

Kelong Fan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

5,437
citations

36
h-index

73
g-index

96
ext. papers

7,615
ext. citations

10.7
avg, IF

6.29
L-index

#	Paper	IF	Citations
78	Re-engineering the inner surface of ferritin nanocage enables dual drug payloads for synergistic tumor therapy.. <i>Theranostics</i> , 2022 , 12, 1800-1815	12.1	4
77	Bioinspired Five-Coordinated Single-Atom Iron Nanozyme for Tumor Catalytic Therapy.. <i>Advanced Materials</i> , 2022 , e2107088	24	20
76	Black phosphorus quantum dots as multifunctional nanozymes for tumor photothermal/catalytic synergistic therapy. <i>Nano Research</i> , 2022 , 15, 1554	10	5
75	Nanozyme: A promising tool from clinical diagnosis and environmental monitoring to wastewater treatment. <i>Particuology</i> , 2022 , 71, 90-107	2.8	2
74	Bioadhesive injectable hydrogel with phenolic carbon quantum dot supported Pd single atom nanozymes as a localized immunomodulation niche for cancer catalytic immunotherapy. <i>Biomaterials</i> , 2021 , 280, 121272	15.6	16
73	Unveiling the active sites on ferrihydrite with apparent catalase-like activity for potentiating radiotherapy. <i>Nano Today</i> , 2021 , 41, 101317	17.9	21
72	Regenerable Cerium Oxide Nanozyme-Loaded pH/HO-Responsive Nanovesicle for Tumor-Targeted Photothermal and Photodynamic Therapies. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 233-244	9.5	17
71	High-Performance Self-Cascade Pyrite Nanozymes for Apoptosis-Ferroptosis Synergistic Tumor Therapy. <i>ACS Nano</i> , 2021 , 15, 5735-5751	16.7	78
70	Bioengineered Dual-Targeting Protein Nanocage for Stereoscopical Loading of Synergistic Hydrophilic/Hydrophobic Drugs to Enhance Anticancer Efficacy. <i>Advanced Functional Materials</i> , 2021 , 31, 2102004	15.6	6
69	Nanocage-Based Capture-Detection System for the Clinical Diagnosis of Autoimmune Disease. <i>Small</i> , 2021 , 17, e2101655	11	2
68	Diagnosis of Autoimmune Diseases: Nanocage-Based Capture-Detection System for the Clinical Diagnosis of Autoimmune Disease (Small 25/2021). <i>Small</i> , 2021 , 17, 2170126	11	0
67	Nanozymes Inspired by Natural Enzymes. <i>Accounts of Materials Research</i> , 2021 , 2, 534-547	7.5	68
66	Synergistic Chemotherapy: Bioengineered Dual-Targeting Protein Nanocage for Stereoscopical Loading of Synergistic Hydrophilic/Hydrophobic Drugs to Enhance Anticancer Efficacy (Adv. Funct. Mater. 29/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170207	15.6	
65	Persistent luminescence-polypyrrole nanocomposite for dual-modal imaging and photothermal therapy of mammary cancer. <i>Talanta</i> , 2021 , 221, 121435	6.2	7
64	A Nanozyme-Based Artificial Peroxisome Ameliorates Hyperuricemia and Ischemic Stroke. <i>Advanced Functional Materials</i> , 2021 , 31, 2007130	15.6	33
63	Protein-protected metal nanoclusters as diagnostic and therapeutic platforms for biomedical applications. <i>Materials Today</i> , 2021 ,	21.8	13
62	Nanozyme for tumor therapy: Surface modification matters. <i>Exploration</i> , 2021 , 1, 75-89		72

