Yu Chen

List of Publications by Year
in descending order

362 papers	47,469 citations	1296 112 h-index	2289 206 g-index
371 all docs	371 docs citations	371 times ranked	45115 citing authors

#	Article	IF	Citations
1	Circulating mitochondrial DAMPs cause inflammatory responses to injury. Nature, 2010, 464, 104-107.	13.7	2,983
2	Reactive Oxygen Species (ROS)-Based Nanomedicine. Chemical Reviews, 2019, 119, 4881-4985.	23.0	1,519
3	Use of Arsenic Trioxide (As2O3) in the Treatment of Acute Promyelocytic Leukemia (APL): II. Clinical Efficacy and Pharmacokinetics in Relapsed Patients. Blood, 1997, 89, 3354-3360.	0.6	1,316
4	A library of atomically thin metal chalcogenides. Nature, 2018, 556, 355-359.	13.7	1,225
5	Dependency of a therapy-resistant state of cancer cells on a lipid peroxidase pathway. Nature, 2017, 547, 453-457.	13.7	1,194
6	Tumor-selective catalytic nanomedicine by nanocatalyst delivery. Nature Communications, 2017, 8, 357.	5.8	1,074
7	A Two-Dimensional Biodegradable Niobium Carbide (MXene) for Photothermal Tumor Eradication in NIR-I and NIR-II Biowindows. Journal of the American Chemical Society, 2017, 139, 16235-16247.	6.6	1,026
8	Two-Dimensional Ultrathin MXene Ceramic Nanosheets for Photothermal Conversion. Nano Letters, 2017, 17, 384-391.	4.5	953
9	Nuclear-Targeted Drug Delivery of TAT Peptide-Conjugated Monodisperse Mesoporous Silica Nanoparticles. Journal of the American Chemical Society, 2012, 134, 5722-5725.	6.6	899
10	Two-dimensional graphene analogues for biomedical applications. Chemical Society Reviews, 2015, 44, 2681-2701.	18.7	786
11	In Vivo Bioâ€Safety Evaluations and Diagnostic/Therapeutic Applications of Chemically Designed Mesoporous Silica Nanoparticles. Advanced Materials, 2013, 25, 3144-3176.	11.1	636
12	Nanoparticle-triggered in situ catalytic chemical reactions for tumour-specific therapy. Chemical Society Reviews, 2018, 47, 1938-1958.	18.7	616
13	Hollow/Rattle-Type Mesoporous Nanostructures by a Structural Difference-Based Selective Etching Strategy. ACS Nano, 2010, 4, 529-539.	7.3	615
14	Micro/Nanoparticleâ€Augmented Sonodynamic Therapy (SDT): Breaking the Depth Shallow of Photoactivation. Advanced Materials, 2016, 28, 8097-8129.	11.1	607
15	Core/Shell Structured Hollow Mesoporous Nanocapsules: A Potential Platform for Simultaneous Cell Imaging and Anticancer Drug Delivery. ACS Nano, 2010, 4, 6001-6013.	7.3	592
16	Metalloporphyrin-Encapsulated Biodegradable Nanosystems for Highly Efficient Magnetic Resonance Imaging-Guided Sonodynamic Cancer Therapy. Journal of the American Chemical Society, 2017, 139, 1275-1284.	6.6	535
17	Nanocatalytic Tumor Therapy by Biomimetic Dual Inorganic Nanozymeâ€Catalyzed Cascade Reaction. Advanced Science, 2019, 6, 1801733.	5.6	454
18	Nanoenzyme-Augmented Cancer Sonodynamic Therapy by Catalytic Tumor Oxygenation. ACS Nano, 2018, 12, 3780-3795.	7.3	437

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19	The effect of PEGylation of mesoporous silica nanoparticles on nonspecific binding of serum proteins and cellular responses. Biomaterials, 2010, 31, 1085-1092.	5.7	433
20	Theranostic 2D Tantalum Carbide (MXene). Advanced Materials, 2018, 30, 1703284.	11.1	422
21	Breakâ€up of Twoâ€Dimensional MnO₂ Nanosheets Promotes Ultrasensitive pHâ€Triggered Theranostics of Cancer. Advanced Materials, 2014, 26, 7019-7026.	11.1	404
