</i> , 2021, 9, 740607.	1.8	24
517	Molecular simulations of interfacial systems: challenges, applications and future perspectives. <i>Molecular Simulation</i> , 2023, 49, 1229-1266.	0.9	14
518	Magnetic-Optical Imaging for Monitoring Chemodynamic Therapy. <i>Chemical Research in Chinese Universities</i> , 0, , 1.	1.3	1
519	Recent Progress of Surface Modified Nanomaterials for Scavenging Reactive Oxygen Species in Organism. <i>Bioconjugate Chemistry</i> , 2021, 32, 2269-2289.	1.8	27
520	Ultrasound Triggered ZnO-Based Devices for Tunable and Multifaceted Biomedical Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101021.	1.9	6
521	Osteogenic and anti-tumor Cu and Mn-doped borosilicate nanoparticles for syncretic bone repair and chemodynamic therapy in bone tumor treatment. <i>Bioactive Materials</i> , 2022, 12, 1-15.	8.6	24
522	Achieving NIR Light-Mediated Tumor-Specific Fenton Reaction-Assisted Oncotherapy by Using Magnetic Nanoclusters. <i>Frontiers in Oncology</i> , 2021, 11, 777295.	1.3	1
523	Inhibition of Methamphetamine-Induced Cytotoxicity in the U87-Cell Line by Atorvastatin-Conjugated Carbon Nanotubes. <i>Applied Biochemistry and Biotechnology</i> , 2021, , 1.	1.4	2
524	Smart Textiles Based on MoS <sub>2</sub> Hollow Nanospheres for Personal Thermal Management. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 48988-48996.	4.0	30
525	Sonodynamic effect in A375 melanoma cells with chlorin e6 induced by 20 kHz ultrasound. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 045402.	1.3	0

#	ARTICLE	IF	CITATIONS
526	Endogenous Copper for Nanocatalytic Oxidative Damage and Self-Protection Pathway Breakage of Cancer. <i>ACS Nano</i> , 2021, 15, 16286-16297.	7.3	35
527	Metal-organic frameworks for the generation of reactive oxygen species. <i>Chemical Physics Reviews</i> , 2021, 2, .	2.6	7
528	Antimicrobial Activity of Nanomaterials: From Selection to Application. <i>Nanotechnology in the Life Sciences</i> , 2020, , 15-29.	0.4	0
529	Applying nanotechnology to boost cancer immunotherapy by promoting immunogenic cell death. <i>Chinese Chemical Letters</i> , 2022, 33, 1718-1728.	4.8	42
530	Fenton metal nanomedicines for imaging-guided combinatorial chemodynamic therapy against cancer. <i>Asian Journal of Pharmaceutical Sciences</i> , 2022, 17, 177-192.	4.3	21
531	Biomimic Binding Affinity Gradients Triggered GSH-Response of Core-Shell Nanoparticles for Cascade Chemo/Chemodynamic Therapy. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101634.	3.9	19
532	Molybdenum Diphosphide Nanorods with Laser-Potentiated Peroxidase Catalytic/Mild-Photothermal Therapy of Oral Cancer. <i>Advanced Science</i> , 2022, 9, e2101527.	5.6	18
533	Cucurbit-Like Polymersomes with Aggregation-Induced Emission Properties Show Enzyme-Mediated Motility. <i>ACS Nano</i> , 2021, 15, 18270-18278.	7.3	17
534	Green synthesis of cobalt and iron incorporated citric acid- $\beta$ -cyclodextrin composites: Efficient $H_2O_2$ scavengers. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6505.	1.7	6
535	Strategies for Inhibition and Disaggregation of Amyloid- $\beta$ Fibrillation. <i>Chinese Journal of Chemistry</i> , 0, , .	2.6	3
536	Vision redemption: Self-reporting AIEgens for combined treatment of bacterial keratitis. <i>Biomaterials</i> , 2021, 279, 121227.	5.7	15
537	Dendrimer Porphyrins: Applications in Nanomedicine. <i>Current Organic Chemistry</i> , 2020, 24, 2801-2822.	0.9	2
538	Cracking the immune fingerprint of metal-organic frameworks. <i>Chemical Science</i> , 2022, 13, 934-944.	3.7	16
539	Plasmonic $O_2$ dissociation and spillover expedite selective oxidation of primary C-H bonds. <i>Chemical Science</i> , 2021, 12, 15308-15317.	3.7	8
540	Recent advances in Metal-Organic Frameworks-based materials for photocatalytic selective oxidation. <i>Coordination Chemistry Reviews</i> , 2022, 450, 214240.	9.5	93
541	Recent advances on endogenous/exogenous stimuli-triggered nanoplatforms for enhanced chemodynamic therapy. <i>Coordination Chemistry Reviews</i> , 2022, 451, 214267.	9.5	89
542	Self-Remedied Nanomedicine for Surmounting the Achilles-Heel of Photodynamic Tumor Therapy. <i>ACS Applied Bio Materials</i> , 2021, 4, 8023-8032.	2.3	7
543	Self-Delivery Nanomedicine for Glutamine-Starvation Enhanced Photodynamic Tumor Therapy. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102038.	3.9	19

#	ARTICLE	IF	CITATIONS
544	Water-Soluble Nanoparticles with Twisted Double [7]Carbohelicene for Lysosome-Targeted Cancer Photodynamic Therapy. <i>Small</i> , 2022, 18, e2105365.	5.2	15
545	Near-infrared responsive sulfur vacancy-rich CuS nanosheets for efficient antibacterial activity via synergistic photothermal and photodynamic pathways. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2896-2906.	5.0	43
546	Nanotechnologies for Reactive Oxygen Species Turn-On Detection. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 780032.	2.0	9
547	Nanomedicine for the Diagnosis and Therapy of COVID-19. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 758121.	2.0	2
548	Chemodynamic Therapy via Fenton and Fenton-Like Nanomaterials: Strategies and Recent Advances. <i>Small</i> , 2022, 18, e2103868.	5.2	248
549	Nanocatalyst-Mediated Chemodynamic Tumor Therapy. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101971.	3.9	108
550	A responsive microneedle system for efficient anti-melanoma by combining self-enhanced chemodynamic therapy with photothermal therapy. <i>Chemical Engineering Journal</i> , 2022, 431, 133466.	6.6	19
551	Modeling study of the indirect treatment of phosphate buffered saline in surface air plasma. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 065203.	1.3	10
552	A hydrogen peroxide economizer for on-demand oxygen production-assisted robust sonodynamic immunotherapy. <i>Theranostics</i> , 2022, 12, 59-75.	4.6	40
553	Glutathione-responsive copper-disulfiram nanoparticles for enhanced tumor chemotherapy. <i>Journal of Controlled Release</i> , 2022, 341, 351-363.	4.8	23
554	Combating the hypoxia limit of photodynamic therapy through reversing the survival-related pathways of cancer cells. <i>Coordination Chemistry Reviews</i> , 2022, 452, 214306.	9.5	13
555	Ligand Engineering of Titanium-Oxo Nanoclusters for Cerenkov Radiation-Reinforced Photo/Chemodynamic Tumor Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54727-54738.	4.0	16
556	Advances in fluorescence sensing enabled by lanthanide-doped upconversion nanophosphors. <i>Advances in Colloid and Interface Science</i> , 2022, 300, 102579.	7.0	30
557	Modulation of Oxidative Stress in Cancer Cells with a Biomineralized Converter. , 2021, 3, 1778-1785.		3
558	One-Pot Synthesis of Multifunctional Carbon-Based Nanoparticle-Supported Dispersed Cu <sup>2+</sup> Disrupts Redox Homeostasis to Enhance CDT. <i>Angewandte Chemie</i> , 2022, 134, e202114373.	1.6	2
559	Marriage of membrane filtration and sulfate radical-advanced oxidation processes (SR-AOPs) for water purification: Current developments, challenges and prospects. <i>Chemical Engineering Journal</i> , 2022, 433, 133802.	6.6	39
560	Insights Into the Detection Selectivity of Redox and Non-redox Based Probes for the Superoxide Anion Using Coumarin and Chromone as the Fluorophores. <i>Frontiers in Chemistry</i> , 2021, 9, 753621.	1.8	0
561	Acidic TME-Responsive Nano-Bi <sub>2</sub> Se <sub>3</sub> @MnCaP as a NIR-Triggered Free Radical Generator for Hypoxia-Irrelevant Phototherapy with High Specificity and Immunogenicity. <i>Small</i> , 2022, 18, e2104302.	5.2	19



#	ARTICLE	IF	CITATIONS
562	Nitrogen-Doped Ti <sub>2</sub> C MXene Quantum Dots as Antioxidants. <i>ACS Applied Nano Materials</i> , 2021, 4, 12308-12315.	2.4	24
563	A Nanohook-Equipped Bionanocatalyst for Localized Near-Infrared-Enhanced Catalytic Bacterial Disinfection. <i>Angewandte Chemie</i> , 2022, 134, e202113833.	1.6	9
564	Study of Tissue-Specific Reactive Oxygen Species Formation by Cell Membrane Microarrays for the Characterization of Bioactive Compounds. <i>Membranes</i> , 2021, 11, 943.	1.4	6
565	A Luminol-Based Self-Illuminating Nanocage as a Reactive Oxygen Species Amplifier to Enhance Deep Tumor Penetration and Synergistic Therapy. <i>ACS Nano</i> , 2021, 15, 19394-19408.	7.3	32
566	ROS-Based Nanoparticles for Atherosclerosis Treatment. <i>Materials</i> , 2021, 14, 6921.	1.3	6
567	Quaternized carbon quantum dots with broad-spectrum antibacterial activity for the treatment of wounds infected with mixed bacteria. <i>Acta Biomaterialia</i> , 2022, 138, 528-544.	4.1	70
568	Hybrid Carbon Dot Assembly as a Reactive Oxygen Species Nanogenerator for Ultrasound-Assisted Tumor Ablation. <i>Jacs Au</i> , 2021, 1, 2328-2338.	3.6	14
569	Antitumor Effects of Ir(III)-2 <i>H</i> -Indazole Complexes for Triple Negative Breast Cancer. <i>Inorganic Chemistry</i> , 2021, 60, 17593-17607.	1.9	23
570	Co-delivery of enzymes and photosensitizers via metal-phenolic network capsules for enhanced photodynamic therapy. <i>Chinese Chemical Letters</i> , 2022, 33, 1917-1922.	4.8	24
571	Antimicrobial Resistance and Inorganic Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12890.	1.8	32
572	One-Pot Synthesis of Multifunctional Carbon-Based Nanoparticle-Supported Dispersed Cu <sup>2+</sup> Disrupts Redox Homeostasis to Enhance CDT. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114373.	7.2	37
573	In vivo photodynamic therapy based on Near-Infrared AIE cationic polymers. <i>Chemical Engineering Journal</i> , 2022, 431, 133748.	6.6	14
574	Applications of Photoredox Catalysis for the Radical-Induced Cleavage of C-C Bonds. <i>Synthesis</i> , 2022, 54, 3383-3398.	1.2	14
575	Near-Infrared II Plasmonic Phototheranostics with Glutathione Depletion for Multimodal Imaging-Guided Hypoxia-Tolerant Chemodynamic-Photocatalytic-Photothermal Cancer Therapy Triggered by a Single Laser. <i>Small</i> , 2022, 18, e2105638.	5.2	30
576	A Nanohook-Equipped Bionanocatalyst for Localized Near-Infrared-Enhanced Catalytic Bacterial Disinfection. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	38
577	FC-BBR/IND-induced glucose oxidase nanodrugs for targeted combination therapy. <i>International Journal of Pharmaceutics</i> , 2022, 611, 121349.	2.6	4
578	Progress and Perspective on Carbon-Based Nanozymes for Peroxidase-like Applications. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11751-11760.	2.1	46
579	Ultra-Sensitive Iron-Doped Palladium Nanocrystals with Enhanced Hydroxyl Radical Generation for Chemo-Photodynamic Nanotherapy. <i>Advanced Functional Materials</i> , 2022, 32, 2107518.	7.8	22

#	ARTICLE	IF	CITATIONS
580	Understanding ROS Induced DNA Damage for Therapeutics. , 2021, , 1-22.		0
581	Recent advances in polysaccharides from edible and medicinal Polygonati rhizoma: From bench to market. International Journal of Biological Macromolecules, 2022, 195, 102-116.	3.6	34
582	Dual enzyme-mimic nanozyme based on single-atom construction strategy for photothermal-augmented nanocatalytic therapy in the second near-infrared biowindow. Biomaterials, 2022, 281, 121325.	5.7	66
583	Design, synthesis and biological evaluation of novel 1,3,4,9-tetrahydropyrano[3,4-b]indoles as potential treatment of triple negative breast cancer by suppressing PI3K/AKT/mTOR pathway. Bioorganic and Medicinal Chemistry, 2022, 55, 116594.	1.4	8
584	Rheumatoid arthritis microenvironment insights into treatment effect of nanomaterials. Nano Today, 2022, 42, 101358.	6.2	71
585	Carbon nitride nanomaterials with application in photothermal and photodynamic therapies. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102683.	1.3	10
586	Activity-based fluorescence probes for pathophysiological peroxynitrite fluxes. Coordination Chemistry Reviews, 2022, 454, 214356.	9.5	72
587	Carbon dots as nanocatalytic medicine for anti-inflammation therapy. Journal of Colloid and Interface Science, 2022, 611, 545-553.	5.0	49
588	Self-delivery nanomedicine for vascular disruption-supplemented chemo-photodynamic tumor therapy. Journal of Colloid and Interface Science, 2022, 612, 562-571.	5.0	11
589	Ambient-Illumination Facilitated Antibacterial Activity of Large-Size Silicon with Light-Trapping Micron-Pyramids and p-n Junction. SSRN Electronic Journal, 0, , .	0.4	0
590	The Current Status of Chlorin e6-Based Nanoscale Delivery Systems for Cancer Therapy. Oncologie, 2021, 23, 515-531.	0.2	1
591	Gold Nanoclusters Exert Bactericidal Activity and Enhance Phagocytosis of Macrophage Mediated Killing of Fusobacterium nucleatum. Frontiers in Materials, 2021, 8, .	1.2	1
592	Insight into the thermodynamic and catalytic features of NiSOD related metalloptides. Advances in Inorganic Chemistry, 2022, , .	0.4	0
593	Oxygen-Carrying Biomimetic Nanoplatfor for Sonodynamic Killing of Bacteria and Treatment of Infection Diseases. SSRN Electronic Journal, 0, , .	0.4	0
594	Gold Nanorods with Spatial Separation of CeO <sub>2</sub> Deposition for Plasmonic-Enhanced Antioxidant Stress and Photothermal Therapy of Alzheimer's Disease. ACS Applied Materials & Interfaces, 2022, 14, 3662-3674.	4.0	40
595	Lignin-Based CdS Dots as Multifunctional Platforms for Sensing and Wearable Photodynamic Coatings. ACS Applied Nano Materials, 2022, 5, 2748-2761.	2.4	12
596	A cerium oxide-based nanomedicine for pH-triggered chemodynamic/chemo combination therapy. Journal of Materials Chemistry B, 2022, 10, 1403-1409.	2.9	3
597	Hollow Mesoporous Manganese Oxides: Application in Cancer Diagnosis and Therapy. Small, 2022, 18, e2106511.	5.2	29

