

# Kelong Fan

## List of Publications by Citations

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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	Magnetoferritin nanoparticles for targeting and visualizing tumour tissues. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 459-64	28.7	502
77	In vivo guiding nitrogen-doped carbon nanozyme for tumor catalytic therapy. <i>Nature Communications</i> , <b>2018</b> , 9, 1440	17.4	480
76	Standardized assays for determining the catalytic activity and kinetics of peroxidase-like nanozymes. <i>Nature Protocols</i> , <b>2018</b> , 13, 1506-1520	18.8	336
75	A Single-Atom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4911-4916	16.4	335
74	Iron Oxide Nanozyme: A Multifunctional Enzyme Mimetic for Biomedical Applications. <i>Theranostics</i> , <b>2017</b> , 7, 3207-3227	12.1	309
73	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> , <b>2014</b> , 111, 14900-5	11.5	292
72	Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticle peroxidase mimetic-based colorimetric assay for the rapid detection of organophosphorus pesticide and nerve agent. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 308-12	7.8	291
71	Nanozyme-strip for rapid local diagnosis of Ebola. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 134-41	11.8	237
70	Optimization of FeO nanozyme activity via single amino acid modification mimicking an enzyme active site. <i>Chemical Communications</i> , <b>2016</b> , 53, 424-427	5.8	225
69	Ferritin Nanocarrier Traverses the Blood Brain Barrier and Kills Glioma. <i>ACS Nano</i> , <b>2018</b> , 12, 4105-4115	16.7	144
68	CD146 is a coreceptor for VEGFR-2 in tumor angiogenesis. <i>Blood</i> , <b>2012</b> , 120, 2330-9	2.2	129
67	Structure and activity of nanozymes: Inspirations for de novo design of nanozymes. <i>Materials Today</i> , <b>2020</b> , 41, 81-119	21.8	127
66	Biodegradation-Mediated Enzymatic Activity-Tunable Molybdenum Oxide Nanourchins for Tumor-Specific Cascade Catalytic Therapy. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1636-1644	16.4	108
65	Nanozymes: A clear definition with fuzzy edges. <i>Nano Today</i> , <b>2021</b> , 40, 101269	17.9	97
64	Exosome-like Nanozyme Vesicles for HO-Responsive Catalytic Photoacoustic Imaging of Xenograft Nasopharyngeal Carcinoma. <i>Nano Letters</i> , <b>2019</b> , 19, 203-209	11.5	92
63	Converting organosulfur compounds to inorganic polysulfides against resistant bacterial infections. <i>Nature Communications</i> , <b>2018</b> , 9, 3713	17.4	85
62	High-Performance Self-Cascade Pyrite Nanozymes for Apoptosis-Ferroptosis Synergistic Tumor Therapy. <i>ACS Nano</i> , <b>2021</b> , 15, 5735-5751	16.7	78