22	Checkpoint blockade and nanosonosensitizer-augmented noninvasive sonodynamic therapy combination reduces tumour growth and metastases in mice. Nature Communications, 2019, 10, 2025.	5.8	404
23	Insights into 2D MXenes for Versatile Biomedical Applications: Current Advances and Challenges Ahead. Advanced Science, 2018, 5, 1800518.	5.6	397
24	Nanocatalytic Medicine. Advanced Materials, 2019, 31, e1901778.	11.1	396
25	A Facile Oneâ€Pot Synthesis of a Twoâ€Dimensional MoS₂/Bi₂S₃ Composite Theranostic Nanosystem for Multiâ€Modality Tumor Imaging and Therapy. Advanced Materials, 2015, 27, 2775-2782.	11.1	385
26	Oxygen-Deficient Black Titania for Synergistic/Enhanced Sonodynamic and Photoinduced Cancer Therapy at Near Infrared-II Biowindow. ACS Nano, 2018, 12, 4545-4555.	7.3	361
27	Controlled Intracellular Release of Doxorubicin in Multidrug-Resistant Cancer Cells by Tuning the Shell-Pore Sizes of Mesoporous Silica Nanoparticles. ACS Nano, 2011, 5, 9788-9798.	7.3	353
28	Two-Dimensional Tantalum Carbide (MXenes) Composite Nanosheets for Multiple Imaging-Guided Photothermal Tumor Ablation. ACS Nano, 2017, 11, 12696-12712.	7.3	350
29	Nanocatalystsâ€Augmented and Photothermalâ€Enhanced Tumorâ€Specific Sequential Nanocatalytic Therapy in Both NIRâ€I and NIRâ€II Biowindows. Advanced Materials, 2019, 31, e1805919.	11.1	347
30	Hollow Mesoporous Organosilica Nanoparticles: A Generic Intelligent Framework-Hybridization Approach for Biomedicine. Journal of the American Chemical Society, 2014, 136, 16326-16334.	6.6	338
31	Piezocatalytic Tumor Therapy by Ultrasoundâ€Triggered and BaTiO₃â€Mediated Piezoelectricity. Advanced Materials, 2020, 32, e2001976.	11.1	320
32	2D Ultrathin MXeneâ€Based Drugâ€Delivery Nanoplatform for Synergistic Photothermal Ablation and Chemotherapy of Cancer. Advanced Healthcare Materials, 2018, 7, e1701394.	3.9	316
33	Biocompatible PEGylated MoS2 nanosheets: Controllable bottom-up synthesis and highly efficient photothermal regression of tumor. Biomaterials, 2015, 39, 206-217.	5.7	304
34	Chemistry of Mesoporous Organosilica in Nanotechnology: Molecularly Organicâ€“Inorganic Hybridization into Frameworks. Advanced Materials, 2016, 28, 3235-3272.	11.1	291
35	High-quality monolayer superconductor NbSe2 grown by chemical vapour deposition. Nature Communications, 2017, 8, 394.	5.8	290
36	Construction of Homogenous/Heterogeneous Hollow Mesoporous Silica Nanostructures by Silica-Etching Chemistry: Principles, Synthesis, and Applications. Accounts of Chemical Research, 2014, 47, 125-137.	7.6	286

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37	Biocompatible 2D Titanium Carbide (MXenes) Composite Nanosheets for pH-Responsive MRI-Guided Tumor Hyperthermia. Chemistry of Materials, 2017, 29, 8637-8652.	3.2	285
38	2Dâ€Blackâ€Phosphorusâ€Reinforced 3Dâ€Printed Scaffolds:A Stepwise Countermeasure for Osteosarcoma. Advanced Materials, 2018, 30, 1705611.	11.1	284
39	Manganese oxide-based multifunctionalized mesoporous silica nanoparticles for pH-responsive MRI, ultrasonography and circumvention of MDR in cancer cells. Biomaterials, 2012, 33, 7126-7137.	5.7	278
40	Gold Nanoclusters and Graphene Nanocomposites for Drug Delivery and Imaging of Cancer Cells. Angewandte Chemie - International Edition, 2011, 50, 11644-11648.	7.2	275