#	ARTICLE	IF	CITATIONS
598	Self-Delivery Ternary Bioregulators for Photodynamic Amplified Immunotherapy by Tumor Microenvironment Reprogramming. <i>ACS Nano</i> , 2022, 16, 1182-1197.	7.3	39
599	Nanoparticle delivery of a triple-action Pt( <sup>IV</sup> ) prodrug to overcome cisplatin resistance <i>via</i> synergistic effect. <i>Biomaterials Science</i> , 2021, 10, 153-157.	2.6	6
600	Silica-Supported Assemblage of Cull Ions with Carbon Dots for Self-Boosting and Glutathione-Induced ROS Generation. <i>Coatings</i> , 2022, 12, 97.	1.2	9
601	Recent Developments in ROS-Based Nanotherapeutic Modalities in Preclinical Cancer Treatment. , 2022, , 1-18.		0
602	Levistolide A Inhibits PEDV Replication via Inducing ROS Generation. <i>Viruses</i> , 2022, 14, 258.	1.5	3
603	Atomically Precise Water-Soluble Graphene Quantum Dot for Cancer Sonodynamic Therapy. <i>Advanced Science</i> , 2022, 9, e21105034.	5.6	22
604	Multifunctional MnO <sub>2</sub> /Ag <sub>3</sub> SbS <sub>3</sub> Nanotheranostic Agent for Single-Laser-Triggered Tumor Synergistic Therapy in the NIR-II Biowindow. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4980-4994.	4.0	36
605	Rational design of stable heptamethine cyanines and development of a biomarker-activatable probe for detecting acute lung/kidney injuries <i>via</i> NIR-II fluorescence imaging. <i>Analyst</i> , The, 2022, 147, 410-416.	1.7	13
606	Recent Advances in <i>KEAP1/NRF2</i> -Targeting Strategies by Phytochemical Antioxidants, Nanoparticles, and Biocompatible Scaffolds for the Treatment of Diabetic Cardiovascular Complications. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 707-728.	2.5	12
607	Plasma technology in antimicrobial surface engineering. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	15
608	Magnetic Nanostructures: Rational Design and Fabrication Strategies toward Diverse Applications. <i>Chemical Reviews</i> , 2022, 122, 5411-5475.	23.0	49
609	Understanding ROS-Induced DNA Damage for Therapeutics. , 2022, , 897-918.		1
610	Conjugated Oligomer-Directed Formation of Hollow Nanoparticles for Targeted Photokilling Cancer Cells under Hypoxia. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	9
611	La( <sup>III</sup> )-curcumin-functionalized gold nanocomposite as a red light-activatable mitochondria-targeting PDT agent. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 686-701.	3.0	8
612	Anti-VEGFR2-labeled enzyme-immobilized metal-organic frameworks for tumor vasculature targeted catalytic therapy. <i>Acta Biomaterialia</i> , 2022, 141, 364-373.	4.1	10
613	A Circular Dichroism and Photoacoustic Dual-Mode Probe for Detection <i>In Vitro</i> and Imaging <i>In Vivo</i> of Hydroxyl Radicals. <i>Analytical Chemistry</i> , 2022, 94, 2453-2464.	3.2	12
614	Nanoscale Metal-Organic Frameworks and Their Nanomedicine Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 834171.	1.8	15
615	A Review on the Design of Hydrogels With Different Stiffness and Their Effects on Tissue Repair. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 817391.	2.0	38

#	ARTICLE	IF	CITATIONS
616	Recent advances of cancer chemodynamic therapy based on Fenton/Fenton-like chemistry. <i>Chemical Science</i> , 2022, 13, 863-889.	3.7	116
617	Photosensitizers with Aggregation-induced Emission and Their Biomedical Applications. <i>Engineered Regeneration</i> , 2022, , .	3.0	8
618	Pulmonary Delivery of Theranostic Nanoclusters for Lung Cancer Ferroptosis with Enhanced Chemodynamic/Radiation Synergistic Therapy. <i>Nano Letters</i> , 2022, 22, 963-972.	4.5	50
619	Simultaneous Detection of Hypochlorite and Singlet Oxygen by a Thiocoumarin-Based Ratiometric Fluorescent Probe. <i>ACS Measurement Science Au</i> , 2022, 2, 219-223.	1.9	9
620	Tumor Microenvironment Responsive Single-Atom Nanozymes for Enhanced Antitumor Therapy. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	14
621	Guiding Transition Metal-Doped Hollow Cerium Tandem Nanozymes with Elaborately Regulated Multi-Enzymatic Activities for Intensive Chemodynamic Therapy. <i>Advanced Materials</i> , 2022, 34, e2107054.	11.1	150
622	Stimuli-responsive nanogels as promising carriers for controlled delivery of anticancer therapeutics. , 2022, , 429-450.		2
623	Recent advances in multifunctional nanomaterials for photothermal-enhanced Fenton-based chemodynamic tumor therapy. <i>Materials Today Bio</i> , 2022, 13, 100197.	2.6	45
624	2,7-Dichlorofluorescein: Biological, Analytical, and Industrial Progress. <i>Mini-Reviews in Organic Chemistry</i> , 2022, 19, 708-716.	0.6	1
625	Organoantimony (III) Derivative Induces Necroptosis in Human Breast Cancer MDA-MB-231 Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 2448-2457.	0.9	2
626	Bimetal metal-organic framework domino micro-reactor for synergistic antibacterial starvation/chemodynamic therapy and robust wound healing. <i>Nanoscale</i> , 2022, 14, 2052-2064.	2.8	25
627	Detection of singlet oxygen by EPR: The instability of the nitroxyl radicals. <i>Free Radical Biology and Medicine</i> , 2022, 180, 143-152.	1.3	13
628	Supramolecular Nanomedicines of In-Situ Self-Assembling Peptides. <i>Frontiers in Chemistry</i> , 2022, 10, 815551.	1.8	3
629	ROS-Sensitive Polymer Micelles for Selective Degradation in Primary Human Monocytes from Patients with Active IBD. <i>Macromolecular Bioscience</i> , 2022, 22, e2100482.	2.1	8
630	Synthesis, structure and photochemical properties of asymmetric NMe <sub>2</sub> -bearing aza-BODIPYs as novel photothermal agents. <i>Dyes and Pigments</i> , 2022, 199, 110092.	2.0	11
631	Multifunctional elastomer cardiac patches for preventing left ventricle remodeling after myocardial infarction in vivo. <i>Biomaterials</i> , 2022, 282, 121382.	5.7	34
632	Fabrication of hexagonal boron carbonitride nanoplates using for in vitro photodynamic therapy and chemo therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112377.	2.5	2
633	Supramolecular semiquinone radicals confined with DNAzymes for dissipative ROS generation and therapy. <i>Nano Today</i> , 2022, 43, 101402.	6.2	9

#	ARTICLE	IF	CITATIONS
634	Orchestrated tumor apoptosis (Cu <sup>2+</sup> ) and bone tissue calcification (Ca <sup>2+</sup> ) by hierarchical Copper/Calcium-ensembled bioactive silica for osteosarcoma therapy. <i>Chemical Engineering Journal</i> , 2022, 435, 134820.	6.6	17
635	Copper-based polymer-metal-organic framework embedded with Ag nanoparticles: Long-acting and intelligent antibacterial activity and accelerated wound healing. <i>Chemical Engineering Journal</i> , 2022, 435, 134915.	6.6	55
636	Why natural antioxidants are readily recognized by biological systems? 3D architecture plays a role!. <i>Food Chemistry</i> , 2022, 380, 132143.	4.2	16
637	Long non-coding RNA TUG1 sponges microRNA <sup>9</sup> to protect podocytes from high glucose-induced apoptosis and mitochondrial dysfunction via SIRT1 upregulation. <i>Experimental and Therapeutic Medicine</i> , 2022, 23, 236.	0.8	3
638	A biocompatible photosensitizer with a high intersystem crossing efficiency for precise two-photon photodynamic therapy. <i>Materials Horizons</i> , 2022, 9, 1283-1292.	6.4	20
639	Harnessing reactive oxygen/nitrogen species and inflammation: Nanodrugs for liver injury. <i>Materials Today Bio</i> , 2022, 13, 100215.	2.6	29
640	A carrier free photodynamic oxidizer for enhanced tumor therapy by redox homeostasis disruption. <i>Biomaterials Science</i> , 2022, 10, 1575-1581.	2.6	11
641	Overtuned Loading of Inert CeO <sub>2</sub> to Active Co <sub>3</sub> O <sub>4</sub> for Unusually Improved Catalytic Activity in Fenton-Like Reactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	70
642	Enhancing Tumor Catalytic Therapy by Co-Catalysis. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	11
643	Overtuned Loading of Inert CeO <sub>2</sub> to Active Co <sub>3</sub> O <sub>4</sub> for Unusually Improved Catalytic Activity in Fenton-Like Reactions. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
644	Transformable Gallium-Based Liquid Metal Nanoparticles for Tumor Radiotherapy Sensitization. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102584.	3.9	19
645	Antibacterial activity study of ZnO incorporated biodegradable poly (lactic acid) films for food packaging applications. <i>Polymer Bulletin</i> , 2023, 80, 1369-1384.	1.7	10
646	Nanotechnology Toolkit for Combating COVID-19 and Beyond. <i>ChemNanoMat</i> , 2022, 8, e202100505.	1.5	7
647	Enhancing Tumor Catalytic Therapy by Co-Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	51
648	Peptide-based supramolecular photodynamic therapy systems: From rational molecular design to effective cancer treatment. <i>Chemical Engineering Journal</i> , 2022, 436, 135240.	6.6	15
649	Biomarker-activatable probes based on smart AIEgens for fluorescence and optoacoustic imaging. <i>Coordination Chemistry Reviews</i> , 2022, 458, 214438.	9.5	62
650	Stimuli-Responsive Nanoparticles for Controlled Drug Delivery in Synergistic Cancer Immunotherapy. <i>Advanced Science</i> , 2022, 9, e2103444.	5.6	102
651	A core-shell Au@Cu <sub>2-x</sub> Se heterogeneous metal nanocomposite for photoacoustic and computed tomography dual-imaging-guided photothermal boosted chemodynamic therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 410.	4.2	19

#	ARTICLE	IF	CITATIONS
652	A multifunctional AIE gold cluster-based theranostic system: tumor-targeted imaging and Fenton reaction-assisted enhanced radiotherapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 438.	4.2	15
653	Spatiotemporal Sonodynamic Therapy for the Treatment of Rheumatoid Arthritis Based on Z-Scheme Heterostructure Sonosensitizer of Ho-1 Inhibitor Jointed Bismuth Nanotriangle. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
654	Hydrogel Microreactor Integrated Double Cascade Reactions for Synergistic Bacterial Inactivation and Wound Disinfection. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
655	Intelligent design of iron-doped LDH nanosheets for cooperative chemo-chemodynamic therapy of tumors. <i>Biomaterials Science</i> , 2022, 10, 2029-2039.	2.6	10
656	Stimuli-responsive cyclodextrin-based supramolecular assemblies as drug carriers. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2077-2096.	2.9	33
657	Metallo drugs in cancer nanomedicine. <i>Chemical Society Reviews</i> , 2022, 51, 2544-2582.	18.7	70
658	Ti <sub>3</sub> C <sub>2</sub> nanosheets with broad-spectrum antioxidant activity for cytoprotection against oxidative stress. <i>RSC Advances</i> , 2022, 12, 11128-11138.	1.7	12
659	Carrier-free nanomedicine for enhanced photodynamic tumor therapy through glutathione S-transferase inhibition. <i>Chemical Communications</i> , 2022, 58, 3917-3920.	2.2	6
660	Recent trends and advances in polyindole-based nanocomposites as potential antimicrobial agents: a mini review. <i>RSC Advances</i> , 2022, 12, 8211-8227.	1.7	2
661	Tumor Microenvironment Triggered in Situ Synthesis of an Excellent Sonosensitizer in Tumor for Sonodynamic Therapy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
662	Programmed Catalytic Therapy-Mediated ROS Generation and T-Cell Infiltration in Lung Metastasis by a Dual Metal-Organic Framework (MOF) Nanoagent. <i>Pharmaceutics</i> , 2022, 14, 527.	2.0	6
663	Endophytic Microorganisms From the Tropics as Biofactories for the Synthesis of Metal-Based Nanoparticles: Healthcare Applications. <i>Frontiers in Nanotechnology</i> , 2022, 4, .	2.4	6
664	Self-Illuminating Triggered Release of Therapeutics from Photocleavable Nanoprodrug for the Targeted Treatment of Breast Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 8766-8781.	4.0	6
665	Single-walled silicon nanotube as an exceptional candidate to eliminate SARS-CoV-2: a theoretical study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 3042-3051.	2.0	1
666	Defining roles of specific reactive oxygen species (ROS) in cell biology and physiology. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 499-515.	16.1	469
667	A Universally EDTA-Assisted Synthesis of Polytypic Bismuth Telluride Nanoplates with a Size-Dependent Enhancement of Tumor Radiosensitivity and Metabolism In Vivo. <i>ACS Nano</i> , 2022, 16, 4379-4396.	7.3	13
668	Bridging oxidase catalysis and oxygen reduction electrocatalysis by model single-atom catalysts. <i>National Science Review</i> , 2022, 9, .	4.6	19
669	Carrier Free O <sub>2</sub> Economizer for Photodynamic Therapy Against Hypoxic Tumor by Inhibiting Cell Respiration. <i>Small</i> , 2022, 18, e2107467.	5.2	19

#	ARTICLE	IF	CITATIONS
670	Biocompatible Inorganic Nanoagent for Efficient Synergistic Tumor Treatment with Augmented Antitumor Immunity. <i>Small</i> , 2022, 18, e2200897.	5.2	23
671	Application of Regulatory Cell Death in Cancer: Based on Targeted Therapy and Immunotherapy. <i>Frontiers in Immunology</i> , 2022, 13, 837293.	2.2	23
672	Strategies for enhancing cancer chemodynamic therapy performance. <i>Exploration</i> , 2022, 2, .	5.4	103
673	Engineering a theranostic platform for synergistic hypoxia-responsive photodynamic therapy and chemotherapy. <i>Matter</i> , 2022, 5, 1502-1519.	5.0	27
674	Chemical Design of Activatable Photoacoustic Probes for Precise Biomedical Applications. <i>Chemical Reviews</i> , 2022, 122, 6850-6918.	23.0	94
675	Synthesis and Catalytic Property of Ribonucleosideâ€Derived Carbon Dots. <i>Small</i> , 2022, 18, e2106269.	5.2	11
676	The interaction between nanoparticles and immune system: application in the treatment of inflammatory diseases. <i>Journal of Nanobiotechnology</i> , 2022, 20, 127.	4.2	33
677	Rhodol-based fluorescent probes used for fast response toward ClO <sup>-</sup> and delayed determination of H <sub>2</sub> O <sub>2</sub> in living cells. <i>Synthesis</i> , 0, 0, .	1.2	0
678	Nanomaterials for photothermal and photodynamic cancer therapy. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	50
679	Antibiotic-loaded reactive oxygen species-responsive nanomedicine for effective management of chronic bacterial prostatitis. <i>Acta Biomaterialia</i> , 2022, 143, 471-486.	4.1	13
680	Mitochondrial Oxidative Stress and Cell Death in Podocytopathies. <i>Biomolecules</i> , 2022, 12, 403.	1.8	15
681	Coordination-assembled myricetin nanoarchitectonics for sustainably scavenging free radicals. <i>Beilstein Journal of Nanotechnology</i> , 2022, 13, 284-291.	1.5	3
682	Oral nanotherapeutics based on <i>Antheraea pernyi</i> silk fibroin for synergistic treatment of ulcerative colitis. <i>Biomaterials</i> , 2022, 282, 121410.	5.7	49
683	Polydopamine Decorated Microneedles with Feâ€MSCâ€Derived Nanovesicles Encapsulation for Wound Healing. <i>Advanced Science</i> , 2022, 9, e2103317.	5.6	110
684	Electronic Structure Modulation of Ag <sub>2</sub> S by Vacancy Engineering for Efficient Bacterial Infection. <i>Small</i> , 2022, 18, e2107807.	5.2	6
685	Smart, Biomimetic Periosteum Created from the Cerium(III, IV) Oxide-Mineralized Eggshell Membrane. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 14103-14119.	4.0	20
686	A Multifunctional Nanoplatfom Based on Fenton-like and Russell Reactions of Cu, Mn Bimetallic Ions Synergistically Enhanced ROS Stress for Improved Chemodynamic Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1354-1366.	2.6	24
687	Superoxide Radical-Mediated Self-Synthesized Au/MoO <sub>3</sub> Hybrids with Enhanced Peroxidase-like Activity and Photothermal Effect for Anti-MRSA Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 13025-13037.	4.0	57