61	Nanozyme for tumor therapy: Surface modification matters. <i>Exploration</i> , <b>2021</b> , 1, 75-89		72
60	Nanozymes Inspired by Natural Enzymes. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 534-547	7.5	68
59	Bioengineered Magnetoferritin Nanoprobes for Single-Dose Nuclear-Magnetic Resonance Tumor Imaging. <i>ACS Nano</i> , <b>2016</b> , 10, 4184-91	16.7	64
58	A metal-free nanozyme-activated prodrug strategy for targeted tumor catalytic therapy. <i>Nano Today</i> , <b>2020</b> , 35, 100935	17.9	60
57	Ferritin drug carrier (FDC) for tumor targeting therapy. <i>Journal of Controlled Release</i> , <b>2019</b> , 311-312, 288-300	11.7	59
56	Nanozymes: created by learning from nature. <i>Science China Life Sciences</i> , <b>2020</b> , 63, 1183-1200	8.5	58
55	Platinum-carbon-integrated nanozymes for enhanced tumor photodynamic and photothermal therapy. <i>Nanoscale</i> , <b>2020</b> , 12, 13548-13557	7.7	54
54	Catalytic inactivation of influenza virus by iron oxide nanozyme. <i>Theranostics</i> , <b>2019</b> , 9, 6920-6935	12.1	54
53	A Single-Atom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4965-4970	10	53
52	Ferritins as natural and artificial nanozymes for theranostics. <i>Theranostics</i> , <b>2020</b> , 10, 687-706	12.1	51
51	Nanozyme-based catalytic theranostics.. <i>RSC Advances</i> , <b>2019</b> , 10, 10-20	3.7	48
50	Human ferritin for tumor detection and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2013</b> , 5, 287-98	9.2	47
49	Ex vivo detection of iron oxide magnetic nanoparticles in mice using their intrinsic peroxidase-mimicking activity. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 1983-9	5.6	46
48	GRP78-targeted ferritin nanocaged ultra-high dose of doxorubicin for hepatocellular carcinoma therapy. <i>Theranostics</i> , <b>2019</b> , 9, 2167-2182	12.1	45
47	Biom mineralization Synthesis of the Cobalt Nanozyme in SP94-Ferritin Nanocages for Prognostic Diagnosis of Hepatocellular Carcinoma. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9747-9755	9.5	45
46	Mussel-inspired nanozyme catalyzed conductive and self-setting hydrogel for adhesive and antibacterial bioelectronics. <i>Bioactive Materials</i> , <b>2021</b> , 6, 2676-2687	16.7	45
45	Targeting endothelial CD146 attenuates neuroinflammation by limiting lymphocyte extravasation to the CNS. <i>Scientific Reports</i> , <b>2013</b> , 3, 1687	4.9	43
44	Stellate Plasmonic Exosomes for Penetrative Targeting Tumor NIR-II Thermo-Radiotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 36928-36937	9.5	40

43	Fenozyme Protects the Integrity of the Blood-Brain Barrier against Experimental Cerebral Malaria. <i>Nano Letters</i> , <b>2019</b> , 19, 8887-8895	11.5	38
42	Fenobody: A Ferritin-Displayed Nanobody with High Apparent Affinity and Half-Life Extension. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5671-5677	7.8	35
41	A Nanozyme-Based Artificial Peroxisome Ameliorates Hyperuricemia and Ischemic Stroke. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007130	15.6	33
40	Near-Atomic Resolution Structure Determination in Over-Focus with Volta Phase Plate by Cs-Corrected Cryo-EM. <i>Structure</i> , <b>2017</b> , 25, 1623-1630.e3	5.2	28
39	Ferritin variants: inspirations for rationally designing protein nanocarriers. <i>Nanoscale</i> , <b>2019</b> , 11, 12449-12459	7.7	27
38	Protein-protected metal nanoclusters: An emerging ultra-small nanozyme. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2020</b> , 12, e1602	9.2	25
37	Bioengineered H-Ferritin Nanocages for Quantitative Imaging of Vulnerable Plaques in Atherosclerosis. <i>ACS Nano</i> , <b>2018</b> , 12, 9300-9308	16.7	25
36	TfR1 binding with H-ferritin nanocarrier achieves prognostic diagnosis and enhances the therapeutic efficacy in clinical gastric cancer. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 92	9.8	24
35	Nano-decocted ferrous polysulfide coordinates ferroptosis-like death in bacteria for anti-infection therapy. <i>Nano Today</i> , <b>2020</b> , 35, 100981	17.9	24
34	Superoxide dismutase nanozymes: an emerging star for anti-oxidation. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 6939-6957	7.3	24
33	Iron Oxide Nanozyme: A Multifunctional Enzyme Mimetics for Biomedical Application. <i>Nanostructure Science and Technology</i> , <b>2020</b> , 105-140	0.9	22
32	Unveiling the active sites on ferrihydrite with apparent catalase-like activity for potentiating radiotherapy. <i>Nano Today</i> , <b>2021</b> , 41, 101317	17.9	21
31	Bioinspired Five-Coordinated Single-Atom Iron Nanozyme for Tumor Catalytic Therapy.. <i>Advanced Materials</i> , <b>2022</b> , e2107088	24	20
30	Nanozymes: an emerging field bridging nanotechnology and enzymology. <i>Science China Life Sciences</i> , <b>2019</b> , 62, 1543-1546	8.5	19
29	Advances in chiral nanozymes: a review. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 782	5.8	19
28	H <sub>2</sub> O <sub>2</sub> 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
27	Regenerable Cerium Oxide Nanozyme-Loaded pH/HO-Responsive Nanovesicle for Tumor-Targeted Photothermal and Photodynamic Therapies. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 233-244	9.5	17
26	A natural drug entry channel in the ferritin nanocage. <i>Nano Today</i> , <b>2020</b> , 35, 100948	17.9	17