41	Largeâ€Pore Ultrasmall Mesoporous Organosilica Nanoparticles: Micelle/Precursor Coâ€templating Assembly and Nuclearâ€Targeted Gene Delivery. Advanced Materials, 2015, 27, 215-222.	11.1	266
42	Singleâ€Atom Catalysts in Catalytic Biomedicine. Advanced Materials, 2020, 32, e1905994.	11.1	260
43	The three-stage in vitro degradation behavior of mesoporous silica in simulated body fluid. Microporous and Mesoporous Materials, 2010, 131, 314-320.	2.2	257
44	Ultrasmall Fe₃O₄ Nanoparticle/MoS₂ Nanosheet Composites with Superior Performances for Lithium Ion Batteries. Small, 2014, 10, 1536-1543.	5.2	257
45	Two-Dimensional Graphene Augments Nanosonosensitized Sonocatalytic Tumor Eradication. ACS Nano, 2017, 11, 9467-9480.	7.3	248
46	â€œManganese Extractionâ€•Strategy Enables Tumor-Sensitive Biodegradability and Theranostics of Nanoparticles. Journal of the American Chemical Society, 2016, 138, 9881-9894.	6.6	246
47	Large Poreâ€Sized Hollow Mesoporous Organosilica for Redoxâ€Responsive Gene Delivery and Synergistic Cancer Chemotherapy. Advanced Materials, 2016, 28, 1963-1969.	11.1	245
48	Nanocatalysts-augmented Fenton chemical reaction for nanocatalytic tumor therapy. Biomaterials, 2019, 211, 1-13.	5.7	243
49	Multifunctional Mesoporous Nanoellipsoids for Biological Bimodal Imaging and Magnetically Targeted Delivery of Anticancer Drugs. Advanced Functional Materials, 2011, 21, 270-278.	7.8	239
50	Injectable 2D MoS₂â€Integrated Drug Delivering Implant for Highly Efficient NIRâ€Triggered Synergistic Tumor Hyperthermia. Advanced Materials, 2015, 27, 7117-7122.	11.1	238
51	A Bifunctional Biomaterial with Photothermal Effect forÂTumor Therapy and Bone Regeneration. Advanced Functional Materials, 2016, 26, 1197-1208.	7.8	238
52	Enhanced Tumor-Specific Disulfiram Chemotherapy by In Situ Cu²⁺ Chelation-Initiated Nontoxicity-to-Toxicity Transition. Journal of the American Chemical Society, 2019, 141, 11531-11539.	6.6	237
53	Exosome Biochemistry and Advanced Nanotechnology for Nextâ€Generation Theranostic Platforms. Advanced Materials, 2019, 31, e1802896.	11.1	234
54	Nanocatalytic Tumor Therapy by Single-Atom Catalysts. ACS Nano, 2019, 13, 2643-2653.	7.3	234

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55	In vivocontinuous-wave optical breast imaging enhanced with Indocyanine Green. Medical Physics, 2003, 30, 1039-1047.	1.6	230
56	Au capped magnetic core/mesoporous silica shell nanoparticles for combined photothermo-/chemo-therapy and multimodal imaging. Biomaterials, 2012, 33, 989-998.	5.7	230
57	Bioinspired Copper Singleâ€Atom Catalysts for Tumor Parallel Catalytic Therapy. Advanced Materials, 2020, 32, e2002246.	11.1	230
58	Ultrasound-Triggered Nitric Oxide Release Platform Based on Energy Transformation for Targeted Inhibition of Pancreatic Tumor. ACS Nano, 2016, 10, 10816-10828.	7.3	229
59	Gasâ€Generating Nanoplatforms: Material Chemistry, Multifunctionality, and Gas Therapy. Advanced Materials, 2018, 30, e1801964.	11.1	225
60	Ultrasmall Cu2-xS nanodots as photothermal-enhanced Fenton nanocatalysts for synergistic tumor therapy at NIR-II biowindow. Biomaterials, 2019, 206, 101-114.	5.7	223
61	2D vanadium carbide MXenzyme to alleviate ROS-mediated inflammatory and neurodegenerative diseases. Nature Communications, 2021, 12, 2203.	5.8	222