#	ARTICLE	IF	CITATIONS
688	Oxygen-carrying biomimetic nanoplatform for sonodynamic killing of bacteria and treatment of infection diseases. <i>Ultrasonics Sonochemistry</i> , 2022, 84, 105972.	3.8	15
689	Recent progress in advanced biomaterials for long-acting reversible contraception. <i>Journal of Nanobiotechnology</i> , 2022, 20, 138.	4.2	11
690	Anticancer nanomedicines harnessing tumor microenvironmental components. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 337-354.	2.4	5
691	Iron phthalocyanine-derived nanozyme as dual reactive oxygen species generation accelerator for photothermally enhanced tumor catalytic therapy. <i>Biomaterials</i> , 2022, 284, 121495.	5.7	34
692	Sensitive Activatable Nanoprobes for Real-time Ratiometric Magnetic Resonance Imaging of Reactive Oxygen Species and Ameliorating Inflammation In Vivo. <i>Advanced Materials</i> , 2022, 34, e2109004.	11.1	52
693	pH Switchable Water Dispersed Photocatalytic Nanoparticles. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	4
694	A Hybrid Supramolecular Polymeric Nanomedicine for Cascade-amplified Synergetic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	42
695	pH-programmed responsive nanoplatform for synergistic cancer therapy based on single atom catalysts. <i>European Journal of Medicinal Chemistry</i> , 2022, 233, 114236.	2.6	9
696	The Role of Oxidative Stress and Inflammation in X-Link Adrenoleukodystrophy. <i>Frontiers in Nutrition</i> , 2022, 9, 864358.	1.6	4
697	A Hybrid Supramolecular Polymeric Nanomedicine for Cascade-amplified Synergetic Cancer Therapy. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
698	Investigation on Tetracycline degradation and bactericidal properties of binary and ternary ZnO/NiO/g-C <sub>3</sub> N <sub>4</sub> composites prepared by a facile co-precipitation method. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107368.	3.3	24
699	Spatiotemporal sonodynamic therapy for the treatment of rheumatoid arthritis based on Z-scheme heterostructure sonosensitizer of HO-1 inhibitor jointed bismuth nanotriangle. <i>Chemical Engineering Journal</i> , 2022, 438, 135558.	6.6	8
700	TME-responded Full-biodegradable nanocatalyst for mitochondrial calcium Overload-induced hydroxyl radical bursting cancer treatment. <i>Chemical Engineering Journal</i> , 2022, 438, 135372.	6.6	11
701	Engineering metalloporphyrin-integrated nanosystems for targeted sono-/chemo- dynamic therapy of leptomenigeal carcinomatosis through intrathecal administration. <i>Chemical Engineering Journal</i> , 2022, 437, 135373.	6.6	12
702	Glutathione-Triggered catalytic response of Copper-Iron mixed oxide Nanoparticles. Leveraging tumor microenvironment conditions for chemodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 704-717.	5.0	23
703	Metal organic framework loaded fluorescent nitrogen-doped carbon nanozyme with light regulating redox ability for detection of ferric ion and glutathione. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 11-21.	5.0	17
704	Surface engineered iron oxide nanozyme for synergistic chemodynamic/photodynamic therapy with glutathione depletion and hypoxia relief. <i>Chemical Engineering Journal</i> , 2022, 440, 135966.	6.6	28
705	Concave octahedral PtCu nanoframes mediated synergetic photothermal and chemodynamic tumor therapy. <i>Chemical Engineering Journal</i> , 2022, 442, 136172.	6.6	15



#	ARTICLE	IF	CITATIONS
706	A ratiometric ESIPT fluorescent probe for detection of anticancer-associated H <sub>2</sub> O <sub>2</sub> level in vitro and in vivo. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121163.	2.0	13
707	Hydrogel microreactor integrated double cascade reactions for synergistic bacterial inactivation and wound disinfection. <i>Chemical Engineering Journal</i> , 2022, 442, 136153.	6.6	7
708	Dual-Responsive and ROS-Augmented Nanoplatfor for Chemo/Photodynamic/Chemodynamic Combination Therapy of Triple Negative Breast Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 57-68.	4.0	32
709	Cancer-Targeted Azo Dye for Two-Photon Photodynamic Therapy in Human Colon Tissue. <i>Analytical Chemistry</i> , 2021, 93, 16821-16827.	3.2	7
710	Graphitic Carbon Nitride-Based Photocatalysts for Biological Applications. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	7
711	Nanostructured Surfaces with Multimodal Antimicrobial Action. <i>Accounts of Chemical Research</i> , 2021, 54, 4508-4517.	7.6	14
712	In Situ Synthesis of Natural Antioxidase Mimics for Catalytic Anti-Inflammatory Treatments: Rheumatoid Arthritis as an Example. <i>Journal of the American Chemical Society</i> , 2022, 144, 314-330.	6.6	46
713	Flower-Like Nanozymes with Large Accessibility of Single Atom Catalysis Sites for ROS Generation Boosted Tumor Therapy. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	35
714	Assembly Transformation Jointly Driven by the LAP Enzyme and GSH Boosting Theranostic Capability for Effective Tumor Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 59787-59802.	4.0	12
715	Oxygen-Deficient BiOCl Combined with L-Homocysteine-Sulfoximine Synergistically Suppresses Tumor Growth through Enhanced Singlet Oxygen Generation under Ultrasound Irradiation. <i>Small</i> , 2022, 18, e2104550.	5.2	25
716	Metal Complexes or Chelators with ROS Regulation Capacity: Promising Candidates for Cancer Treatment. <i>Molecules</i> , 2022, 27, 148.	1.7	15
717	Emitter-Quencher Pair of Single Atomic Co Sites and Monolayer Titanium Carbide MXenes for Luminal Chemiluminescent Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 60945-60954.	4.0	10
718	siRNA-Based Carrier-Free System for Synergistic Chemo/Chemodynamic/RNAi Therapy of Drug-Resistant Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 361-372.	4.0	13
719	Enhancement of Proton Therapy Efficiency by Noble Metal Nanoparticles Is Driven by the Number and Chemical Activity of Surface Atoms. <i>Small</i> , 2022, 18, e2106383.	5.2	13
720	Highly selective generation of singlet oxygen from dioxygen with atomically dispersed catalysts. <i>Chemical Science</i> , 2022, 13, 5606-5615.	3.7	9
721	HDAC1 expression is positively correlated with NADPH oxidase 4-mediated oxidative stress in a mouse model of traumatic brain injury. <i>Journal of Neurophysiology</i> , 2022, 127, 1438-1444.	0.9	2
722	Proton-Driven Transformable $\text{H}_2\text{O}_2$ -Nanotrap for Dark and Hypoxia Tolerant Photodynamic Therapy. <i>Advanced Science</i> , 2022, 9, e2200128.	5.6	33
723	Construction of a two-dimensional artificial antioxidant for nanocatalytic rheumatoid arthritis treatment. <i>Nature Communications</i> , 2022, 13, 1988.	5.8	59

#	ARTICLE	IF	CITATIONS
724	Nature-inspired nanothylakoids for multimodal cancer therapeutics. <i>Science China Materials</i> , 2022, 65, 1971-1979.	3.5	5
725	Glucose Oxidase Integrated Porphyrinic Covalent Organic Polymers for Combined Photodynamic/Chemodynamic/Starvation Therapy in Cancer Treatment. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1956-1963.	2.6	9
726	Photosensitized Peroxidase Mimicry at the Hierarchical OD/2D Heterojunction-Like Quasi Metal-Organic Framework Interface for Boosting Biocatalytic Disinfection. <i>Small</i> , 2022, 18, e2200178.	5.2	62
727	Highly sensitive H <sub>2</sub> O <sub>2</sub> -scavenging nano-bionic system for precise treatment of atherosclerosis. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 372-389.	5.7	12
728	Tertiary amines convert IO <sub>2</sub> to H <sub>2</sub> O <sub>2</sub> with enhanced photodynamic antibacterial efficiency. <i>Journal of Hazardous Materials</i> , 2022, 435, 128948.	6.5	8
729	Anti-Parkinsonian Therapy: Strategies for Crossing the Blood-Brain Barrier and Nano-Biological Effects of Nanomaterials. <i>Nano-Micro Letters</i> , 2022, 14, 105.	14.4	18
731	A Valence-Engineered Self-Cascading Antioxidant Nanozyme for the Therapy of Inflammatory Bowel Disease. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	63
732	Long-Circulating Theranostic 2D Metal-Organic Frameworks with Concurrent O <sub>2</sub> Supplying and GSH Depletion Characteristic for Enhanced Cancer Chemodynamic Therapy. <i>Small Methods</i> , 2022, 6, e2200178.	4.6	12
733	Design of therapeutic biomaterials to control inflammation. <i>Nature Reviews Materials</i> , 2022, 7, 557-574.	23.3	187
734	Zeolitic imidazolate framework-based nanoparticles for the cascade enhancement of cancer chemodynamic therapy by targeting glutamine metabolism. <i>Nanoscale</i> , 2022, 14, 8727-8743.	2.8	9
735	Bio-fabricated nanocomposite hydrogel with ROS scavenging and local oxygenation accelerates diabetic wound healing. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4083-4095.	2.9	23
736	Fundamentals of photodynamic therapy. , 2022, , 51-88.		3
737	Zn-dipicolylamine-based reactive oxygen species-responsive lipids for siRNA delivery and in vivo colitis treatment. <i>Acta Biomaterialia</i> , 2022, 147, 287-298.	4.1	11
738	Mechano-Responsive Leapfrog Micelles Enable Interactive Apoptotic and Ferroptotic Cancer Therapy. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	34
739	Ultrathin-FeOOH-Coated MnO <sub>2</sub> Sonosensitizers with Boosted Reactive Oxygen Species Yield and Remodeled Tumor Microenvironment for Efficient Cancer Therapy. <i>Advanced Science</i> , 2022, 9, e2200005.	5.6	39
740	Oxygen-Independent Sulfate Radical for Stimuli-Responsive Tumor Nanotherapy. <i>Advanced Science</i> , 2022, 9, e2200974.	5.6	18
741	Oxidative Stress in Cancer Immunotherapy: Molecular Mechanisms and Potential Applications. <i>Antioxidants</i> , 2022, 11, 853.	2.2	10
742	Magnetically Actuated Reactive Oxygen Species Scavenging Nano-Robots for Targeted Treatment. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	11

#	ARTICLE	IF	CITATIONS
743	A minimalist and robust chemo-photothermal nanoplatform capable of augmenting autophagy-modulated immune response against breast cancer. <i>Materials Today Bio</i> , 2022, 15, 100289.	2.6	15
744	Prussian Blue Nanozyme Promotes the Survival Rate of Skin Flaps by Maintaining a Normal Microenvironment. <i>ACS Nano</i> , 2022, 16, 9559-9571.	7.3	28
745	A Valence-Engineered Self-Cascading Antioxidant Nanozyme for the Therapy of Inflammatory Bowel Disease. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
746	Installing Reduction Responsiveness into Biomolecules by Introducing Nitroaryl Groups. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
747	A platinum nanourchin-based multi-enzymatic platform to disrupt mitochondrial function assisted by modulating the intracellular H <sub>2</sub> O <sub>2</sub> homeostasis. <i>Biomaterials</i> , 2022, 286, 121572.	5.7	15
748	The danger of dichloromethane in the synthesis and application of imidazole-based dyes. <i>Dyes and Pigments</i> , 2022, 204, 110404.	2.0	1
749	A Stimuli-Responsive Small-Molecule Metal-Carrying Prochelator: A Novel Prodrug Design Strategy for Metal Complexes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202203500.	7.2	7
750	Dual-action nanoplatform with a synergetic strategy to promote oxygen accumulation for enhanced photodynamic therapy against hypoxic tumors. <i>Acta Biomaterialia</i> , 2022, 146, 465-477.	4.1	6
751	Protective effect of platinum nano-antioxidant and nitric oxide against hepatic ischemia-reperfusion injury. <i>Nature Communications</i> , 2022, 13, 2513.	5.8	43
752	Excited State and Reactive Oxygen Species against Cancer and Pathogens: A Review on Sonodynamic and Sono-Photodynamic Therapy. <i>ChemMedChem</i> , 2022, 17, .	1.6	31
753	A Stimuli-Responsive Small-Molecule Metal-Carrying Prochelator: A Novel Prodrug Design Strategy for Metal Complexes. <i>Angewandte Chemie</i> , 0, , .	1.6	0
755	Dual isolated bimetal single-atom catalysts for tumor ROS cycle and parallel catalytic therapy. <i>Nano Today</i> , 2022, 44, 101493.	6.2	28
756	NIR-II phototherapy agents with aggregation-induced emission characteristics for tumor imaging and therapy. <i>Biomaterials</i> , 2022, 285, 121535.	5.7	38
757	Biotransformation of graphene oxide within lung fluids could intensify its synergistic biotoxicity effect with cadmium by inhibiting cellular efflux of cadmium. <i>Environmental Pollution</i> , 2022, 306, 119421.	3.7	2
758	Fe@Fe <sub>3</sub> O <sub>4</sub> /HKUST-1 composite: A Fenton-like agent with magnetic hyperthermia-enhanced chemodynamic therapy performance. <i>Materials Letters</i> , 2022, 321, 132420.	1.3	2
759	A nanoreactor boosts chemodynamic therapy and ferroptosis for synergistic cancer therapy using molecular amplifier dihydroartemisinin. <i>Journal of Nanobiotechnology</i> , 2022, 20, 230.	4.2	24
760	Effective Photocatalytic Initiation of Reactive Oxygen Species by a Photoactive Covalent Organic Framework for Oxidation Reactions. , 2022, 4, 1160-1167.		38
761	Cationization-Enhanced Type I and Type II ROS Generation for Photodynamic Treatment of Drug-Resistant Bacteria. <i>ACS Nano</i> , 2022, 16, 9130-9141.	7.3	68

#	ARTICLE	IF	CITATIONS
762	Antibacterial ability and osteogenic activity of polyphenol-tailored calcium silicate bone cement. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4640-4649.	2.9	6
763	Graphene Based Nanomaterials for ROS-Mediated Cancer Therapeutics. , 2022, , 1-26.		0
764	Revealing excited-state dynamics of type I zinc phthalocyanine photosensitizer for photodynamic therapy. <i>Scientia Sinica Chimica</i> , 2022, 52, 1384-1392.	0.2	1
765	Fe/Mnâ€Porphyrin Coordination Polymer Nanoparticles for Magnetic Resonance Imaging (MRI) Guidedâ€Combination Therapy between Photodynamic Therapy and Chemodynamic Therapy. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
766	Upregulated circTMEM59 Inhibits Cell Growth and Metastasis by miR-668-3p/ID4 Axis in Colorectal Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-27.	1.9	6
767	Platinum-Based Two-Photon Photosensitizer Responsive to NIR Light in Tumor Hypoxia Microenvironment. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7786-7798.	2.9	14
768	Cobalt Doped in Znâ€MOFâ€5 Nanoparticles to Regulate Tumor Microenvironment for Tumor Chemo/Chemodynamic Therapy. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	6
769	Morphology-Directed Radiosensitization of Mose2 Nanoplatforms for Promoting Cervical Cancer Radiotherapy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
770	Oxidation-Responsive Micelles for Drug Release Monitoring and Bioimaging of Inflammation Based on FRET Effect in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 2447-2457.	3.3	4
771	Advances of nano drug delivery system for the theranostics of ischemic stroke. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	13
772	Recent Advances of Nanoelectrodes for Single-Cell Electroanalysis: From Extracellular, Intercellular to Intracellular. <i>Journal of Analysis and Testing</i> , 2022, 6, 178-192.	2.5	9
773	Fluorescent intracellular imaging of reactive oxygen species and pH levels moderated by a hydrogenase mimic in living cells. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 801-807.	2.4	3
774	MIL-101 (Fe) @Ag Rapid Synergistic Antimicrobial and Biosafety Evaluation of Nanomaterials. <i>Molecules</i> , 2022, 27, 3497.	1.7	13
775	A supramolecular photosensitizer derived from an Arene-Ru(II) complex self-assembly for NIR activated photodynamic and photothermal therapy. <i>Nature Communications</i> , 2022, 13, .	5.8	58
776	Central Nervous System Injury Meets Nanoceria: Opportunities and Challenges. <i>International Journal of Energy Production and Management</i> , 0, , .	1.9	5
777	In Situ Synthesis of Gold Nanoclusters in Covalent Organic Frameworks with Enhanced Photodynamic Properties and Antibacterial Performance. <i>ACS Applied Bio Materials</i> , 2022, 5, 3115-3125.	2.3	18
778	Piezoelectric materials for synergistic piezo- and radio-catalytic tumor therapy. <i>Nano Today</i> , 2022, 44, 101510.	6.2	34
779	Quantitative detection of H2O2 with a composite fluorescent probe of 8-quinoline boronic acid-Al(III). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 432, 114069.	2.0	6

