

Kaiyuan Ni

List of Publications by Year in descending order

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41
papers

5,496
citations

126858

33
h-index

276775

41
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42
all docs

42
docs citations

42
times ranked

5856
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Metal-Organic Framework Overcomes Hypoxia for Photodynamic Therapy Primed Cancer Immunotherapy. <i>Journal of the American Chemical Society</i> , 2018, 140, 5670-5673.	6.6	557
2	Low-dose X-ray radiotherapy-radiodynamic therapy via nanoscale metal-organic frameworks enhances checkpoint blockade immunotherapy. <i>Nature Biomedical Engineering</i> , 2018, 2, 600-610.	11.6	438
3	Chlorin-Based Nanoscale Metal-Organic Framework Systemically Rejects Colorectal Cancers via Synergistic Photodynamic Therapy and Checkpoint Blockade Immunotherapy. <i>Journal of the American Chemical Society</i> , 2016, 138, 12502-12510.	6.6	429
4	Octapod iron oxide nanoparticles as high-performance T2 contrast agents for magnetic resonance imaging. <i>Nature Communications</i> , 2013, 4, 2266.	5.8	399
5	Nanoscale metal-organic frameworks for phototherapy of cancer. <i>Coordination Chemistry Reviews</i> , 2019, 379, 65-81.	9.5	309
6	Nanoscale metal-organic frameworks enhance radiotherapy to potentiate checkpoint blockade immunotherapy. <i>Nature Communications</i> , 2018, 9, 2351.	5.8	253
7	Nanoscale metal-organic frameworks for mitochondria-targeted radiotherapy-radiodynamic therapy. <i>Nature Communications</i> , 2018, 9, 4321.	5.8	243
8	Titanium-Based Nanoscale Metal-Organic Framework for Type I Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 4204-4208.	6.6	242
9	Intratumoral accumulation of gut microbiota facilitates CD47-based immunotherapy via STING signaling. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	172
10	Anisotropic Shaped Iron Oxide Nanostructures: Controlled Synthesis and Proton Relaxation Shortening Effects. <i>Chemistry of Materials</i> , 2015, 27, 3505-3515.	3.2	153
11	Nanoscale Metal-Organic Layers for Deeply Penetrating X-ray-Induced Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12102-12106.	7.2	146
12	A Nanoscale Metal-Organic Framework to Mediate Photodynamic Therapy and Deliver CpG Oligodeoxynucleotides to Enhance Antigen Presentation and Cancer Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1108-1112.	7.2	144
13	Renal Clearable Ultrasmall Single-Crystal Fe Nanoparticles for Highly Selective and Effective Ferroptosis Therapy and Immunotherapy. <i>Journal of the American Chemical Society</i> , 2021, 143, 15812-15823.	6.6	136
14	Nanoscale Metal-Organic Frameworks for Cancer Immunotherapy. <i>Accounts of Chemical Research</i> , 2020, 53, 1739-1748.	7.6	128
15	Nanoscale Metal-Organic Frameworks Stabilize Bacteriochlorins for Type I and Type II Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 7334-7339.	6.6	128
16	STING agonist delivery by tumour-penetrating PEG-lipid nanodiscs primes robust anticancer immunity. <i>Nature Materials</i> , 2022, 21, 710-720.	13.3	114
17	Nanoscale Metal-Organic Frameworks Generate Reactive Oxygen Species for Cancer Therapy. <i>ACS Central Science</i> , 2020, 6, 861-868.	5.3	110
18	Nanoscale Metal-Organic Framework Co-delivers TLR-7 Agonists and Anti-CD47 Antibodies to Modulate Macrophages and Orchestrate Cancer Immunotherapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 12579-12584.	6.6	107

