

Yu Chen

List of Publications by Year in descending order

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362
papers

47,469
citations

1296

112
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all docs

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docs citations

371
times ranked

45115
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ capture and conversion to value-added products promoted by MXene-based materials. <i>Green Energy and Environment</i> , 2022, 7, 394-410.	4.7	54
2	2D antimonene-integrated composite nanomedicine for augmented low-temperature photonic tumor hyperthermia by reversing cell thermoresistance. <i>Bioactive Materials</i> , 2022, 10, 295-305.	8.6	16
3	Persistent luminescence phosphor as in-vivo light source for tumoral cyanobacterial photosynthetic oxygenation and photodynamic therapy. <i>Bioactive Materials</i> , 2022, 10, 131-144.	8.6	23
4	Ultrasound-Augmented Nanocatalytic Ferroptosis Reverses Chemotherapeutic Resistance and Induces Synergistic Tumor Nanotherapy. <i>Advanced Functional Materials</i> , 2022, 32, 2107529.	7.8	43
5	Local delivery and controlled release of miR-34a loaded in hydroxyapatite/mesoporous organosilica nanoparticles composite-coated implant wire to accelerate bone fracture healing. <i>Biomaterials</i> , 2022, 280, 121300.	5.7	18
6	Engineering Ultrasmall Ferroptosis-Targeting and Reactive Oxygen/Nitrogen Species-Scavenging Nanozyme for Alleviating Acute Kidney Injury. <i>Advanced Functional Materials</i> , 2022, 32, 2109221.	7.8	30
7	Engineering Electronic Band Structure of Binary Thermoelectric Nanocatalysts for Augmented Pyrocatalytic Tumor Nanotherapy. <i>Advanced Materials</i> , 2022, 34, e2106773.	11.1	42
8	Photosynthetic Oxygenation-Augmented Sonodynamic Nanotherapy of Hypoxic Tumors. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102135.	3.9	32
9	Multifunctional Composite Nanosystems for Precise/Enhanced Sonodynamic Oxidative Tumor Treatment. <i>Bioconjugate Chemistry</i> , 2022, 33, 1035-1048.	1.8	4
10	Two-dimensional persistent luminescence optical battery for autophagy inhibition-augmented photodynamic tumor nanotherapy. <i>Nano Today</i> , 2022, 42, 101362.	6.2	16
11	Two-dimensional semiconductor heterojunction nanostructure for mutually synergistic sonodynamic and chemoreactive cancer nanotherapy. <i>Chemical Engineering Journal</i> , 2022, 431, 134017.	6.6	13
12	Redox chemistry-enabled stepwise surface dual nanoparticle engineering of 2D MXenes for tumor-sensitive T ₁ and T ₂ MRI-guided photonic breast-cancer hyperthermia in the NIR-II biowindow. <i>Biomaterials Science</i> , 2022, 10, 1562-1574.	2.6	16
13	Degradable mesoporous semimetal antimony nanospheres for near-infrared II multimodal theranostics. <i>Nature Communications</i> , 2022, 13, 539.	5.8	17
14	Oxygen-evolving photosynthetic cyanobacteria for 2D bismuthene radiosensitizer-enhanced cancer radiotherapy. <i>Bioactive Materials</i> , 2022, 17, 276-288.	8.6	13
15	Engineering 2D Cu-composed metal-organic framework nanosheets for augmented nanocatalytic tumor therapy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 66.	4.2	22
16	Ocular Nanomedicine. <i>Advanced Science</i> , 2022, 9, e2003699.	5.6	26
17	Programmed self-assembly of enzyme activity-inhibited nanomedicine for augmenting chemodynamic tumor nanotherapy. <i>Nanoscale</i> , 2022, 14, 6171-6183.	2.8	6
18	Engineering ROS-Responsive Bioscaffolds for Disrupting Myeloid Cell-Driven Immunosuppressive Niche to Enhance PD-L1 Blockade-Based Postablative Immunotherapy. <i>Advanced Science</i> , 2022, 9, e2104619.	5.6	14