#	ARTICLE	IF	CITATIONS
780	A hyaluronic acid/platelet-rich plasma hydrogel containing MnO <sub>2</sub> nanozymes efficiently alleviates osteoarthritis in vivo. <i>Carbohydrate Polymers</i> , 2022, 292, 119667.	5.1	40
781	Piezoelectric Semiconductor Nanomaterials in Sonodynamic Therapy: a Review. Wuji Cailiao Xuebao/ <i>Journal of Inorganic Materials</i> , 2022, 37, 1170.	0.6	2
782	Molecular engineering to achieve AIE-active photosensitizers with NIR emission and rapid ROS generation efficiency. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5272-5278.	2.9	12
783	Cellular aging and immunity. <i>Ukrainian Journal of Veterinary and Agricultural Sciences</i> , 2022, 5, 8-16.	0.1	1
784	Cu-doped Polypyrrole with Multiple Catalytic Activities for Sono-enhanced Nanocatalytic Tumor Therapy. <i>Small</i> , 2022, 18, .	5.2	16
785	Piezotronic Effect-Augmented Cu <sub>2</sub> O/BaTiO <sub>3</sub> Sonosensitizers for Multifunctional Cancer Dynamic Therapy. <i>ACS Nano</i> , 2022, 16, 9304-9316.	7.3	87
786	Glucose Metabolism Intervention-Facilitated Nanomedicine Therapy. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 2707-2731.	3.3	9
787	Tumor Microenvironment Triggered the <i>In Situ</i> Synthesis of an Excellent Sonosensitizer in Tumor for Sonodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 26469-26479.	4.0	5
788	Composition-Dependent Enzyme Mimicking Activity and Radiosensitizing Effect of Bimetallic Clusters to Modulate Tumor Hypoxia for Enhanced Cancer Therapy. <i>Advanced Materials</i> , 2022, 34, .	11.1	32
789	Ruthenium and iridium complexes bearing porphyrin moieties: PDT efficacy against resistant melanoma cells. <i>Dyes and Pigments</i> , 2022, 205, 110501.	2.0	8
790	Nrf2 Signaling in the Oxidative Stress Response After Spinal Cord Injury. <i>Neuroscience</i> , 2022, 498, 311-324.	1.1	10
791	Drug in Drug: A Host-Guest Formulation of Azocalixarene with Hydroxychloroquine for Synergistic Anti-Inflammation. <i>Advanced Materials</i> , 2022, 34, .	11.1	22
792	Tailored Hydrogel Delivering Niobium Carbide Boosts ROS-scavenging and Antimicrobial Activities for Diabetic Wound Healing. <i>Small</i> , 2022, 18, .	5.2	75
793	Ferrocene-based multifunctional nanoparticles for combined chemo/chemodynamic/photothermal therapy. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 719-728.	5.0	11
794	Carbon dots supported single Fe atom nanozyme for drug-resistant glioblastoma therapy by activating autophagy-lysosome pathway. <i>Nano Today</i> , 2022, 45, 101530.	6.2	79
795	Enzymatic drug release cascade from polymeric prodrug nanoassemblies enables targeted chemotherapy. <i>Journal of Controlled Release</i> , 2022, 348, 444-455.	4.8	6
796	An advanced multifunctional prodrug combining photodynamic therapy with chemotherapy for highly efficient and precise tumor ablation. <i>Dyes and Pigments</i> , 2022, 205, 110500.	2.0	3
797	Polystyrene microplastics-induced cardiotoxicity in chickens via the ROS-driven NF- $\kappa$ B-NLRP3-GSDMD and AMPK-PGC-1 $\beta$ axes. <i>Science of the Total Environment</i> , 2022, 840, 156727.	3.9	77

#	ARTICLE	IF	CITATIONS
798	Self-supporting electrochemical sensors for monitoring of cell-released H <sub>2</sub> O <sub>2</sub> based on metal nanoparticle/MOF nanozymes. <i>Microchemical Journal</i> , 2022, 181, 107715.	2.3	20
799	Reactive oxygen nano-generators for cancer therapy. <i>Progress in Materials Science</i> , 2022, 130, 100974.	16.0	26
800	Layered double hydroxide-based nanomaterials for biomedical applications. <i>Chemical Society Reviews</i> , 2022, 51, 6126-6176.	18.7	133
802	Extracellular vesicles as bioactive nanotherapeutics: An emerging paradigm for regenerative medicine. <i>Theranostics</i> , 2022, 12, 4879-4903.	4.6	33
803	Photo-regulated dual-functional zinc oxide nanocomposite for synergistic sterilization and antioxidant treatment. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
804	Illuminating metal oxides containing luminescent probes for personalized medicine. , 2022, , 339-395.		1
805	Metal nanoclusters as photosensitizers. , 2022, , 569-587.		0
806	Enzyme-active liquid coacervate microdroplets as artificial membraneless organelles for intracellular ROS scavenging. <i>Biomaterials Science</i> , 2022, 10, 4588-4595.	2.6	1
807	Albumin-assembled copper-bismuth bimetallic sulfide bioactive nanosphere as an amplifier of oxidative stress for enhanced radio-chemodynamic combination therapy. <i>Regenerative Biomaterials</i> , 2022, 9, .	2.4	3
808	N-(2-Hydroxyphenyl)-2-Phenazinamine from <i>Nocardiosis Exhalans</i> Induces p53-Mediated Intrinsic Apoptosis Signaling in Lung Cancer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
809	Cu <sup>2+</sup> Embedded Three-Dimensional Covalent Organic Framework for Multiple ROS-Based Cancer Immunotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 30618-30625.	4.0	20
810	The Assessment of Meloxicam Phototoxicity in Human Normal Skin Cells: In Vitro Studies on Dermal Fibroblasts and Epidermal Melanocytes. <i>Molecules</i> , 2022, 27, 4215.	1.7	2
811	Oxidative Stress and Antioxidant Therapy in Cardiovascular Diseases—Clinical Challenge. <i>Journal of Clinical Medicine</i> , 2022, 11, 3784.	1.0	4
812	The Advances and Biomedical Applications of Imageable Nanomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	1
813	Recent progress in therapeutic strategies and biomimetic nanomedicines for rheumatoid arthritis treatment. <i>Expert Opinion on Drug Delivery</i> , 0, , 1-16.	2.4	8
814	Vascular Repair by Grafting Based on Magnetic Nanoparticles. <i>Pharmaceutics</i> , 2022, 14, 1433.	2.0	3
815	Harnessing immune response using reactive oxygen Species-Generating/Eliminating inorganic biomaterials for disease treatment. <i>Advanced Drug Delivery Reviews</i> , 2022, 188, 114456.	6.6	19
816	Immobilization of Superoxide Dismutase in Mesoporous Silica and its Applications in Strengthening the Lifespan and Healthspan of <i>Caenorhabditis elegans</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	1

#	ARTICLE	IF	CITATIONS
817	Water-Enabled H <sub>2</sub> Generation from Hydrogenated Silicon Nanosheets for Efficient Anti-Inflammation. <i>Journal of the American Chemical Society</i> , 2022, 144, 14195-14206.	6.6	18
818	Vision Defense: Efficient Antibacterial AIEgens Induced Early Immune Response for Bacterial Endophthalmitis. <i>Advanced Science</i> , 2022, 9, .	5.6	24
819	Multimodal Magnetic Resonance and Photoacoustic Imaging of Tumor-Specific Enzyme-Responsive Hybrid Nanoparticles for Oxygen Modulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	6
820	Antibacterial metal nanoclusters. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	16
821	Engineering dual catalytic nanomedicine for autophagy-augmented and ferroptosis-involved cancer nanotherapy. <i>Biomaterials</i> , 2022, 287, 121668.	5.7	30
822	Modified peroxamide-based reactive oxygen species (ROS)-responsive doxorubicin prodrugs. <i>Bioorganic Chemistry</i> , 2022, 127, 105990.	2.0	4
823	Nanoscale Hf-hematoporphyrin frameworks for synergetic sonodynamic/radiation therapy of deep-seated tumors. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 803-814.	5.0	12
824	Recent progresses on radiotherapeutics-based treatment of cancer with two-dimensional nanomaterials. <i>Applied Materials Today</i> , 2022, 29, 101584.	2.3	1
825	Multifunctional Magnetic CuS/Gd <sub>2</sub> O <sub>3</sub> Nanoparticles for Fluorescence/Magnetic Resonance Bimodal Imaging-Guided Photothermal-Intensified Chemodynamic Synergetic Therapy of Targeted Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 34365-34376.	4.0	10
826	Nanoplatform-Based Reactive Oxygen Species Scavengers for Therapy of Ischemia-Reperfusion Injury. <i>Advanced Therapeutics</i> , 2022, 5, .	1.6	9
827	Ultrasml Coordination Polymers for Alleviating ROS-Mediated Inflammatory and Realizing Neuroprotection against Parkinson's Disease. <i>Research</i> , 2022, 2022, .	2.8	9
828	Progress in Antiviral Fullerene Research. <i>Nanomaterials</i> , 2022, 12, 2547.	1.9	10
829	Microorganism-enabled photosynthetic oxygenation and ferroptosis induction reshape tumor microenvironment for augmented nanodynamic therapy. <i>Biomaterials</i> , 2022, 287, 121688.	5.7	21
830	Photo-enhanced upcycling H <sub>2</sub> O <sub>2</sub> into hydroxyl radicals by IR780-embedded Fe <sub>3</sub> O <sub>4</sub> @MIL-100 for intense nanocatalytic tumor therapy. <i>Biomaterials</i> , 2022, 287, 121687.	5.7	43
831	Platinum-Titania Schottky Junction as Nanosensitizer, Glucose Scavenger, and Tumor Microenvironment-Modulator for Promoted Cancer Treatment. <i>ACS Nano</i> , 2022, 16, 12118-12133.	7.3	34
832	Vacancies-rich CoAl monolayer layered double hydroxide as efficient superoxide dismutase-like nanozyme. <i>Nano Research</i> , 2022, 15, 7940-7950.	5.8	9
833	Tumor homing-penetrating and nanoenzyme-augmented 2D phototheranostics against hypoxic solid tumors. <i>Acta Biomaterialia</i> , 2022, 150, 391-401.	4.1	3
834	Arsenic Prodrug-Mediated Tumor Microenvironment Modulation Platform for Synergetic Glioblastoma Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 36487-36502.	4.0	7

#	ARTICLE	IF	CITATIONS
835	Nitric oxide-mediated regulation of mitochondrial protective autophagy for enhanced chemodynamic therapy based on mesoporous Mo-doped Cu <sub>9</sub> S <sub>5</sub> nanozymes. <i>Acta Biomaterialia</i> , 2022, 151, 600-612.	4.1	20
836	Tumor-Microenvironment-Responsive Cascade Reactions by a Cobalt-Single-Atom Nanozyme for Synergistic Nanocatalytic Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	90
837	Pt/Ag-PEG-Ce6 Nanosystem with Enhanced Near-Infrared Absorption and Peroxidase-Like Activity for Synergistic Photodynamic/Photothermal Therapy. <i>Advanced Therapeutics</i> , 2022, 5, .	1.6	5
838	Thiolumazines as Heavy-Atom-Free Photosensitizers for Applications in Daylight Photodynamic Therapy: Insights from Ultrafast Excited-State Dynamics. <i>Journal of Physical Chemistry B</i> , 2022, 126, 6083-6094.	1.2	5
839	Tumor-Microenvironment-Responsive Cascade Reactions by a Cobalt-Single-Atom Nanozyme for Synergistic Nanocatalytic Chemotherapy. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
840	Vacancy defect-promoted nanomaterials for efficient phototherapy and phototherapy-based multimodal Synergistic Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	1
841	HMOX1 silencing prevents doxorubicin-induced cardiomyocyte injury, mitochondrial dysfunction, and ferroptosis by downregulating CTGF. <i>General Thoracic and Cardiovascular Surgery</i> , 2023, 71, 280-290.	0.4	4
842	A synergistic therapy strategy for hypoxic solid tumor therapy. <i>Matter</i> , 2022, 5, 2425-2428.	5.0	5
843	Editorial: Advanced nanotechnology for reactive oxygen species-mediated therapies. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	0
844	Detection and quantification of nanoparticle-induced intracellular ROS in live cells by laser scanning confocal microscopy. <i>Methods</i> , 2022, 207, 11-19.	1.9	5
845	The combination of in situ photodynamic promotion and ion-interference to improve the efficacy of cancer therapy. <i>Journal of Colloid and Interface Science</i> , 2023, 629, 522-533.	5.0	10
846	Investigation of Sonosensitizers Based on Phenothiazinium Photosensitizers. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7819.	1.3	2
847	Nanotechnology meets glioblastoma multiforme: Emerging therapeutic strategies. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2023, 15, .	3.3	18
848	Daphnetin, a Coumarin in Genus <i>Stellera Chamaejasme</i> Linn: Chemistry, Bioactivity and Therapeutic Potential. <i>Chemistry and Biodiversity</i> , 2022, 19, .	1.0	9
849	ROS-scavenging and antimicrobial polysaccharide hydrogel for methicillin-resistant staphylococcus aureus-infected diabetic wound healing. <i>Nano Select</i> , 0, , .	1.9	2
850	Innovative probes with aggregation-induced emission characteristics for sensing gaseous signaling molecules. <i>Biomaterials</i> , 2022, 289, 121753.	5.7	9
851	A reactive oxygen species-replenishing coordination polymer nanomedicine disrupts redox homeostasis and induces concurrent apoptosis-ferroptosis for combinational cancer therapy. <i>Acta Biomaterialia</i> , 2022, 151, 480-490.	4.1	24
853	Synchronous enhancement of upconversion and NIR-IIb photoluminescence of rare-earth nanoprobe for theranostics. <i>Optics Express</i> , 2022, 30, 32459.	1.7	5