62	A Metalâ€Organic Framework (MOF) Fenton Nanoagentâ€Enabled Nanocatalytic Cancer Therapy in Synergy with Autophagy Inhibition. Advanced Materials, 2020, 32, e1907152.	11.1	220
63	Two-dimensional non-carbonaceous materials-enabled efficient photothermal cancer therapy. Nano Today, 2016, 11, 292-308.	6.2	210
64	Organelle-targeting metal complexes: From molecular design to bio-applications. Coordination Chemistry Reviews, 2019, 378, 66-86.	9.5	210
65	Solvothermal synthesis of cobalt ferrite nanoparticles loaded on multiwalled carbon nanotubes for magnetic resonance imaging and drug delivery. Acta Biomaterialia, 2011, 7, 3496-3504.	4.1	209
66	Perfluorohexaneâ€Encapsulated Mesoporous Silica Nanocapsules as Enhancement Agents for Highly Efficient High Intensity Focused Ultrasound (HIFU). Advanced Materials, 2012, 24, 785-791.	11.1	207
67	Colloidal HPMO Nanoparticles: Silicaâ€Etching Chemistry Tailoring, Topological Transformation, and Nanoâ€Biomedical Applications. Advanced Materials, 2013, 25, 3100-3105.	11.1	205
68	Colloidal RBCâ€Shaped, Hydrophilic, and Hollow Mesoporous Carbon Nanocapsules for Highly Efficient Biomedical Engineering. Advanced Materials, 2014, 26, 4294-4301.	11.1	196
69	Superparamagnetic PLGA-iron oxide microcapsules for dual-modality US/MR imaging and high intensity focused US breast cancer ablation. Biomaterials, 2012, 33, 5854-5864.	5.7	185
70	2D Superparamagnetic Tantalum Carbide Composite MXenes for Efficient Breast-Cancer Theranostics. Theranostics, 2018, 8, 1648-1664.	4.6	185
71	2D MXeneâ€Integrated 3Dâ€Printing Scaffolds for Augmented Osteosarcoma Phototherapy and Accelerated Tissue Reconstruction. Advanced Science, 2020, 7, 1901511.	5.6	185
72	Ultrasmall Cu_{2â€x}S Nanodots for Highly Efficient Photoacoustic Imagingâ€Guided Photothermal Therapy. Small, 2015, 11, 2275-2283.	5.2	184

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73	Surface Nanopore Engineering of 2D MXenes for Targeted and Synergistic Multitherapies of Hepatocellular Carcinoma. Advanced Materials, 2018, 30, e1706981.	11.1	182
74	Molecularly organic/inorganic hybrid hollow mesoporous organosilica nanocapsules with tumor-specific biodegradability and enhanced chemotherapeutic functionality. Biomaterials, 2017, 125, 23-37.	5.7	178
75	Theranostic 2D ultrathin MnO2 nanosheets with fast responsibility to endogenous tumor microenvironment and exogenous NIR irradiation. Biomaterials, 2018, 155, 54-63.	5.7	169
76	Biocompatibility, MR imaging and targeted drug delivery of a rattle-type magnetic mesoporous silica nanosphere system conjugated with PEG and cancer-cell-specific ligands. Journal of Materials Chemistry, 2011, 21, 3037.	6.7	167
77	Multifunctional Mesoporous Composite Nanocapsules for Highly Efficient MRIâ€Guided Highâ€Intensity Focused Ultrasound Cancer Surgery. Angewandte Chemie - International Edition, 2011, 50, 12505-12509.	7.2	166
78	Microbubbles from Gasâ€Generating Perfluorohexane Nanoemulsions for Targeted Temperatureâ€Sensitive Ultrasonography and Synergistic HIFU Ablation of Tumors. Advanced Materials, 2013, 25, 4123-4130.	11.1	160
79	Highly Catalytic Niobium Carbide (MXene) Promotes Hematopoietic Recovery after Radiation by Free Radical Scavenging. ACS Nano, 2019, 13, 6438-6454.	7.3	160
80	Tumor Microenvironmentâ€Enabled Nanotherapy. Advanced Healthcare Materials, 2018, 7, e1701156.	3.9	158