61	Ferritin nanocages for early theranostics of tumors via inflammation-enhanced active targeting. <i>Science China Life Sciences</i> , 2021 , 1	8.5	2
60	From mouse to mouse-ear cross: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021 , 1, 9-20		13
59	Ferritin nanocage: A promising and designable multi-module platform for constructing dynamic nanoassembly-based drug nanocarrier. <i>Advanced Drug Delivery Reviews</i> , 2021 , 176, 113892	18.5	10
58	Mussel-inspired nanozyme catalyzed conductive and self-setting hydrogel for adhesive and antibacterial bioelectronics. <i>Bioactive Materials</i> , 2021 , 6, 2676-2687	16.7	45
57	TiO supported single Ag atoms nanozyme for elimination of SARS-CoV2. <i>Nano Today</i> , 2021 , 40, 101243	17.9	14
56	Nanozymes: A clear definition with fuzzy edges. <i>Nano Today</i> , 2021 , 40, 101269	17.9	97
55	Superoxide dismutase nanozymes: an emerging star for anti-oxidation. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 6939-6957	7.3	24
54	Platinum-carbon-integrated nanozymes for enhanced tumor photodynamic and photothermal therapy. <i>Nanoscale</i> , 2020 , 12, 13548-13557	7.7	54
53	TfR1 binding with H-ferritin nanocarrier achieves prognostic diagnosis and enhances the therapeutic efficacy in clinical gastric cancer. <i>Cell Death and Disease</i> , 2020 , 11, 92	9.8	24
52	Nanozymes: created by learning from nature. <i>Science China Life Sciences</i> , 2020 , 63, 1183-1200	8.5	58
51	Nanozymes: a new choice for disease treatment. <i>Scientia Sinica Vitae</i> , 2020 , 50, 311-328	1.4	2
50	Nanozymes and Their Applications in Biomedicine 2020 , 15-1-15-22		
49	Cerium Oxide Based Nanozymes. <i>Nanostructure Science and Technology</i> , 2020 , 279-329	0.9	3
48	Nanozyme-Based Tumor Theranostics. <i>Nanostructure Science and Technology</i> , 2020 , 425-457	0.9	3
47	Iron Oxide Nanozyme: A Multifunctional Enzyme Mimetics for Biomedical Application. <i>Nanostructure Science and Technology</i> , 2020 , 105-140	0.9	22
46	Biodegradation-Mediated Enzymatic Activity-Tunable Molybdenum Oxide Nanourchins for Tumor-Specific Cascade Catalytic Therapy. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1636-1644	16.4	108
45	Protein-protected metal nanoclusters: An emerging ultra-small nanozyme. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1602	9.2	25
44	Ferritins as natural and artificial nanozymes for theranostics. <i>Theranostics</i> , 2020 , 10, 687-706	12.1	51

43	Nano-decocted ferrous polysulfide coordinates ferroptosis-like death in bacteria for anti-infection therapy. <i>Nano Today</i> , 2020 , 35, 100981	17.9	24
42	Structure and activity of nanozymes: Inspirations for de novo design of nanozymes. <i>Materials Today</i> , 2020 , 41, 81-119	21.8	127
41	A metal-free nanozyme-activated prodrug strategy for targeted tumor catalytic therapy. <i>Nano Today</i> , 2020 , 35, 100935	17.9	60
40	The prototypes of nanozyme-based nanorobots. <i>Biophysics Reports</i> , 2020 , 6, 223-244	3.5	3
39	Stellate Plasmonic Exosomes for Penetrative Targeting Tumor NIR-II Thermo-Radiotherapy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 36928-36937	9.5	40
38	A natural drug entry channel in the ferritin nanocage. <i>Nano Today</i> , 2020 , 35, 100948	17.9	17
37	Precise visual distinction of brain glioma from normal tissues via targeted photoacoustic and fluorescence navigation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 27, 102204	6	6
36	Ferritin drug carrier (FDC) for tumor targeting therapy. <i>Journal of Controlled Release</i> , 2019 , 311-312, 288-300	11.7	59
35	A Single-Atom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie</i> , 2019 , 131, 4965-4970	30	53
34	A Single-Atom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4911-4916	16.4	335
33	Ferritin variants: inspirations for rationally designing protein nanocarriers. <i>Nanoscale</i> , 2019 , 11, 12449-12459	12.4	27
32	GRP78-targeted ferritin nanocaged ultra-high dose of doxorubicin for hepatocellular carcinoma therapy. <i>Theranostics</i> , 2019 , 9, 2167-2182	12.1	45
31	Bioengineered magnetoferritin nanozymes for pathological identification of high-risk and ruptured atherosclerotic plaques in humans. <i>Nano Research</i> , 2019 , 12, 863-868	10	12
30	Nanozymes: an emerging field bridging nanotechnology and enzymology. <i>Science China Life Sciences</i> , 2019 , 62, 1543-1546	8.5	19
29	Fenozyme Protects the Integrity of the Blood-Brain Barrier against Experimental Cerebral Malaria. <i>Nano Letters</i> , 2019 , 19, 8887-8895	11.5	38
28	The Advances of Nanozyme in Brain Disease 2019 , 139-179		1
27	Nanozyme-based catalytic theranostics.. <i>RSC Advances</i> , 2019 , 10, 10-20	3.7	48
26	Biom mineralization Synthesis of the Cobalt Nanozyme in SP94-Ferritin Nanocages for Prognostic Diagnosis of Hepatocellular Carcinoma. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9747-9755	9.5	45