#	ARTICLE	IF	CITATIONS
854	Iridium Complex-Loaded Sorafenib Nanocomposites for Synergistic Chemo-photodynamic Therapy of Hepatocellular Carcinoma. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 37356-37368.	4.0	7
855	Tumor microenvironment responsive theranostic agent for enhanced chemo/chemodynamic/photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 218, 112750.	2.5	8
856	Versatile BP/Pd-FPEI-CpG nanocomposite for "three-in-one" multimodal tumor therapy. <i>Nano Today</i> , 2022, 46, 101590.	6.2	10
857	“Nano Killers” Activation by permonosulfate enables efficient anaerobic microorganisms disinfection. <i>Journal of Hazardous Materials</i> , 2022, 440, 129742.	6.5	11
858	Advancing biomedical applications via manipulating intersystem crossing. <i>Coordination Chemistry Reviews</i> , 2022, 471, 214754.	9.5	18
859	The effect of Conjugated Linoleic Acid intake on oxidative stress parameters and antioxidant enzymes: A systematic review and meta-analysis of randomized clinical trials. <i>Prostaglandins and Other Lipid Mediators</i> , 2022, 163, 106666.	1.0	6
860	Flexible regulation of reactive oxygen species by sustainable cluster drugs. <i>Materials Today Chemistry</i> , 2022, 26, 101093.	1.7	2
861	Morphology-directed radiosensitization of MoSe <sub>2</sub> nanoplateforms for promoting cervical cancer radiotherapy. <i>Nano Today</i> , 2022, 46, 101598.	6.2	14
862	Concurrent antibiosis and anti-inflammation against bacterial pneumonia by zinc hexacyanoferrate nanocatalysts. <i>Biomaterials</i> , 2022, 289, 121768.	5.7	9
863	Dietary intake of deuterium oxide decreases cochlear metabolism and oxidative stress levels in a mouse model of age-related hearing loss. <i>Redox Biology</i> , 2022, 57, 102472.	3.9	2
864	Anti-inflammatory and antioxidant effects of rhein loaded nanomicelles in periodontitis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 654, 130164.	2.3	1
865	Polyoxometalate nanomaterials for enhanced reactive oxygen species theranostics. <i>Coordination Chemistry Reviews</i> , 2022, 472, 214785.	9.5	29
866	Insights into highly efficient piezocatalytic molecule oxygen activation over Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> : Active sites and mechanism. <i>Chemical Engineering Journal</i> , 2023, 452, 139300.	6.6	19
867	Dual-responsive and NIR-driven free radical nanoamplifier with glutathione depletion for enhanced tumor-specific photothermal/thermodynamic/chemodynamic synergistic Therapy. <i>Biomaterials Science</i> , 2022, 10, 5912-5924.	2.6	9
868	Repurposing a peptide antibiotic as a catalyst: a multicopper “daptomycin complex as a cooperative O-O bond formation and activation catalyst. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4741-4752.	3.0	0
869	Antioxidative myricetin-enriched nanoparticles towards acute liver injury. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7875-7883.	2.9	4
870	Simultaneous one-step regulation of planarization and donor rotation to enhance multi-modal imaging guided therapy. <i>Materials Chemistry Frontiers</i> , 2022, 6, 2921-2928.	3.2	2
871	The design of fluorescein “ferrocene derivatives as HOCl-triggered turn-on fluorescent probes and anticancer prodrugs. <i>Dalton Transactions</i> , 2022, 51, 15330-15338.	1.6	3

#	ARTICLE	IF	CITATIONS
872	Recent developments of sonodynamic therapy in antibacterial application. <i>Nanoscale</i> , 2022, 14, 12999-13017.	2.8	39
873	Novel multifunctional dexamethasone carbon dots synthesized using the one-pot green method for anti-inflammatory, osteogenesis, and osteoimmunomodulatory in bone regeneration. <i>Biomaterials Science</i> , 2022, 10, 6291-6306.	2.6	11
874	Chiral nanomaterials for biosensing, bioimaging, and disease therapies. <i>Chemical Communications</i> , 2022, 58, 12782-12802.	2.2	20
875	Stimuli-responsive delivery strategies for controllable gene editing in tumor therapeutics. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7694-7707.	2.9	7
876	Platinum nanoplatfoms: classic catalysts claiming a prominent role in cancer therapy. <i>Chemical Society Reviews</i> , 2022, 51, 7662-7681.	18.7	19
877	Connecting the dynamics and reactivity of arylboronic acids to emergent and stimuli-responsive material properties. <i>Journal of Materials Chemistry B</i> , 2022, 10, 6263-6278.	2.9	9
878	MOF-coated upconversion nanoconstructs for synergetic photo-chemodynamic/oxygen-elevated photodynamic therapy. <i>Dalton Transactions</i> , 2022, 51, 16336-16343.	1.6	2
879	Boosting immunotherapy of triple negative breast cancer through the synergy of mild PTT and Fe-loaded organosilica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2022, 10, 8490-8501.	2.9	5
880	Recent Developments in ROS-Based Nanotherapeutic Modalities in Preclinical Cancer Treatment. , 2022, , 3059-3076.		0
881	ROS generation strategy based on biomimetic nanosheets by self-assembly of nanozymes. <i>Journal of Materials Chemistry B</i> , 2022, 10, 9607-9612.	2.9	7
882	Graphene-Based Nanomaterials for ROS-Mediated Cancer Therapeutics. , 2022, , 2891-2916.		0
883	Activated aggregation strategies to construct size-increasing nanoparticles for cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2023, 15, .	3.3	3
884	PDA-Based Drug Delivery Nanosystems: A Potential Approach for Glioma Treatment. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 3751-3775.	3.3	13
885	Cell death affecting the progression of gastric cancer. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	16
886	The Roles and Regulation of Ferroptosis in Cancer progression. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, .	0.6	0
887	3D magnetic field guided sunflower-like nanocatalytic active swarm targeting patients-derived organoids. <i>Nano Research</i> , 2023, 16, 1021-1032.	5.8	4
888	Identification of cross-talk pathways and ferroptosis-related genes in periodontitis and type 2 diabetes mellitus by bioinformatics analysis and experimental validation. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	11
889	Free-Blockage Mesoporous Silica Nanoparticles Loaded with Cerium Oxide as ROS-Responsive and ROS-Scavenging Nanomedicine. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12

#	ARTICLE	IF	CITATIONS
890	Advances in Antioxidant Nanomedicines for Imaging and Therapy of Alzheimer's Disease. Antioxidants and Redox Signaling, 0, , .	2.5	6
891	Multifaceted Catalytic ROS Scavenging via Electronic Modulated Metal Oxides for Regulating Stem Cell Fate. Advanced Materials, 2022, 34, .	11.1	24
892	Enhancing the therapeutic efficacy of nanoparticles for cancer treatment using versatile targeted strategies. Journal of Hematology and Oncology, 2022, 15, .	6.9	93
893	H <sub>2</sub> O <sub>2</sub> -Responsive Nanocarriers Prepared by RAFT-Mediated Polymerization-Induced Self-Assembly of N-(2-(Methylthio)ethyl)acrylamide for Biomedical Applications. ACS Applied Polymer Materials, 2022, 4, 7778-7789.	2.0	10
894	Cuprous oxide-based nanocrystals with combined chemo/chemodynamic therapy to increase tumor drug sensitivity by reducing mitochondria-derived adenosine-triphosphate. Drug Delivery, 2022, 29, 3134-3141.	2.5	2
895	Effective Sonosensitizer Delivery by Redox Sensitive Nanoparticles for Prostate Cancer Sonodynamic Therapy via Amplifying Oxidative Stress and Peroxidation. Advanced Healthcare Materials, 2022, 11, .	3.9	3
896	ROS-triggered cycle amplification effect: A prodrug activation nanoamplifier for tumor-specific therapy. Acta Biomaterialia, 2022, 152, 367-379.	4.1	7
897	A novel near-infrared fluorescent probe for rapid sensing of HClO in living cells and zebrafish. Frontiers in Chemistry, 0, 10, .	1.8	1
898	To the question of intensification of free radical oxidation of biosubstrates under action of nanosized materials. Ukrainian Journal of Occupational Health, 2022, 2022, 224-236.	0.3	0
899	A benzothiazole-based fluorescence probe for imaging of peroxynitrite during ferroptosis and diagnosis of tumor tissues. Analytical and Bioanalytical Chemistry, 2022, 414, 7753-7762.	1.9	6
900	ALD-induced TiO <sub>2</sub> /Ag nanofilm for rapid surface photodynamic ion sterilization. Rare Metals, 2022, 41, 4138-4148.	3.6	19
901	A Mini-Review of Diagnostic and Therapeutic Nano-Tools for Pancreatitis. International Journal of Nanomedicine, 0, Volume 17, 4367-4381.	3.3	3
903	Antioxidant Activity of New Copolymer Conjugates of Methoxyoligo(Ethylene Glycol)Methacrylate and Betulin Methacrylate with Cerium Oxide Nanoparticles In Vitro. Molecules, 2022, 27, 5894.	1.7	5
904	Catalase-Mimetic Artificial Biocatalysts with Ru Catalytic Centers for ROS Elimination and Stem Cell Protection. Advanced Materials, 2022, 34, .	11.1	31
905	Scavenging of reactive oxygen species can adjust the differentiation of tendon stem cells and progenitor cells and prevent ectopic calcification in tendinopathy. Acta Biomaterialia, 2022, 152, 440-452.	4.1	6
906	Promoting Re-epithelialization in an oxidative diabetic wound microenvironment using self-assembly of a ROS-responsive polymer and P311 peptide micelles. Acta Biomaterialia, 2022, 152, 425-439.	4.1	25
907	Detection of Reactive Oxygen and Nitrogen Species by Upconversion Nanoparticle-Based Near-Infrared Nanoprobes: Recent Progress and Perspectives. Chemistry - A European Journal, 2022, 28, .	1.7	8
908	Redox biology and electrochemistry. Towards evaluation of bioactive electron donors and acceptors. Current Opinion in Electrochemistry, 2022, 36, 101142.	2.5	1

#	ARTICLE	IF	CITATIONS
909	Protein-Templated Core/Shell Au Nanostructures for Intracellular Reactive Oxygen Species Detection by SERS. ACS Applied Nano Materials, 2022, 5, 14356-14366.	2.4	2
910	How Nanoparticles Open the Paracellular Route of Biological Barriers: Mechanisms, Applications, and Prospects. ACS Nano, 2022, 16, 15627-15652.	7.3	21
911	Low Intensity Focused Ultrasound Ignited "Deep-Penetration Nanobomb" (DPNB) for Tetramodal Imaging Guided Hypoxia-Tolerant Sonodynamic Therapy Against Hypoxic Tumors. International Journal of Nanomedicine, 0, Volume 17, 4547-4565.	3.3	7
912	Edge modification facilitated heterogenization and exfoliation of two-dimensional nanomaterials for cancer catalytic therapy. Science Advances, 2022, 8, .	4.7	35
913	Ferric oxide nanosheet-engineered Mg alloy for synergetic osteosarcoma photothermal/chemodynamic therapy. Journal of Materials Science and Technology, 2023, 138, 203-213.	5.6	4
914	Dual Activation of Molecular Oxygen and Surface Lattice Oxygen in Single Atom Cu <sub>1</sub> /TiO <sub>2</sub> Catalyst for CO Oxidation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	29
915	Highly efficient conotoxin delivery enabled by a bio-derived ionic liquid. Journal of Molecular Liquids, 2022, , 120529.	2.3	1
916	Dual Activation of Molecular Oxygen and Surface Lattice Oxygen in Single Atom Cu <sub>1</sub> /TiO <sub>2</sub> Catalyst for CO Oxidation. Angewandte Chemie, 2022, 134, .	1.6	7
917	Highly tumoricidal efficiency of non-oxidized MXene-Ti3C2Tx quantum dots on human uveal melanoma. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	0
918	Combining Cobalt Ferrite Nanozymes with a Natural Enzyme to Reshape the Tumor Microenvironment for Boosted Cascade Enzyme-Like Activities. ACS Applied Materials & Interfaces, 2022, 14, 45217-45228.	4.0	18
919	Reactive oxygen species-based nanotherapeutics for head and neck squamous cell carcinoma. Materials and Design, 2022, 223, 111194.	3.3	5
920	Mechanistic insight into photoactivation of small inorganic molecules from the biomedical applications perspectives. Advances in Inorganic Chemistry, 2022, , .	0.4	0
921	ROS-Based Cancer Radiotherapy. Nanomedicine and Nanotoxicology, 2022, , 265-309.	0.1	1
922	New Progress of Black Phosphorus in Antitumor Therapy. Advances in Clinical Medicine, 2022, 12, 9030-9036.	0.0	0
923	Harnessing the Power of Nanomaterials to Alleviate Tumor Hypoxia in Favor of Cancer Therapy. Nanomedicine and Nanotoxicology, 2022, , 135-174.	0.1	0
924	Portable Wireless Intelligent Electrochemical Sensor for the Ultrasensitive Detection of Rutin Using Functionalized Black Phosphorene Nanocomposite. Molecules, 2022, 27, 6603.	1.7	4
925	Molecularly Targeted Photothermal Ablation of Epidermal Growth Factor Receptor-Expressing Cancer Cells with a Polypyrrole"Iron Oxide" Afatinib Nanocomposite. Cancers, 2022, 14, 5043.	1.7	5
926	Modeling and insights into the structural characteristics of drug-induced autoimmune diseases. Frontiers in Immunology, 0, 13, .	2.2	6

#	ARTICLE	IF	CITATIONS
927	Antitumor Activity of the Zinc Oxide Nanoparticles Coated with Low-Molecular-Weight Heparin and Doxorubicin Complex <i>In Vitro</i> and <i>In Vivo</i> . <i>Molecular Pharmaceutics</i> , 2022, 19, 4179-4190.	2.3	6
928	Alleviating Neuroinflammation through Photothermal Conjugated Polymer Nanoparticles by Regulating Reactive Oxygen Species and Ca <sup>2+</sup> Signaling. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 48416-48425.	4.0	2
929	ROS-Responsive and pH-Sensitive Aminothiols Dual-Prodrug for Radiation Enteritis. <i>Antioxidants</i> , 2022, 11, 2145.	2.2	1
930	Impact of Sterilization on the Colloidal Stability of Ligand-Free Gold Nanoparticles for Biomedical Applications. <i>Langmuir</i> , 2022, 38, 13030-13047.	1.6	2
931	Redox- and pH-Responsive Water-Soluble Flexible Organic Frameworks Realize Synergistic Tumor Photodynamic and Chemotherapeutic Therapy. <i>Macromolecular Rapid Communications</i> , 2023, 44, .	2.0	2
932	Bioengineered Carboxymethylcellulose-Peptide Hybrid Nanozyme Cascade for Targeted Intracellular Biocatalytic-Magnetothermal Therapy of Brain Cancer Cells. <i>Pharmaceutics</i> , 2022, 14, 2223.	2.0	12
933	Living Macrophage-Delivered Tetrapod PdH Nanoenzyme for Targeted Atherosclerosis Management by ROS Scavenging, Hydrogen Anti-inflammation, and Autophagy Activation. <i>ACS Nano</i> , 2022, 16, 15959-15976.	7.3	47
934	TRAIL in the Treatment of Cancer: From Soluble Cytokine to Nanosystems. <i>Cancers</i> , 2022, 14, 5125.	1.7	13
935	Colloidal Polyelectrolyte Complexes from Hyaluronic Acid: Preparation and Biomedical Applications. <i>Small</i> , 2022, 18, .	5.2	13
936	Study on crystallographic structure and antiproliferative effect of mixed-ligand strontium(II) complex and N,N'-bis(2-hydroxy-5-methylphenyl) pyridine-2,6-dicarboxamide ligand. <i>Journal of Molecular Structure</i> , 2023, 1274, 134432.	1.8	7
937	Covalent Organic Frameworks as Nanocarriers for Improved Delivery of Chemotherapeutic Agents. <i>Materials</i> , 2022, 15, 7215.	1.3	4
938	A Defect-Engineered Nanozyme for Targeted NIR-II Photothermal Immunotherapy of Cancer. <i>Advanced Materials</i> , 2024, 36, .	11.1	27
939	Electrospun N-halamine/ZnO-based platform eradicates bacteria through multimodal antimicrobial mechanism of action. <i>Rare Metals</i> , 2023, 42, 222-233.	3.6	6
940	FeOCl Nanodots and Doxorubicin Co-loaded Polymer Nanoparticles for Glutathione/pH-responsive Chemodynamic Therapy/Chemotherapy of Tumors. <i>ChemNanoMat</i> , 2022, 8, .	1.5	1
941	A Nanomedicine Structure-Activity Framework for Research, Development, and Regulation of Future Cancer Therapies. <i>ACS Nano</i> , 2022, 16, 17497-17551.	7.3	10
942	Nanoaggregates of Disulfide-Decorated TrxR Inhibitor Promote Cellular Uptake, Selective Targeting, and Antitumor Efficacy. <i>Langmuir</i> , 2022, 38, 13955-13962.	1.6	1
943	Self-amplified ROS production from fatty acid oxidation enhanced tumor immunotherapy by atorvastatin/PD-L1 siRNA lipopeptide nanoplexes. <i>Biomaterials</i> , 2022, 291, 121902.	5.7	9
944	A multifunctional nanocatalytic system based on Chemodynamic-Starvation therapies with enhanced efficacy of cancer treatment. <i>Journal of Colloid and Interface Science</i> , 2023, 630, 804-816.	5.0	8