81	Therapeutic mesopore construction on 2D Nb₂C MXenes for targeted and enhanced chemo-photothermal cancer therapy in NIR-II biowindow. Theranostics, 2018, 8, 4491-4508.	4.6	158
82	Two-dimensional black phosphorus nanosheets for theranostic nanomedicine. Materials Horizons, 2017, 4, 800-816.	6.4	155
83	Plasmonic and Catalytic AuPd Nanowheels for the Efficient Conversion of Light into Chemical Energy. Angewandte Chemie - International Edition, 2013, 52, 6063-6067.	7.2	152
84	Ultrathin Molybdenum Carbide MXene with Fast Biodegradability for Highly Efficient Theoryâ€Oriented Photonic Tumor Hyperthermia. Advanced Functional Materials, 2019, 29, 1901942.	7.8	150
85	N-doped hierarchically macro/mesoporous carbon with excellent electrocatalytic activity and durability for oxygen reduction reaction. Carbon, 2015, 86, 108-117.	5.4	145
86	Iron-engineered mesoporous silica nanocatalyst with biodegradable and catalytic framework for tumor-specific therapy. Biomaterials, 2018, 163, 1-13.	5.7	144
87	A Uniform Subâ€50â€…nmâ€Sized Magnetic/Upconversion Fluorescent Bimodal Imaging Agent Capable of Generating Singlet Oxygen by Using a 980â€…nm Laser. Chemistry - A European Journal, 2012, 18, 7082-7090.	1.7	143
88	Continuous inertial cavitation evokes massive ROS for reinforcing sonodynamic therapy and immunogenic cell death against breast carcinoma. Nano Today, 2021, 36, 101009.	6.2	140
89	Inorganic Nanoparticle-Based Drug Codelivery Nanosystems To Overcome the Multidrug Resistance of Cancer Cells. Molecular Pharmaceutics, 2014, 11, 2495-2510.	2.3	139
90	Mitochondriaâ€Targeted Artificial â€œNanoâ€RBCsâ€• for Amplified Synergistic Cancer Phototherapy by a Single NIR Irradiation. Advanced Science, 2018, 5, 1800049.	5.6	138

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91	Drug Release from Phase-Changeable Nanodroplets Triggered by Low-Intensity Focused Ultrasound. Theranostics, 2018, 8, 1327-1339.	4.6	138
92	Inorganic nanoparticles in clinical trials and translations. Nano Today, 2020, 35, 100972.	6.2	138
93	Structure-property relationships in manganese oxide - mesoporous silica nanoparticles used for T1-weighted MRI and simultaneous anti-cancer drug delivery. Biomaterials, 2012, 33, 2388-2398.	5.7	135
94	Au-nanoparticle coated mesoporous silica nanocapsule-based multifunctional platform for ultrasound mediated imaging, cytoclasis and tumor ablation. Biomaterials, 2013, 34, 2057-2068.	5.7	135
95	Two-dimensional MXene-reinforced robust surface superhydrophobicity with self-cleaning and photothermal-actuating binary effects. Materials Horizons, 2019, 6, 1057-1065.	6.4	135
96	Endogenous Catalytic Generation of O₂ Bubbles for In Situ Ultrasound-Guided High Intensity Focused Ultrasound Ablation. ACS Nano, 2017, 11, 9093-9102.	7.3	133
97	Material Chemistry of Two-Dimensional Inorganic Nanosheets in Cancer Theranostics. CheM, 2018, 4, 1284-1313.	5.8	132
98	Construction of Singleâ€Ironâ€Atom Nanocatalysts for Highly Efficient Catalytic Antibiotics. Small, 2019, 15, e1901834.	5.2	132
99	Synergistic Sonodynamic/Chemotherapeutic Suppression of Hepatocellular Carcinoma by Targeted Biodegradable Mesoporous Nanosonosensitizers. Advanced Functional Materials, 2018, 28, 1800145.	7.8	131
100	Photosynthetic Tumor Oxygenation by Photosensitizerâ€Containing Cyanobacteria for Enhanced Photodynamic Therapy. Angewandte Chemie - International Edition, 2020, 59, 1906-1913.	7.2	131