25	Advances in chiral nanozymes: a review. <i>Mikrochimica Acta</i> , 2019 , 186, 782	5.8	19
24	Catalytic inactivation of influenza virus by iron oxide nanozyme. <i>Theranostics</i> , 2019 , 9, 6920-6935	12.1	54
23	Exosome-like Nanozyme Vesicles for HO-Responsive Catalytic Photoacoustic Imaging of Xenograft Nasopharyngeal Carcinoma. <i>Nano Letters</i> , 2019 , 19, 203-209	11.5	92
22	Fenobody: A Ferritin-Displayed Nanobody with High Apparent Affinity and Half-Life Extension. <i>Analytical Chemistry</i> , 2018 , 90, 5671-5677	7.8	35
21	In vivo guiding nitrogen-doped carbon nanozyme for tumor catalytic therapy. <i>Nature Communications</i> , 2018 , 9, 1440	17.4	480
20	Ferritin Nanocarrier Traverses the Blood Brain Barrier and Kills Glioma. <i>ACS Nano</i> , 2018 , 12, 4105-4115	16.7	144
19	Endoscopic molecular imaging of early gastric cancer using fluorescently labeled human H-ferritin nanoparticle. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 2259-2270	6	8
18	Bioengineered Ferritin Nanoprobes for Cancer Theranostics 2018 , 143-175		3
17	Converting organosulfur compounds to inorganic polysulfides against resistant bacterial infections. <i>Nature Communications</i> , 2018 , 9, 3713	17.4	85
16	Bioengineered H-Ferritin Nanocages for Quantitative Imaging of Vulnerable Plaques in Atherosclerosis. <i>ACS Nano</i> , 2018 , 12, 9300-9308	16.7	25
15	Standardized assays for determining the catalytic activity and kinetics of peroxidase-like nanozymes. <i>Nature Protocols</i> , 2018 , 13, 1506-1520	18.8	336
14	Near-Atomic Resolution Structure Determination in Over-Focus with Volta Phase Plate by Cs-Corrected Cryo-EM. <i>Structure</i> , 2017 , 25, 1623-1630.e3	5.2	28
13	Questions about horse spleen ferritin crossing the blood brain barrier via mouse transferrin receptor 1. <i>Protein and Cell</i> , 2017 , 8, 788-790	7.2	13
12	Iron Oxide Nanozyme: A Multifunctional Enzyme Mimetic for Biomedical Applications. <i>Theranostics</i> , 2017 , 7, 3207-3227	12.1	309
11	Optimization of FeO nanozyme activity via single amino acid modification mimicking an enzyme active site. <i>Chemical Communications</i> , 2016 , 53, 424-427	5.8	225
10	Bioengineered Magnetoferritin Nanoprobes for Single-Dose Nuclear-Magnetic Resonance Tumor Imaging. <i>ACS Nano</i> , 2016 , 10, 4184-91	16.7	64
9	Nanozyme-strip for rapid local diagnosis of Ebola. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 134-41	11.8	237
8	H-ferritin-nanocaged doxorubicin nanoparticles specifically target and kill tumors with a single-dose injection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14900-5	11.5	292

7	Fe ₃ O ₄ magnetic nanoparticle peroxidase mimetic-based colorimetric assay for the rapid detection of organophosphorus pesticide and nerve agent. <i>Analytical Chemistry</i> , 2013 , 85, 308-12	7.8	291
6	Human ferritin for tumor detection and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013 , 5, 287-98	9.2	47
5	Targeting endothelial CD146 attenuates neuroinflammation by limiting lymphocyte extravasation to the CNS. <i>Scientific Reports</i> , 2013 , 3, 1687	4.9	43
4	CD146 is a coreceptor for VEGFR-2 in tumor angiogenesis. <i>Blood</i> , 2012 , 120, 2330-9	2.2	129
3	Ex vivo detection of iron oxide magnetic nanoparticles in mice using their intrinsic peroxidase-mimicking activity. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1983-9	5.6	46
2	Magnetoferritin nanoparticles for targeting and visualizing tumour tissues. <i>Nature Nanotechnology</i> , 2012 , 7, 459-64	28.7	502
1	H ₂ O ₂ Self-Producing Single-Atom Nanozyme Hydrogels as Light-Controlled Oxidative Stress Amplifier for Enhanced Synergistic Therapy by Transforming "Cold" Tumors. <i>Advanced Functional Materials</i> , 2110268	15.6	17