#	ARTICLE	IF	CITATIONS
945	Fluorescent assemblies: Synergistic of amphiphilic molecules and fluorescent elements. <i>Current Opinion in Colloid and Interface Science</i> , 2023, 63, 101657.	3.4	7
946	Synthesis, characterization and superoxide dismutase activity of a biomimetic Mn(III) complex covalently anchored to mesoporous silica. <i>Journal of Inorganic Biochemistry</i> , 2022, 237, 112026.	1.5	4
947	Mechanism, structural design, modulation and applications of Aggregation-induced emission-based Metal-organic framework. <i>Inorganic Chemistry Communication</i> , 2022, 146, 110038.	1.8	6
948	Non-LIV-activated persistent luminescence phosphors for sustained bioimaging and phototherapy. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214913.	9.5	11
949	Highly durable photocatalytic titanium suboxide-polymer nanocomposite films with visible light-triggered antibiofilm activity. <i>Chemical Engineering Journal</i> , 2023, 454, 139971.	6.6	7
950	Triterpenoids and ultrasound dual-catalytic nanoreactor ignites long-lived hypertoxic reactive species storm for deep tumor treatment. <i>Chemical Engineering Journal</i> , 2023, 453, 139938.	6.6	3
951	Tumor microenvironment activated nanoreactors for chemiluminescence imaging-guided simultaneous elimination of breast tumors and tumor-resident intracellular pathogens. <i>Chemical Engineering Journal</i> , 2023, 453, 139939.	6.6	14
952	Development of nanotechnology-mediated precision radiotherapy for anti-metastasis and radioprotection. <i>Chemical Society Reviews</i> , 2022, 51, 9759-9830.	18.7	17
953	Photonic double-network hydrogel dressings for antibacterial phototherapy and inflammation regulation in the general management of cutaneous regeneration. <i>Nanoscale</i> , 2023, 15, 609-624.	2.8	1
954	Multifunctional nanoprobe combined with radiotherapy and hypoxia-activated therapy synergistically improve antitumor efficacy. <i>RSC Advances</i> , 2022, 12, 32297-32306.	1.7	1
955	Engineering of BODIPY-based theranostics for cancer therapy. <i>Coordination Chemistry Reviews</i> , 2023, 476, 214908.	9.5	48
956	From liver fibrosis to hepatocarcinogenesis: Role of excessive liver H <sub>2</sub> O <sub>2</sub> and targeting nanotherapeutics. <i>Bioactive Materials</i> , 2023, 23, 187-205.	8.6	5
957	Light-induced tumor theranostics based on chemical-exfoliated borophene. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	7
958	The antibacterial mechanism of phenylacetic acid isolated from <i>Bacillus megaterium</i> L2 against <i>Agrobacterium tumefaciens</i> . <i>PeerJ</i> , 0, 10, e14304.	0.9	7
959	White-light-driven fluorescence switch for super-resolution imaging guided photodynamic and photoacid therapy. <i>Science China Chemistry</i> , 2022, 65, 2528-2537.	4.2	3
960	MOFs and MOF-Derived Materials for Antibacterial Application. <i>Journal of Functional Biomaterials</i> , 2022, 13, 215.	1.8	36
961	Nanoheterojunction-Mediated Thermoelectric Strategy for Cancer Surgical Adjuvant Treatment and P-Element Combination Therapy. <i>Advanced Materials</i> , 2023, 35, .	11.1	24
962	Copper decorated Ti <sub>3</sub> C <sub>2</sub> nanosystem with NIR-II-induced GSH-depletion and reactive oxygen species generation for efficient nanodynamic therapy. <i>Nanophotonics</i> , 2022, 11, 5189-5204.	2.9	5

#	ARTICLE	IF	CITATIONS
963	Single-Atom Nanozyme with Asymmetric Electron Distribution for Tumor Catalytic Therapy by Disrupting Tumor Redox and Energy Metabolism Homeostasis. <i>Advanced Materials</i> , 2023, 35, .	11.1	32
964	Gold nanoparticle decoration potentiate the antibacterial enhancement of TiO <sub>2</sub> nanotubes via sonodynamic therapy against peri-implant infections. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	7
965	Targeted Therapy of Atherosclerosis Vulnerable Plaque by ROS-Scavenging Nanoparticles and MR/Fluorescence Dual-Modality Imaging Tracing. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 5413-5429.	3.3	6
966	Porphyrin Polymers Bearing N,N'-Ethylene Crosslinkers as Photosensitizers against Bacteria. <i>Polymers</i> , 2022, 14, 4936.	2.0	3
967	Fabrication of an Au-doped Cu/Fe oxide-polymer core-shell nanoreactor with chemodynamic and photodynamic dual effects as potential cancer therapeutic agents. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
968	Are Reactive Oxygen Species (ROS) the Main Mechanism by Which Copper Ion Treatment Degrades the DNA of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Suspended in Milk?. <i>Microorganisms</i> , 2022, 10, 2272.	1.6	2
969	Phenethyl Isothiocyanate-Conjugated Chitosan Oligosaccharide Nanophotosensitizers for Photodynamic Treatment of Human Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13802.	1.8	4
970	Multi-roles of nanoscale bismuth metal-organic frameworks: Infectious photoacoustic probe and inhibitor of antibiotics tolerant bacteria via targeting endogenous H <sub>2</sub> S. <i>Nano Today</i> , 2022, 47, 101683.	6.2	6
971	Prodrug nanoparticles potentiate tumor chemo-immunometabolic therapy by disturbing oxidative stress. <i>Journal of Controlled Release</i> , 2022, 352, 909-919.	4.8	9
973	A novel delivery vehicle for copper peptides. <i>New Journal of Chemistry</i> , 2022, 47, 75-83.	1.4	1
974	A hybrid nanoassembly for ultrasound-inducible cytosolic siRNA delivery and cancer sono-gene therapy. <i>Ultrasonics Sonochemistry</i> , 2023, 92, 106262.	3.8	8
975	Reactive oxygen species-upregulating nanomedicines towards enhanced cancer therapy. <i>Biomaterials Science</i> , 2023, 11, 1182-1214.	2.6	19
976	ROS-scavenging biomaterials for periodontitis. <i>Journal of Materials Chemistry B</i> , 2023, 11, 482-499.	2.9	16
977	Ultrasound-enhanced cascade chemodynamic tumor nanotherapy with lactic acid-enabled hydrogen peroxide self-production. <i>Biomaterials Science</i> , 2023, 11, 1486-1498.	2.6	2
978	Bioinspired nanocatalytic tumor therapy by simultaneous reactive oxygen species generation enhancement and glutamine pathway-mediated glutathione depletion. <i>Journal of Materials Chemistry B</i> , 2022, 11, 131-143.	2.9	4
979	ROS scavenging Manganese-loaded mesoporous silica nanozymes for catalytic anti-inflammatory therapy. <i>Advanced Powder Technology</i> , 2023, 34, 103886.	2.0	3
980	Novel strategies for tumor radiosensitization mediated by multifunctional gold-based nanomaterials. <i>Biomaterials Science</i> , 2023, 11, 1116-1136.	2.6	11
981	Antimicrobial micro/nanorobotic materials design: From passive combat to active therapy. <i>Materials Science and Engineering Reports</i> , 2023, 152, 100712.	14.8	12

#	ARTICLE	IF	CITATIONS
982	N-(2-hydroxyphenyl)-2-phenazinamine from <i>Nocardioopsis exhalans</i> induces p53-mediated intrinsic apoptosis signaling in lung cancer cell lines. <i>Chemico-Biological Interactions</i> , 2023, 369, 110282.	1.7	3
983	A robust Au@Cu <sub>2</sub> -xS nanoreactor assembled by silk fibroin for enhanced intratumoral glucose depletion and redox dyshomeostasis. <i>Biomaterials</i> , 2023, 293, 121970.	5.7	5
984	MOF-based nanomedicines inspired by structures of natural active components. <i>Nano Today</i> , 2023, 48, 101690.	6.2	17
985	Metal-polyphenol nanodots loaded hollow MnO <sub>2</sub> nanoparticles with a "dynamic protection" property for enhanced cancer chemodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2023, 634, 836-851.	5.0	23
986	Tirapazamine-loaded UiO-66/Cu for ultrasound-mediated promotion of chemodynamic therapy cascade hypoxia-activated anticancer therapy. <i>Journal of Colloid and Interface Science</i> , 2023, 634, 495-508.	5.0	8
987	Electrogenerated copper selenide with positive charge to efficiently capture and combat drug-resistant bacteria for wound healing. <i>Journal of Colloid and Interface Science</i> , 2023, 634, 852-863.	5.0	7
988	Targeting ROS-sensitive TRP ion channels for relieving oxidative stress-related diseases based on nanomaterials. <i>Materials Today Advances</i> , 2023, 17, 100335.	2.5	7
989	A mini review of nanomaterials on photodynamic therapy. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2023, 54, 100568.	5.6	2
990	Ultrasound combined with nanomaterials for cancer therapy. <i>Materials Today Advances</i> , 2023, 17, 100330.	2.5	10
991	A DNA-engineered metal-organic-framework nanocarrier as a general platform for activatable photodynamic cancer cell ablation. <i>Nanoscale Advances</i> , 2023, 5, 361-367.	2.2	5
992	Ferrocene-liposome-PEG: a robust H <sub>2</sub> O <sub>2</sub> /lipid peroxide nano-converter for inducing tumor ferroptosis. <i>Biomaterials Science</i> , 2023, 11, 542-553.	2.6	7
993	Biomarker-Responsive Nanosystems for Chronic Disease Theranostics. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	8
994	Molecular mechanisms behind ROS regulation in cancer: A balancing act between augmented tumorigenesis and cell apoptosis. <i>Archives of Toxicology</i> , 2023, 97, 103-120.	1.9	25
995	Pterostilbene Ameliorates Fumonisin B1-Induced Cytotoxic Effect by Interfering in the Activation of JAK/STAT Pathway. <i>Antioxidants</i> , 2022, 11, 2360.	2.2	5
996	Selenium-engineered bottom-up-synthesized lanthanide coordination nanoframeworks as efficiency X-ray-responsive radiosensitizers. <i>Nano Research</i> , 2023, 16, 5169-5175.	5.8	9
997	Malate-based polyester chemically shielded metal-phenolic networks coated artificial hair fibers with long-lasting antimicrobial and anti-inflammatory performance. <i>Chemical Engineering Journal</i> , 2023, 455, 140572.	6.6	4
998	Synthetic Access to Tetracationic Benzoporphyrins and Their Role as Photosensitizers towards Gram-Negative <i>Escherichia coli</i> . , 0, , .		0
999	Biomimetic electrodynamic nanoparticles comprising ginger-derived extracellular vesicles for synergistic anti-infective therapy. <i>Nature Communications</i> , 2022, 13, .	5.8	25



#	ARTICLE	IF	CITATIONS
1000	Antibacterial Nanozymes: An Emerging Innovative Approach to Oral Health Management. <i>Topics in Catalysis</i> , 2022, 65, 2021-2032.	1.3	1
1001	Reductive damage induced autophagy inhibition for tumor therapy. <i>Nano Research</i> , 2023, 16, 5226-5236.	5.8	4
1002	Designing polymers with stimuli-responsive degradation for biomedical applications. <i>Current Opinion in Biomedical Engineering</i> , 2023, 25, 100437.	1.8	5
1003	WZ35 inhibits gastric cancer cell metastasis by depleting glutathione to promote cellular metabolic remodeling. <i>Cancer Letters</i> , 2023, 555, 216044.	3.2	7
1004	Nanomaterials and nanomaterials-based drug delivery to promote cutaneous wound healing. <i>Advanced Drug Delivery Reviews</i> , 2023, 193, 114670.	6.6	29
1005	A Facile Au Dot-Based Nanodrug for Enhanced Redox Dyshomeostasis in Chemodynamic Therapy. <i>Advanced Therapeutics</i> , 2023, 6, .	1.6	2
1006	Nanodroplet-enhanced sonodynamic therapy potentiates immune checkpoint blockade for systemic suppression of triple-negative breast cancer. <i>Acta Biomaterialia</i> , 2023, 158, 547-559.	4.1	7
1007	Clear-Box Machine Learning for Virtual Screening of 2D Nanozymes to Target Tumor Hydrogen Peroxide. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	8
1008	Heterojunction structured BiOCl-Bi <sub>2</sub> S <sub>3</sub> nanosheets as mitochondria-targeted near-infrared photothermal and photodynamic therapy agent. <i>Colloids and Surfaces B: Biointerfaces</i> , 2023, 222, 113106.	2.5	1
1010	Core-satellite nanoreactors based on cationic photosensitizer modified hollow CuS nanocage for ROS diffusion enhanced phototherapy of hypoxic tumor. , 2023, 145, 213263.		2
1011	Single-Component Photo-Responsive Template for the Controlled Release of NO and H <sub>2</sub> S. <i>Journal of the American Chemical Society</i> , 2023, 145, 277-287.	6.6	7
1012	Novel photodynamic therapy using two-dimensional NiPS <sub>3</sub> nanosheets that target hypoxic microenvironments for precise cancer treatment. <i>Nanophotonics</i> , 2022, .	2.9	0
1013	Real-Time Monitoring of Wound States via Rationally Engineered Biosensors. , 2024, 3, .		1
1014	Insights into Manganese Superoxide Dismutase and Human Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15893.	1.8	23
1015	A novel two-dimensional nanoheterojunction via facilitating electron-hole pairs separation for synergistic tumor phototherapy and immunotherapy. <i>Nano Research</i> , 2023, 16, 7148-7163.	5.8	2
1016	Recent Advances in Nanozymes for Bacteria-Infected Wound Therapy. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 5947-5990.	3.3	13
1017	Dynamic assembly of DNA-ceria nanocomplex in living cells generates artificial peroxisome. <i>Nature Communications</i> , 2022, 13, .	5.8	16
1018	Rational Design of Platinum-Bismuth Sulfide Schottky Heterostructure for Sonocatalysis-Mediated Hydrogen Therapy. <i>Advanced Materials</i> , 2023, 35, .	11.1	25