101	Two-dimensional biomaterials: material science, biological effect and biomedical engineering applications. Chemical Society Reviews, 2021, 50, 11381-11485.	18.7	129
102	Double mesoporous silica shelled spherical/ellipsoidal nanostructures: Synthesis and hydrophilic/hydrophobic anticancer drug delivery. Journal of Materials Chemistry, 2011, 21, 5290.	6.7	128
103	Engineering Inorganic Nanoemulsions/Nanoliposomes by Fluorideâ€Silica Chemistry for Efficient Delivery/Coâ€Delivery of Hydrophobic Agents. Advanced Functional Materials, 2012, 22, 1586-1597.	7.8	128
104	Ultrasmall mesoporous organosilica nanoparticles: Morphology modulations and redox-responsive biodegradability for tumor-specific drug delivery. Biomaterials, 2018, 161, 292-305.	5.7	127
105	Inorganic Nanoshell-Stabilized Liquid Metal for Targeted Photonanomedicine in NIR-II Biowindow. Nano Letters, 2019, 19, 2128-2137.	4.5	127
106	Perfluoropentane-Encapsulated Hollow Mesoporous Prussian Blue Nanocubes for Activated Ultrasound Imaging and Photothermal Therapy of Cancer. ACS Applied Materials & Interfaces, 2015, 7, 4579-4588.	4.0	126
107	Magnetic Hyperthermiaâ€“Synergistic H₂O₂ Selfâ€Sufficient Catalytic Suppression of Osteosarcoma with Enhanced Boneâ€Regeneration Bioactivity by 3Dâ€Printing Composite Scaffolds. Advanced Functional Materials, 2020, 30, 1907071.	7.8	126
108	The Coppery Age: Copper (Cu)â€Involved Nanotheranostics. Advanced Science, 2020, 7, 2001549.	5.6	126

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109	Insights into the unique functionality of inorganic micro/nanoparticles for versatile ultrasound theranostics. Biomaterials, 2017, 142, 13-30.	5.7	120
110	Mesoporous silica/organosilica nanoparticles: Synthesis, biological effect and biomedical application. Materials Science and Engineering Reports, 2019, 137, 66-105.	14.8	119
111	Reversible Poreâ€Structure Evolution in Hollow Silica Nanocapsules: Large Pores for siRNA Delivery and Nanoparticle Collecting. Small, 2011, 7, 2935-2944.	5.2	117
112	Emerging Nanomedicineâ€Enabled/Enhanced Nanodynamic Therapies beyond Traditional Photodynamics. Advanced Materials, 2021, 33, e2005062.	11.1	117
113	Methotrexate-loaded PLGA nanobubbles for ultrasound imaging and Synergistic Targeted therapy of residual tumor during HIFU ablation. Biomaterials, 2014, 35, 5148-5161.	5.7	116
114	Multifunctional Graphene Oxideâ€based Triple Stimuliâ€Responsive Nanotheranostics. Advanced Functional Materials, 2014, 24, 4386-4396.	7.8	115
115	Hypoxia-Irrelevant Photonic Thermodynamic Cancer Nanomedicine. ACS Nano, 2019, 13, 2223-2235.	7.3	115
116	Core-shell hierarchical mesostructured silica nanoparticles for gene/chemo-synergetic stepwise therapy of multidrug-resistant cancer. Biomaterials, 2017, 133, 219-228.	5.7	114
117	A polyoxometalate-functionalized two-dimensional titanium carbide composite MXene for effective cancer theranostics. Nano Research, 2018, 11, 4149-4168.	5.8	112
118	Silicene: Wetâ€Chemical Exfoliation Synthesis and Biodegradable Tumor Nanomedicine. Advanced Materials, 2019, 31, e1903013.	11.1	112
119	Copperâ€Enriched Prussian Blue Nanomedicine for In Situ Disulfiram Toxification and Photothermal Antitumor Amplification. Advanced Materials, 2020, 32, e2000542.	11.1	112
120	Biodegradable 2D Feâ€“Al Hydroxide for Nanocatalytic Tumorâ€Dynamic Therapy with Tumor Specificity. Advanced Science, 2018, 5, 1801155.	5.6	100