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19	Nanoscale Metal-Organic Layers for Radiotherapy-Radiodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2018, 140, 16971-16975.	6.6	102
20	Nanoscale Metal-Organic Layer Isolates Phthalocyanines for Efficient Mitochondria-Targeted Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2021, 143, 2194-2199.	6.6	94
21	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
22	Ultrathin Metal-Organic-Layer Mediated Radiotherapy-Radiodynamic Therapy. <i>Matter</i> , 2019, 1, 1331-1353.	5.0	78
23	Biomimetic nanoscale metal-organic framework harnesses hypoxia for effective cancer radiotherapy and immunotherapy. <i>Chemical Science</i> , 2020, 11, 7641-7653.	3.7	78
24	Nanoscale Metal-Organic Framework Hierarchically Combines High-Z Components for Multifarious Radio-Enhancement. <i>Journal of the American Chemical Society</i> , 2019, 141, 6859-6863.	6.6	74
25	Multifunctional Nanoscale Metal-Organic Layers for Ratiometric pH and Oxygen Sensing. <i>Journal of the American Chemical Society</i> , 2019, 141, 18964-18969.	6.6	60
26	Nanoscale Metal-Organic Layers for Deeply Penetrating X-Ray-Induced Photodynamic Therapy. <i>Angewandte Chemie</i> , 2017, 129, 12270-12274.	1.6	59
27	Geometrically confined ultrasmall gadolinium oxide nanoparticles boost the T ₁ contrast ability. <i>Nanoscale</i> , 2016, 8, 3768-3774.	2.8	57
28	Cerium-Based Metal-Organic Layers Catalyze Hydrogen Evolution Reaction through Dual Photoexcitation. <i>Journal of the American Chemical Society</i> , 2020, 142, 6866-6871.	6.6	49
29	Synergistic checkpoint-blockade and radiotherapy-radiodynamic therapy via an immunomodulatory nanoscale metal-organic framework. <i>Nature Biomedical Engineering</i> , 2022, 6, 144-156.	11.6	47
30	Co-delivery of dihydroartemisinin and pyropheophorbide-iron elicits ferroptosis to potentiate cancer immunotherapy. <i>Biomaterials</i> , 2022, 280, 121315.	5.7	46
31	Recent advances in engineering iron oxide nanoparticles for effective magnetic resonance imaging. <i>Bioactive Materials</i> , 2022, 12, 214-245.	8.6	45
32	Nanoscale metal-organic frameworks for x-ray activated in situ cancer vaccination. <i>Science Advances</i> , 2020, 6, .	4.7	40
33	A Nanoscale Metal-Organic Framework to Mediate Photodynamic Therapy and Deliver CpG Oligodeoxynucleotides to Enhance Antigen Presentation and Cancer Immunotherapy. <i>Angewandte Chemie</i> , 2020, 132, 1124-1128.	1.6	34
34	Bifunctional Metal-Organic Layers for Tandem Catalytic Transformations Using Molecular Oxygen and Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2021, 143, 16718-16724.	6.6	28
35	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
36	Synergistic Enhancement of Fluorescence and Magnetic Resonance Signals Assisted by Albumin Aggregate for Dual-Modal Imaging. <i>ACS Nano</i> , 2021, 15, 9924-9934.	7.3	27

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37	Reprogramming of Neutrophils as Non-canonical Antigen Presenting Cells by Radiotherapyâ€“Radiodynamic Therapy to Facilitate Immune-Mediated Tumor Regression. ACS Nano, 2021, 15, 17515-17527.	7.3	22
38	Ultrathin metal-organic layer-mediated radiotherapy-radiodynamic therapy enhances immunotherapy of metastatic cancers. Matter, 2019, 1, 1331-1353.	5.0	20
39	Monte Carlo Simulations Reveal New Design Principles for Efficient Nanoradiosensitizers Based on Nanoscale Metalâ€“Organic Frameworks. Advanced Materials, 2021, 33, e2104249.	11.1	18
40	Engineering manganese ferrite shell on iron oxide nanoparticles for enhanced T1 magnetic resonance imaging. Journal of Colloid and Interface Science, 2022, 626, 364-373.	5.0	10
41	Dimethylaminomicheliolide Sensitizes Cancer Cells to Radiotherapy for Synergistic Combination with Immune Checkpoint Blockade. Advanced Therapeutics, 2022, 5, 2100160.	1.6	0