#	ARTICLE	IF	CITATIONS
1019	Order-disorder interfaces in a graphitic carbon nitride-nanoclay composite for improved photodynamic antibiotics. <i>Communications Materials</i> , 2022, 3, .	2.9	2
1020	Novel two-dimensional materials based bio-nanophotonics. <i>Nanophotonics</i> , 2022, 11, 4951-4953.	2.9	0
1021	Dynamic responsiveness of self-assembling peptide-based nano-drug systems. , 2023, 1, .		20
1022	Smart Biomaterials for Articular Cartilage Repair and Regeneration. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	21
1023	Synergistic Pro-Apoptotic Effect of a Cyclic RGD Peptide-Conjugated Magnetic Mesoporous Therapeutic Nanosystem on Hepatocellular Carcinoma HepG2 Cells. <i>Pharmaceutics</i> , 2023, 15, 276.	2.0	3
1024	Multi-Mechanism Antibacterial Strategies Enabled by Synergistic Activity of Metal-Organic Framework-Based Nanosystem for Infected Tissue Regeneration. <i>Small</i> , 2023, 19, .	5.2	22
1025	Bandgap-Engineered Germanene Nanosheets as an Efficient Photodynamic Agent for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	17
1027	3-Bromopyruvate-Loaded Ti <sub>3</sub> C <sub>2</sub> MXene/Cu <sub>2</sub> O Nanosheets for Photoacoustic Imaging-Guided and Hypoxia-Relieving Enhanced Photothermal/Chemodynamic Therapy. <i>Analytical Chemistry</i> , 0, , .	3.2	1
1028	Engineering ROS-scavenging Prussian blue nanozymes for efficient atherosclerosis nanotherapy. <i>Journal of Materials Chemistry B</i> , 2023, 11, 1881-1890.	2.9	4
1029	Engineering lactate-modulating nanomedicines for cancer therapy. <i>Chemical Society Reviews</i> , 2023, 52, 973-1000.	18.7	17
1030	Precisely designed Fe <sub>x</sub> ( <i>x</i> = 1-2) cluster nanocatalysts for effective nanocatalytic tumor therapy. <i>Nanoscale</i> , 2023, 15, 2305-2315.	2.8	1
1031	Recent progress of nanomaterials for colorimetric and fluorescence sensing of reactive oxygen species in biological and environmental samples. <i>Trends in Environmental Analytical Chemistry</i> , 2023, 37, e00196.	5.3	21
1032	Covalent organic framework-supported ultrasmall Rh nanoparticles as peroxidase mimics for colorimetric sensing of cysteine. <i>Journal of Colloid and Interface Science</i> , 2023, 636, 568-576.	5.0	5
1033	Chiral Se@CeO <sub>2</sub> superparticles for ameliorating Parkinson's disease. <i>Nanoscale</i> , 2023, 15, 4367-4377.	2.8	4
1034	Multienzyme-Mimicking Au@Cu <sub>2</sub> O with Complete Antioxidant Capacity for Reactive Oxygen Species Scavenging. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 378-390.	4.0	9
1035	Chemiluminescent polymeric nanoprobe for tumor diagnosis: A mini review. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	0
1036	Bandgap-Engineered Germanene Nanosheets as an Efficient Photodynamic Agent for Cancer Therapy. <i>Angewandte Chemie</i> , 0, , .	1.6	0
1037	Design and synthesis of cancer-cell-membrane-camouflaged hemoporphin-Cu <sub>9</sub> S <sub>8</sub> nanoagents for homotypic tumor-targeted photothermal-sonodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2023, 637, 225-236.	5.0	10

#	ARTICLE	IF	CITATIONS
1038	Nanomedicine-mediated ferroptosis targeting strategies for synergistic cancer therapy. <i>Journal of Materials Chemistry B</i> , 2023, 11, 1171-1190.	2.9	10
1039	Architecture of Nanoantioxidant Based on Mesoporous Organosilica Trp-Met-PMO with Dipeptide Skeleton. <i>Materials</i> , 2023, 16, 638.	1.3	1
1040	Microenvironment-Adaptive Nanozyme for Accelerating Drug-Resistant Bacteria-Infected Wound Healing. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	4
1041	Micro-structured N junction surfaces: large-scale preparation, antifouling properties, and a synergistic antibacterial mechanism. <i>Journal of Materials Chemistry B</i> , 2023, 11, 1312-1319.	2.9	4
1042	Self-assembled photosensitive carbon nanocrystals with broad-spectrum antibacterial bioactivity. <i>Journal of Materials Chemistry A</i> , 2023, 11, 3060-3069.	5.2	3
1043	A copper nanocluster-based multifunctional nanoplatform for augmented chemo/chemodynamic/photodynamic combination therapy of breast cancer. <i>Pharmacological Research</i> , 2023, 187, 106632.	3.1	7
1045	One-pot synthesized nano-heterostructure with dual-modal catalytic ROS generation ability for high-metastatic orthotopic osteosarcoma therapy. <i>Carbon</i> , 2023, 204, 196-210.	5.4	5
1046	Harnessing polymer-derived drug delivery systems for combating inflammatory bowel disease. <i>Journal of Controlled Release</i> , 2023, 354, 1-18.	4.8	34
1047	Nanoscale coordination polymers enabling antioxidants inhibition for enhanced chemodynamic therapy. <i>Journal of Controlled Release</i> , 2023, 354, 196-206.	4.8	11
1048	Nano-ROS-generating approaches to cancer dynamic therapy: Lessons from nanoparticles. <i>Chemical Engineering Journal</i> , 2023, 457, 141225.	6.6	16
1049	ROS scavenging carbon dots chelated hydroxyapatite filler: Target synthesis and enhancing adhesion of hydrogel. <i>Composites Communications</i> , 2023, 38, 101488.	3.3	1
1050	Recent advances in augmenting Fenton chemistry of nanoplatforms for enhanced chemodynamic therapy. <i>Coordination Chemistry Reviews</i> , 2023, 479, 215004.	9.5	22
1051	Theoretical study on the free radical scavenging potency and mechanism of natural coumestans: Roles of substituent, noncovalent interaction and solvent. <i>Phytochemistry</i> , 2023, 207, 113580.	1.4	7
1052	Photogeneration of Hydroxyl Radicals Based on Aggregation-Induced Emission Luminogen-Assembled Copper Cysteamine Nanoparticles for Photodynamic Therapy. <i>ACS Applied Nano Materials</i> , 2023, 6, 533-543.	2.4	1
1053	Current Progress and Outlook of Nano-Based Hydrogel Dressings for Wound Healing. <i>Pharmaceutics</i> , 2023, 15, 68.	2.0	16
1054	Carboxy Bodipy-Based Fast Trigger Fluorescent Probe for Imaging Endogenous Hypochlorous Acid. <i>Chemosensors</i> , 2023, 11, 26.	1.8	0
1055	Recent Advances in Tetrakis (4-Carboxyphenyl) Porphyrin-Based Nanocomposites for Tumor Therapy. <i>Advanced NanoBiomed Research</i> , 2023, 3, .	1.7	2
1056	Pomegranate Peel Extract Stabilized Selenium Nanoparticles Synthesis: Promising Antimicrobial Potential, Antioxidant Activity, Biocompatibility, and Hemocompatibility. <i>Applied Biochemistry and Biotechnology</i> , 2023, 195, 5753-5776.	1.4	17

#	ARTICLE	IF	CITATIONS
1057	Glutathione peroxidase-like nanozymes: mechanism, classification, and bioapplication. <i>Biomaterials Science</i> , 2023, 11, 2292-2316.	2.6	10
1058	Polymeric micelles-mediated photodynamic therapy. , 2023, , 105-139.		0
1059	Stimulus-responsive curcumin-based polydopamine nanoparticles for targeting Parkinson's disease by modulating $\alpha$ -synuclein aggregation and reactive oxygen species. <i>Chemical Engineering Journal</i> , 2023, 461, 141606.	6.6	5
1060	RNA sequencing-based optimization of biological lipid droplets for sonodynamic therapy to reverse tumor hypoxia and elicit robust immune response. <i>Nano Research</i> , 2023, 16, 7187-7198.	5.8	4
1061	Acceptor engineering of metallacycles with high phototoxicity indices for safe and effective photodynamic therapy. <i>Chemical Science</i> , 2023, 14, 2901-2909.	3.7	14
1062	Hierarchically Designed Biodegradable Polylactide Particles with Unprecedented Piezocatalytic Activity and Biosafety for Tooth Whitening. <i>Biomacromolecules</i> , 2023, 24, 797-806.	2.6	5
1063	Biological Use of Nanostructured Silica-Based Materials Functionalized with Metallodrugs: The Spanish Perspective. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2332.	1.8	5
1064	Ultrasml PtAu <sub>2</sub> nanoclusters activate endogenous anti-inflammatory and anti-oxidative systems to prevent inflammatory osteolysis. <i>Theranostics</i> , 2023, 13, 1010-1027.	4.6	4
1065	Interfacial Regulation of ZIF-67 on Bacteria to Generate Bifunctional Sensing Material on Chip for Qualifying Cell-Released Reactive Oxygen Species. <i>ACS Sensors</i> , 2023, 8, 784-792.	4.0	5
1066	Mechanistic Approaches to the Application of Nano-Zinc in the Poultry and Biomedical Industries: A Comprehensive Review of Future Perspectives and Challenges. <i>Molecules</i> , 2023, 28, 1064.	1.7	8
1067	Tumor-penetrating nanoplatfom with ultrasound "unlocking" for cascade synergistic therapy and visual feedback under hypoxia. <i>Journal of Nanobiotechnology</i> , 2023, 21, .	4.2	7
1068	Amorphizing Metal Selenides-Based ROS Biocatalysts at Surface Nanolayer toward Ultrafast Inflammatory Diabetic Wound Healing. <i>ACS Nano</i> , 2023, 17, 2943-2957.	7.3	19
1069	Ceria Nanoparticles as Copper Chaperones that Activate SOD1 for Synergistic Antioxidant Therapy to Treat Ischemic Vascular Diseases. <i>Advanced Materials</i> , 2023, 35, .	11.1	8
1070	Nanoparticle-mediated stimulus-responsive antibacterial therapy. <i>Biomaterials Science</i> , 2023, 11, 1994-2019.	2.6	18
1071	Biomimetic Molybdenum Sulfide-Catalyzed Tumor Ferroptosis and Bioimaging. <i>Small</i> , 2023, 19, .	5.2	4
1072	Tumor Microenvironment-Responsive Magnetic Nanofluid for Enhanced Tumor MRI and Tumor multi-treatments. <i>Pharmaceutics</i> , 2023, 16, 166.	1.7	1
1073	Topology regulation of nanomedicine for autophagy-augmented ferroptosis and cancer immunotherapy. <i>Science Bulletin</i> , 2023, 68, 77-94.	4.3	7
1074	Nanoplatfom-based cellular reactive oxygen species regulation for enhanced oncotherapy and tumor resistance alleviation. <i>Chinese Chemical Letters</i> , 2023, 34, 108300.	4.8	2

#	ARTICLE	IF	CITATIONS
1075	Durable Rapid Self-Disinfection, Reusable Protective Clothing Based on the Ag-Pd@MoS <sub>2</sub> Nanozyme with Enhanced Triple-Mode Synergistic Antibacterial Effect. ACS Applied Materials & Interfaces, 2023, 15, 18032-18044.	4.0	4
1076	Seed Priming with the Selenium Nanoparticles Maintains the Redox Status in the Water Stressed Tomato Plants by Modulating the Antioxidant Defense Enzymes. Plants, 2023, 12, 1556.	1.6	5
1077	ROS filter coating scaffold protects 3D mesenchymal stem cell spheroids for dual-phase treatment of spinal cord injury. Chemical Engineering Journal, 2023, 462, 142192.	6.6	2
1078	Nanomedicine is more than a supporting role in rheumatoid arthritis therapy. Journal of Controlled Release, 2023, 356, 142-161.	4.8	7
1079	Recent advances in nanoparticle-mediated antibacterial applications. Coordination Chemistry Reviews, 2023, 482, 215075.	9.5	26
1080	Converting commonly-used paper into nano-engineered fluorescent biomass-based platform for rapid ClO <sup>-</sup> quantitative detection in living cells and water sources. Chemosphere, 2023, 324, 138227.	4.2	3
1081	Hydrogen Sulfide Gas Amplified ROS Cascade: FeS@GOx Hybrid Nanozyme Designed for Boosting Tumor Chemodynamic Immunotherapy. Advanced Healthcare Materials, 2023, 12, .	3.9	12
1082	ROS-activatable nanocomposites for CT imaging tracking and antioxidative protection of mesenchymal stem cells in idiopathic pulmonary fibrosis therapy. Journal of Controlled Release, 2023, 357, 249-263.	4.8	3
1083	NIR light-driven photocatalytic NAD(P)H oxidation and H <sub>2</sub> O <sub>2</sub> generation in situ for enhanced chemodynamic therapy and immune response. Nano Today, 2023, 50, 101824.	6.2	8
1084	Manganese oxide-modified bismuth oxychloride piezoelectric nanoplatform with multiple enzyme-like activities for cancer sonodynamic therapy. Journal of Colloid and Interface Science, 2023, 640, 839-850.	5.0	4
1085	Constructing liquid metal/metal-organic framework nanohybrids with strong sonochemical energy storage performance for enhanced pollutants removal. Journal of Hazardous Materials, 2023, 452, 131285.	6.5	2
1086	Exploring a new family of designer copper(II) complexes of anthracene-appended polyfunctional organic assembly displaying potential anticancer activity via cytochrome c mediated mitochondrial apoptotic pathway. Journal of Inorganic Biochemistry, 2023, 243, 112182.	1.5	5
1087	Reactive oxygen species and ovarian diseases: Antioxidant strategies. Redox Biology, 2023, 62, 102659.	3.9	18
1088	Nitrogen-doped carbon nanodots deposited on titania nanoparticles: Unconventional near-infrared active photocatalysts for cancer therapy. Catalysis Today, 2023, 419, 114154.	2.2	3
1089	Catalytic micromotors as self-stirring microreactors for efficient dual-mode colorimetric detection. Journal of Colloid and Interface Science, 2023, 643, 196-204.	5.0	5
1090	Manganese-Based Antioxidase-Inspired Biocatalysts with Axial Mn <sup>N</sup> Sites and 2D d-Conjugated Networks for Rescuing Stem Cell Fate. Angewandte Chemie - International Edition, 2023, 62, .	7.2	10
1091	Glucocorticoid-loaded pH/ROS dual-responsive nanoparticles alleviate joint destruction by downregulating the NF- $\kappa$ B signaling pathway. Acta Biomaterialia, 2023, 164, 458-473.	4.1	7
1092	TIGAR deficiency induces caspase-1-dependent trophoblasts pyroptosis through NLRP3-ASC inflammasome. Frontiers in Immunology, 0, 14, .	2.2	2

#	ARTICLE	IF	CITATIONS
1093	Gasdermin D kills bacteria. <i>Microbiological Research</i> , 2023, 272, 127383.	2.5	2
1094	Nanoceria: an innovative strategy for cancer treatment. <i>Cellular and Molecular Life Sciences</i> , 2023, 80, .	2.4	16
1095	Full solar spectrum-driven Cu <sub>2</sub> O/PDINH heterostructure with enhanced photocatalytic antibacterial activity and mechanism insight. <i>Journal of Hazardous Materials</i> , 2023, 448, 130851.	6.5	17
1096	Fluorescent Probes Based on AIEgenâ€Mediated Polyelectrolyte Assemblies for Manipulating Intramolecular Motion and Magnetic Relaxivity. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	13
1097	Fluorescent Probes Based on AIEgenâ€Mediated Polyelectrolyte Assemblies for Manipulating Intramolecular Motion and Magnetic Relaxivity. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
1098	Advances in Nanozymes as a Paradigm for Viral Diagnostics and Therapy. <i>Pharmacological Reviews</i> , 2023, 75, 739-757.	7.1	3
1099	Immunomodulatory nanosystems: An emerging strategy to combat viral infections. <i>Biomaterials and Biosystems</i> , 2023, 9, 100073.	1.0	3
1100	Integrating Pt nanoparticles with carbon nanodots to achieve robust cascade superoxide dismutase-catalase nanozyme for antioxidant therapy. <i>Nano Today</i> , 2023, 49, 101768.	6.2	23
1101	The progress of research on the application of redox nanomaterials in disease therapy. <i>Frontiers in Chemistry</i> , 0, 11, .	1.8	6
1102	Research Progress of Near-Infrared Fluorescent Probes Based on 1,3-Dichloro-7-hydroxy-9,9-dimethyl-2(9<i>H</i>)-acridone (DDAO). <i>Chinese Journal of Organic Chemistry</i> , 2023, 43, 94.	0.6	0
1103	Electron transfer-based antioxidant nanozymes: Emerging therapeutics for inflammatory diseases. <i>Journal of Controlled Release</i> , 2023, 355, 273-291.	4.8	5
1104	Synthesis and Application of Mesoporous Materials: Process Status, Technical Problems, and Development Prospects: A Mini-Review. <i>Energy &amp; Fuels</i> , 2023, 37, 3413-3427.	2.5	10
1105	Folic-acid adorned alginate-polydopamine modified paclitaxel/Zn-CuO nanocomplex for pH triggered drug release and synergistic antitumor efficacy. <i>International Journal of Biological Macromolecules</i> , 2023, 234, 123602.	3.6	7
1106	FÄ†rster Resonance Energy Transfer Nanobullet for Photoacoustic Imaging and Amplified Photothermalâ€Photodynamic Therapy of Cancer. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	4
1107	Semiconducting Titanate Supported Ruthenium Clusterzymes for Ultrasoundâ€Amplified Biocatalytic Tumor Nanotherapies. <i>Small</i> , 2023, 19, .	5.2	5
1108	Mannose-coated superparamagnetic iron oxide nanozyme for preventing postoperative cognitive dysfunction. <i>Materials Today Bio</i> , 2023, 19, 100568.	2.6	4
1109	Phototheranostics: Combining Targeting, Imaging, Therapy. , 2023, , 649-691.		0
1110	Surface-bound radicals generated from cobalt single-atom catalyst: Mechanism of boosting Fenton-like reactions. <i>Chemical Engineering Journal</i> , 2023, 461, 141920.	6.6	7