121	2D magnetic titanium carbide MXene for cancer theranostics. Journal of Materials Chemistry B, 2018, 6, 3541-3548.	2.9	99
122	Engineering 2D Mesoporous Silica@MXeneâ€Integrated 3Dâ€Printing Scaffolds for Combinatory Osteosarcoma Therapy and NOâ€Augmented Bone Regeneration. Small, 2020, 16, e1906814.	5.2	98
123	Nanoparticle-enhanced synergistic HIFU ablation and transarterial chemoembolization for efficient cancer therapy. Nanoscale, 2016, 8, 4324-4339.	2.8	95
124	Manganeseâ€Based Functional Nanoplatforms: Nanosynthetic Construction, Physiochemical Property, and Theranostic Applicability. Advanced Functional Materials, 2020, 30, 1907066.	7.8	95
125	Extravascular gelation shrinkage-derived internal stress enables tumor starvation therapy with suppressed metastasis and recurrence. Nature Communications, 2019, 10, 5380.	5.8	93
126	Bioinspired Multifunctional Melanin-Based Nanoliposome for Photoacoustic/Magnetic Resonance Imaging-Guided Efficient Photothermal Ablation of Cancer. Theranostics, 2018, 8, 1591-1606.	4.6	88

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127	Self-assembled organic nanomedicine enables ultrastable photo-to-heat converting theranostics in the second near-infrared biowindow. Nature Communications, 2021, 12, 218.	5.8	88
128	Multifunctional Bi2S3/PLGA nanocapsule for combined HIFU/radiation therapy. Biomaterials, 2014, 35, 8197-8205.	5.7	85
129	Tumorâ€Specific Chemotherapy by Nanomedicineâ€Enabled Differential Stress Sensitization. Angewandte Chemie - International Edition, 2020, 59, 9693-9701.	7.2	85
130	Sonoâ€Controllable and ROSâ€Sensitive CRISPRâ€Cas9 Genome Editing for Augmented/Synergistic Ultrasound Tumor Nanotherapy. Advanced Materials, 2021, 33, e2104641.	11.1	85
131	Hyaluronic acid-conjugated mesoporous silica nanoparticles: excellent colloidal dispersity in physiological fluids and targeting efficacy. Journal of Materials Chemistry, 2012, 22, 5615.	6.7	83
132	Highly efficient adsorbents based on hierarchically macro/mesoporous carbon monoliths with strong hydrophobicity. Carbon, 2014, 66, 547-559.	5.4	83
133	A facile synthesis of versatile Cu2â^'xS nanoprobe for enhanced MRI and infrared thermal/photoacoustic multimodal imaging. Biomaterials, 2015, 57, 12-21.	5.7	83
134	Energyâ€Converting Nanomedicine. Small, 2019, 15, e1805339.	5.2	82
135	Nb2C MXene-Functionalized Scaffolds Enables Osteosarcoma Phototherapy and Angiogenesis/Osteogenesis of Bone Defects. Nano-Micro Letters, 2021, 13, 30.	14.4	82
136	Cancer cell membrane camouflaged iridium complexes functionalized black-titanium nanoparticles for hierarchical-targeted synergistic NIR-II photothermal and sonodynamic therapy. Biomaterials, 2021, 275, 120979.	5.7	82
137	A continuous tri-phase transition effect for HIFU-mediated intravenous drug delivery. Biomaterials, 2014, 35, 5875-5885.	5.7	80
138	In Vivo Targeted, Responsive, and Synergistic Cancer Nanotheranostics by Magnetic Resonance Imaging-Guided Synergistic High-Intensity Focused Ultrasound Ablation and Chemotherapy. ACS Applied Materials & Interfaces, 2018, 10, 15428-15441.	4.0	80
139	Peptidomimetic inhibitors of APCâ€“Asef interaction block colorectal cancer migration. Nature Chemical Biology, 2017, 13, 994-1001.	3.9	79