25	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> , <b>2021</b> , 280, 121272	15.6	16
24	TiO supported single Ag atoms nanozyme for elimination of SARS-CoV2. <i>Nano Today</i> , <b>2021</b> , 40, 101243	17.9	14
23	Questions about horse spleen ferritin crossing the blood brain barrier via mouse transferrin receptor 1. <i>Protein and Cell</i> , <b>2017</b> , 8, 788-790	7.2	13
22	Protein-protected metal nanoclusters as diagnostic and therapeutic platforms for biomedical applications. <i>Materials Today</i> , <b>2021</b> ,	21.8	13
21	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , <b>2021</b> , 1, 9-20		13
20	Bioengineered magnetoferritin nanozymes for pathological identification of high-risk and ruptured atherosclerotic plaques in humans. <i>Nano Research</i> , <b>2019</b> , 12, 863-868	10	12
19	Ferritin nanocage: A promising and designable multi-module platform for constructing dynamic nanoassembly-based drug nanocarrier. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 176, 113892	18.5	10
18	Endoscopic molecular imaging of early gastric cancer using fluorescently labeled human H-ferritin nanoparticle. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 2259-2270	6	8
17	Persistent luminescence-polypyrrole nanocomposite for dual-modal imaging and photothermal therapy of mammary cancer. <i>Talanta</i> , <b>2021</b> , 221, 121435	6.2	7
16	Bioengineered Dual-Targeting Protein Nanocage for Stereoscopic Loading of Synergistic Hydrophilic/Hydrophobic Drugs to Enhance Anticancer Efficacy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102004	15.6	6
15	Precise visual distinction of brain glioma from normal tissues via targeted photoacoustic and fluorescence navigation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 27, 102204	6	6
14	Black phosphorus quantum dots as multifunctional nanozymes for tumor photothermal/catalytic synergistic therapy. <i>Nano Research</i> , <b>2022</b> , 15, 1554	10	5
13	Re-engineering the inner surface of ferritin nanocage enables dual drug payloads for synergistic tumor therapy.. <i>Theranostics</i> , <b>2022</b> , 12, 1800-1815	12.1	4
12	Bioengineered Ferritin Nanoprobes for Cancer Theranostics <b>2018</b> , 143-175		3
11	Cerium Oxide Based Nanozymes. <i>Nanostructure Science and Technology</i> , <b>2020</b> , 279-329	0.9	3
10	Nanozyme-Based Tumor Theranostics. <i>Nanostructure Science and Technology</i> , <b>2020</b> , 425-457	0.9	3
9	The prototypes of nanozyme-based nanorobots. <i>Biophysics Reports</i> , <b>2020</b> , 6, 223-244	3.5	3
8	Nanozymes: a new choice for disease treatment. <i>Scientia Sinica Vitae</i> , <b>2020</b> , 50, 311-328	1.4	2

7	Nanocage-Based Capture-Detection System for the Clinical Diagnosis of Autoimmune Disease. <i>Small</i> , <b>2021</b> , 17, e2101655	11	2
6	Ferritin nanocages for early theranostics of tumors via inflammation-enhanced active targeting. <i>Science China Life Sciences</i> , <b>2021</b> , 1	8.5	2
5	Nanozyme: A promising tool from clinical diagnosis and environmental monitoring to wastewater treatment. <i>Particuology</i> , <b>2022</b> , 71, 90-107	2.8	2
4	The Advances of Nanozyme in Brain Disease <b>2019</b> , 139-179		1
3	Diagnosis of Autoimmune Diseases: Nanocage-Based Capture-Detection System for the Clinical Diagnosis of Autoimmune Disease (Small 25/2021). <i>Small</i> , <b>2021</b> , 17, 2170126	11	0
2	Nanozymes and Their Applications in Biomedicine <b>2020</b> , 15-1-15-22		
1	Synergistic Chemotherapy: Bioengineered Dual-Targeting Protein Nanocage for Stereoscopic Loading of Synergistic Hydrophilic/Hydrophobic Drugs to Enhance Anticancer Efficacy (Adv. Funct. Mater. 29/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170207	15.6	