#	ARTICLE	IF	CITATIONS
1111	Self- $\text{O}_2$ -Delivery $\text{O}_2$ -Ecomonomizer to Reverse Antiapoptosis of Hypoxic Tumor for Enhanced Photodynamic Therapy. <i>Advanced Therapeutics</i> , 2023, 6, .	1.6	1
1112	Ceria-Based Therapeutic Antioxidants for Biomedical Applications. <i>Advanced Materials</i> , 2024, 36, .	11.1	14
1113	A Diode-Like Dye-Cu Anisotropic Junction in a Coordination Polymer as a Logic State Ratchet for Intratumor Redox Photomodulation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	3
1114	Topological study on degree based molecular descriptors of fullerene cages. <i>Molecular Physics</i> , 2023, 121, .	0.8	6
1115	A Diode-Like Dye-Cu Anisotropic Junction in a Coordination Polymer as a Logic State Ratchet for Intratumor Redox Photomodulation. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
1116	Regulating the microenvironment with nanomaterials: Potential strategies to ameliorate COVID-19. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 3638-3658.	5.7	2
1117	An Electrochemical Nanosensor for Monitoring the Dynamics of Intracellular $\text{H}_2\text{O}_2$ Upon NADH Treatment. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
1118	An Electrochemical Nanosensor for Monitoring the Dynamics of Intracellular $\text{H}_2\text{O}_2$ Upon NADH Treatment. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	3
1119	The role of crystallinity of palladium nanocrystals in ROS generation and cytotoxicity induction. <i>Nanoscale</i> , 2023, 15, 6295-6305.	2.8	0
1120	Nanoscale Two-Dimensional Fe- and Co-Based Metal-Organic Frameworks of Porphyrin Ligand for the Photodynamic Therapy of Breast Cancer. <i>Molecules</i> , 2023, 28, 2125.	1.7	1
1121	Multimechanism Collaborative Superior Antioxidant CDzymes To Alleviate Salt Stress-Induced Oxidative Damage in Plant Growth. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 4237-4247.	3.2	4
1122	Ultrasound nanomedicine and materdicine. <i>Journal of Materials Chemistry B</i> , 2023, 11, 5350-5377.	2.9	3
1123	Transition Metal-Based Therapies for Inflammatory Diseases. <i>Advanced Materials</i> , 2023, 35, .	11.1	3
1124	Design and Evaluation of Paeonol-Loaded Liposomes in Thermoreversible Gels for Atopic Dermatitis. <i>Gels</i> , 2023, 9, 198.	2.1	4
1125	An implantable composite scaffold for amplified chemodynamic therapy and tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2023, 11, 3151-3163.	2.9	0
1126	Photon-Controlled Pyroptosis Activation (PhotoPyro): An Emerging Trigger for Antitumor Immune Response. <i>Journal of the American Chemical Society</i> , 2023, 145, 6007-6023.	6.6	35
1127	Polysaccharide-Based Stimulus-Responsive Nanomedicines for Combination Cancer Immunotherapy. <i>Small</i> , 2023, 19, .	5.2	13
1128	2D-nanomaterials for AKI treatment. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	2

#	ARTICLE	IF	CITATIONS
1129	Reactive oxygen species-responsive nanocarrier ameliorates murine colitis by intervening colonic innate and adaptive immune responses. <i>Molecular Therapy</i> , 2023, 31, 1383-1401.	3.7	10
1130	Reticular Chemistryâ€Enabled Sonodynamic Activity of Covalent Organic Frameworks for Nanodynamic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	16
1131	Reticular Chemistryâ€Enabled Sonodynamic Activity of Covalent Organic Frameworks for Nanodynamic Cancer Therapy. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	4
1132	Promotion effect of CO oxidation via activation of surface lattice oxygen by single atom Cu/MnO <sub>2</sub> catalyst. <i>Molecular Catalysis</i> , 2023, 540, 113057.	1.0	3
1133	Glutathione-responsive and -exhausting metal nanomedicines for robust synergistic cancer therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	2
1134	Copperphosphotungstate Doped Polyanilines Nanorods for GSH-Depletion Enhanced Chemodynamic/NIR-II Photothermal Synergistic Therapy. <i>International Journal of Nanomedicine</i> , 0, Volume 18, 1245-1257.	3.3	0
1135	Microarrays, Enzymatic Assays, and MALDI-MS for Determining Specific Alterations to Mitochondrial Electron Transport Chain Activity, ROS Formation, and Lipid Composition in a Monkey Model of Parkinsonâ€™s Disease. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5470.	1.8	1
1136	Enhanced Sonodynamic Cancer Therapy through Ironâ€Doping and Oxygenâ€Vacancy Engineering of Piezoelectric Bismuth Tungstate Nanosheets. <i>Small</i> , 2023, 19, .	5.2	15
1137	Synthesis of biologically derived poly(pyrogallol) nanofibers for antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2023, 11, 3356-3363.	2.9	4
1138	Magnetic Response Combined with Bioactive Ion Therapy: A RONS-Scavenging Theranostic Nanoplatfor for Thrombolysis and Renal Ischemiaâ€Reperfusion Injury. <i>ACS Nano</i> , 2023, 17, 5695-5712.	7.3	6
1139	Multifunctional Fluorescent Probe for Simultaneous Detection of ONOO <sup>â€</sup> , Viscosity, and Polarity and Its Application in Ferroptosis and Cancer Models. <i>Analytical Chemistry</i> , 2023, 95, 5780-5787.	3.2	19
1140	Molecular assembly of carbon nitride-based composite membranes for photocatalytic sterilization and wound healing. <i>Chemical Science</i> , 2023, 14, 4319-4327.	3.7	2
1141	Exploring the Long-Term Tissue Accumulation and Excretion of 3 nm Cerium Oxide Nanoparticles after Single Dose Administration. <i>Antioxidants</i> , 2023, 12, 765.	2.2	5
1142	Sphingolipid desaturase DEGS1 is essential for mitochondria-associated membrane integrity. <i>Journal of Clinical Investigation</i> , 2023, 133, .	3.9	6
1143	Ultrasound cascade regulation of nano-oxygen hybrids triggering ferroptosis augmented sonodynamic anticancer therapy. <i>Nano Research</i> , 2023, 16, 7280-7292.	5.8	5
1144	Green polymer hydrogels from a natural monomer with inherent antioxidative capability for efficient wound healing and spinal cord injury treatment. <i>Biomaterials Science</i> , 2023, 11, 3683-3694.	2.6	4
1145	Cryo-Shocked Platelet Coupled with ROS-Responsive Nanomedicine for Targeted Treatment of Thromboembolic Disease. <i>ACS Nano</i> , 2023, 17, 6519-6533.	7.3	9
1146	Perovskiteâ€Type Manganese Vanadate Sonosensitizers with Biodegradability for Enhanced Sonodynamic Therapy of Cancer. <i>Small</i> , 2023, 19, .	5.2	5



#	ARTICLE	IF	CITATIONS
1147	A New Nanoscale Ultrasound Phase-Variant Contrast Agent for Phase Variant Low-Frequency Medical Ultrasound Imaging That Can Scavenge Reactive Oxygen Species. <i>Journal of Biomedical Nanotechnology</i> , 2022, 18, 2818-2827.	0.5	1
1148	Cancer cell membrane-camouflaged and H <sub>2</sub> O <sub>2</sub> -activatable nanocomposites for synergistic chemotherapy and two-photon photodynamic therapy against melanoma. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2716-2730.	3.0	2
1149	A co-delivery system based on chlorin e6-loaded ROS-sensitive polymeric prodrug with self-amplified drug release to enhance the efficacy of combination therapy for breast tumor cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	4
1150	Nanoparticles Containing Biocompatible Radicals Based on 1,2,4-Benzotriazinyl for Reactive Oxygen Species Scavenging in Living Cells. <i>ACS Applied Nano Materials</i> , 2023, 6, 5781-5788.	2.4	2
1151	Nanoparticle-Based Activatable MRI Probes for Disease Imaging and Monitoring. , 2023, 1, 192-204.		4
1152	3D nanofiber sponge with dimethylxaloglycine-loaded Prussian blue analogue microspheres to promote wound healing. <i>Biomedical Materials (Bristol)</i> , 2023, 18, 035012.	1.7	0
1153	A self-charging salt water battery for antitumor therapy. <i>Science Advances</i> , 2023, 9, .	4.7	13
1154	Manganese-Based Antioxidase-Inspired Biocatalysts with Axial Mn <sup>N5</sup> Sites and 2D d-Conjugated Networks for Rescuing Stem Cell Fate. <i>Angewandte Chemie</i> , 0, , .	1.6	0
1155	Polydopamine/Ruthenium Nanoparticle Systems as Photothermal Therapy Reagents and Reactive Oxygen Species Scavengers for Alzheimer's Disease Treatment. <i>ACS Applied Nano Materials</i> , 2023, 6, 5384-5393.	2.4	1
1156	Unraveling mitochondria-targeting reactive oxygen species modulation and their implementations in cancer therapy by nanomaterials. <i>Exploration</i> , 2023, 3, .	5.4	20
1157	Targeting Endogenous Reactive Oxygen Species Removal and Regulating Regenerative Microenvironment at Annulus Fibrosus Defects Promote Tissue Repair. <i>ACS Nano</i> , 2023, 17, 7645-7661.	7.3	15
1158	Remodeling the hepatic fibrotic microenvironment with emerging nanotherapeutics: a comprehensive review. <i>Journal of Nanobiotechnology</i> , 2023, 21, .	4.2	7
1159	Vision for Ratiometric Nanoprobes: <i>In Vivo</i> Noninvasive Visualization and Readout of Physiological Hallmarks. <i>ACS Nano</i> , 2023, 17, 7109-7134.	7.3	7
1160	Electrochemical signal amplification strategy based on trace metal ion modified WS <sub>2</sub> for ultra-sensitive detection of miRNA-21. <i>Talanta</i> , 2023, 260, 124552.	2.9	2
1161	Tumor Microenvironment Activated Vanadium-Doped Carbon Dots for Fluorescence Imaging and Chemodynamic Therapy. <i>Crystals</i> , 2023, 13, 652.	1.0	1
1162	Multifunctional nanomedicines-enabled chemodynamic-synergized multimodal tumor therapy via Fenton and Fenton-like reactions. <i>Theranostics</i> , 2023, 13, 1974-2014.	4.6	16
1163	Oxygen-Vacancy-Rich Piezoelectric BiO <sub>2</sub> Nanosheets for Augmented Piezocatalytic, Sonothermal, and Enzymatic Therapies. <i>Advanced Materials</i> , 2023, 35, .	11.1	27
1164	Use of titanium dioxide nanoparticles for cancer treatment: A comprehensive review and bibliometric analysis. <i>Biocatalysis and Agricultural Biotechnology</i> , 2023, 50, 102710.	1.5	6

#	ARTICLE	IF	CITATIONS
1165	Glutathione and Esterase Dual-Responsive Smart Nano-drug Delivery System Capable of Breaking the Redox Balance for Enhanced Tumor Therapy. ACS Applied Materials & Interfaces, 2023, 15, 20697-20711.	4.0	3
1194	Erbium oxide nanoplates as a sonosensitizer devoid of photosensitivity. Chemical Communications, 2023, 59, 8123-8126.	2.2	0
1209	Introduction to Nanomedicine. SpringerBriefs in Applied Sciences and Technology, 2023, , 1-15.	0.2	0
1220	Synthesis and properties of novel type I photosensitizer polycyclic amide. Nanoscale Advances, 0, , .	2.2	1
1222	Recent advances in type I organic photosensitizers for efficient photodynamic therapy for overcoming tumor hypoxia. Journal of Materials Chemistry B, 2023, 11, 4600-4618.	2.9	12
1279	Nanoprobe-based molecular imaging for tumor stratification. Chemical Society Reviews, 2023, 52, 6447-6496.	18.7	7
1280	Nanobiocatalysis for therapeutic applications. , 2023, , 285-311.		0
1283	Recent strategies of carbon dot-based nanodrugs for enhanced emerging antitumor modalities. Journal of Materials Chemistry B, 2023, 11, 9128-9154.	2.9	3
1286	Nano Titania Applications in Cancer Theranostics. , 0, , .		0
1288	Reactive oxygen species for therapeutic application: Role of piezoelectric materials. Physical Chemistry Chemical Physics, 2023, 25, 25925-25941.	1.3	4
1296	Cascade strategy for glucose oxidase-based synergistic cancer therapy using nanomaterials. Journal of Materials Chemistry B, 2023, 11, 9798-9839.	2.9	1
1297	Anti-inflammatory potential of platinum nanozymes: mechanisms and perspectives. Nanoscale, 2023, 15, 14284-14300.	2.8	2
1298	Antioxidant nanozymes in kidney injury: mechanism and application. Nanoscale, 2023, 15, 13148-13171.	2.8	0
1302	Reactive X (where X = O, N, S, C, Cl, Br, and I) species nanomedicine. Chemical Society Reviews, 2023, 52, 6957-7035.	18.7	3
1321	Development of a Novel Sonosensitizer for Sonodynamic Therapy. IFMBE Proceedings, 2024, , 383-391.	0.2	0
1341	Nanozymes for Prooxidative Therapy. , 2023, , 165-198.		0
1354	Aggregation-induced emission: recent applications in infectious diseases. Science China Chemistry, 2023, 66, 2986-3005.	4.2	2
1378	Orally-administered nanomedicine systems targeting colon inflammation for the treatment of inflammatory bowel disease: latest advances. Journal of Materials Chemistry B, 0, , .	2.9	0

#	ARTICLE	IF	CITATIONS
1389	Upconversion Nanoparticle-Organic Dye Nanocomposites for Chemo- and Biosensing. Journal of Analysis and Testing, 2023, 7, 345-368.	2.5	1
1405	ROS-generating nanoplatforms as selective and tunable therapeutic weapons against cancer. , 2023, 18, .		0
1407	ROS, Redox Regulation and Signaling in Cancer Cells. , 2023, , 1-47.		0
1409	Perspectives in ROS/Redox Regulation Cancer Therapy. , 2023, , 411-431.		0
1424	Myocardial Tissue Repair and Regeneration. , 2023, , 497-534.		0