140	An Intelligent Nanotheranostic Agent for Targeting, Redoxâ€Responsive Ultrasound Imaging, and Imagingâ€Guided Highâ€Intensity Focused Ultrasound Synergistic Therapy. Small, 2014, 10, 1403-1411.	5.2	78
141	Mesoporous manganese silicate coated silica nanoparticles as multi-stimuli-responsive T1-MRI contrast agents and drug delivery carriers. Acta Biomaterialia, 2016, 30, 378-387.	4.1	78
142	Materials Chemistry of Nanoultrasonic Biomedicine. Advanced Materials, 2017, 29, 1604105.	11.1	76
143	Augmenting Tumorâ€Starvation Therapy by Cancer Cell Autophagy Inhibition. Advanced Science, 2020, 7, 1902847.	5.6	76
144	Mitochondriaâ€specific nanocatalysts for chemotherapyâ€augmented sequential chemoreactive tumor therapy. Exploration, 2021, 1, 50-60.	5.4	76

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145	Magnetostrictive-Piezoelectric-Triggered Nanocatalytic Tumor Therapy. Nano Letters, 2021, 21, 6764-6772.	4.5	75
146	Triggering Sequential Catalytic Fenton Reaction on 2D MXenes for Hyperthermia-Augmented Synergistic Nanocatalytic Cancer Therapy. ACS Applied Materials & Interfaces, 2019, 11, 42917-42931.	4.0	74
147	Two-dimensional titanium carbide MXenes as efficient non-noble metal electrocatalysts for oxygen reduction reaction. Science China Materials, 2019, 62, 662-670.	3.5	74
148	Cocrystal Strategy toward Multifunctional 3Dâ€Printing Scaffolds Enables NIRâ€Activated Photonic Osteosarcoma Hyperthermia and Enhanced Bone Defect Regeneration. Advanced Functional Materials, 2020, 30, 1909938.	7.8	74
149	Injectable Smart Phaseâ€Transformation Implants for Highly Efficient In Vivo Magneticâ€Hyperthermia Regression of Tumors. Advanced Materials, 2014, 26, 7468-7473.	11.1	72
150	Focused Ultrasoundâ€Augmented Delivery of Biodegradable Multifunctional Nanoplatforms for Imagingâ€Guided Brain Tumor Treatment. Advanced Science, 2018, 5, 1700474.	5.6	71
151	Catalytic chemistry of iron-free Fenton nanocatalysts for versatile radical nanotherapeutics. Materials Horizons, 2020, 7, 317-337.	6.4	71
152	Enhancement of tumor lethality of ROS in photodynamic therapy. Cancer Medicine, 2021, 10, 257-268.	1.3	70
153	Engineering Singleâ€Atomic Ironâ€Catalystâ€Integrated 3Dâ€Printed Bioscaffolds for Osteosarcoma Destruction with Antibacterial and Bone Defect Regeneration Bioactivity. Advanced Materials, 2021, 33, e2100150.	11.1	70
154	Biomedical engineering of two-dimensional MXenes. Advanced Drug Delivery Reviews, 2022, 184, 114178.	6.6	69
155	Site-specific sonocatalytic tumor suppression by chemically engineered single-crystalline mesoporous titanium dioxide sonosensitizers. Journal of Materials Chemistry B, 2017, 5, 4579-4586.	2.9	68
156	Ultrasmall Confined Iron Oxide Nanoparticle MSNs as a pHâ€Responsive Theranostic Platform. Advanced Functional Materials, 2014, 24, 4273-4283.	7.8	66
157	Versatile pH-response Micelles with High Cell-Penetrating Helical Diblock Copolymers for Photoacoustic Imaging Guided Synergistic Chemo-Photothermal Therapy. Theranostics, 2016, 6, 2170-2182.	4.6	65
158	Rhodamine B-co-condensed spherical SBA-15 nanoparticles: facile co-condensation synthesis and excellent fluorescence features. Journal of Materials Chemistry, 2009, 19, 3395.	6.7	64
159	Chemoreactive Nanotherapeutics by Metal Peroxide Based Nanomedicine. Advanced Science, 2021, 8, 2000494.	5.6	64
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