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19	Hard-templated engineering of versatile 2D amorphous metal oxide nanosheets. <i>Nanotechnology</i> , 2022, 33, 245602.	1.3	3
20	Sequential Ultrasound-Triggered and Hypoxia-Sensitive Nanoprodrug for Cascade Amplification of Sonochemotherapy. <i>ACS Nano</i> , 2022, 16, 5439-5453.	7.3	44
21	Biomedical engineering of two-dimensional MXenes. <i>Advanced Drug Delivery Reviews</i> , 2022, 184, 114178.	6.6	69
22	Starvation therapy enabled "switch-on" NIR-II photothermal nanoagent for synergistic in situ photothermal immunotherapy. <i>Nano Today</i> , 2022, 44, 101461.	6.2	42
23	Engineering vanadium carbide MXene as multi-enzyme mimetics for efficient in vivo ischemic stroke treatment. <i>Chemical Engineering Journal</i> , 2022, 440, 135810.	6.6	21
24	LIFU-responsive nanomedicine enables acoustic droplet vaporization-induced apoptosis of macrophages for stabilizing vulnerable atherosclerotic plaques. <i>Bioactive Materials</i> , 2022, 16, 120-133.	8.6	21
25	Engineering defected 2D Pd/H-TiO ₂ nanosonosensitizers for hypoxia alleviation and enhanced sono-chemodynamic cancer nanotherapy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 186.	4.2	28
26	Oxygen-independent Sulfate Radical for Stimuli-Responsive Tumor Nanotherapy. <i>Advanced Science</i> , 2022, 9, e2200974.	5.6	18
27	Cascade-activatable NO release based on GSH-detonated "nanobomb" for multi-pathways cancer therapy. <i>Materials Today Bio</i> , 2022, 14, 100288.	2.6	12
28	Engineering Chemotherapeutic-Augmented Calcium Phosphate Nanoparticles for Treatment of Intraperitoneal Disseminated Ovarian Cancer. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21954-21965.	4.0	9
29	2D Polymer Nanonets: Controllable Constructions and Functional Applications. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200250.	2.0	3
30	Nanoparticle-enhanced radiotherapy synergizes with PD-L1 blockade to limit post-surgical cancer recurrence and metastasis. <i>Nature Communications</i> , 2022, 13, .	5.8	60
31	Two-Dimensional MXene-Originated <i>In Situ</i> Nanosonosensitizer Generation for Augmented and Synergistic Sonodynamic Tumor Nanotherapy. <i>ACS Nano</i> , 2022, 16, 9938-9952.	7.3	59
32	Nanobiomimetic Medicine. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
33	Engineering 2D Silicene-Based Mesoporous Nanomedicine for In Vivo Near-Infrared-Triggered Analgesia. <i>Advanced Science</i> , 2022, 9, .	5.6	8
34	Biomedical Applications of MXene-Integrated Composites: Regenerative Medicine, Infection Therapy, Cancer Treatment, and Biosensing. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	62
35	Biomedical Applications of MXenes: From Nanomedicine to Biomaterials. <i>Accounts of Materials Research</i> , 2022, 3, 785-798.	5.9	38
36	Engineering dual catalytic nanomedicine for autophagy-augmented and ferroptosis-involved cancer nanotherapy. <i>Biomaterials</i> , 2022, 287, 121668.	5.7	30

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37	Enhancement of tumor lethality of ROS in photodynamic therapy. <i>Cancer Medicine</i> , 2021, 10, 257-268.	1.3	70
38	Engineering two-dimensional silicene composite nanosheets for dual-sensitized and photonic hyperthermia-augmented cancer radiotherapy. <i>Biomaterials</i> , 2021, 269, 120455.	5.7	36
39	Tumor-responsive copper-activated disulfiram for synergetic nanocatalytic tumor therapy. <i>Nano Research</i> , 2021, 14, 205-211.	5.8	39
40	Chemoreactive Nanotherapeutics by Metal Peroxide Based Nanomedicine. <i>Advanced Science</i> , 2021, 8, 2000494.	5.6	64
41	Combinatorial Photothermal 3D Printing Scaffold and Checkpoint Blockade Inhibits Growth/Metastasis of Breast Cancer to Bone and Accelerates Osteogenesis. <i>Advanced Functional Materials</i> , 2021, 31, 2006214.	7.8	53
42	Continuous inertial cavitation evokes massive ROS for reinforcing sonodynamic therapy and immunogenic cell death against breast carcinoma. <i>Nano Today</i> , 2021, 36, 101009.	6.2	140
43	Engineering 2D Multifunctional Ultrathin Bismuthene for Multiple Photonic Nanomedicine. <i>Advanced Functional Materials</i> , 2021, 31, 2005093.	7.8	40
44	Extracellular-vesicles delivered tumor-specific sequential nanocatalysts can be used for MRI-informed nanocatalytic Therapy of hepatocellular carcinoma. <i>Theranostics</i> , 2021, 11, 64-78.	4.6	17
45	Nanomedicine enables autophagy-enhanced cancer-cell ferroptosis. <i>Science Bulletin</i> , 2021, 66, 464-477.	4.3	26
46	Energy-converting biomaterials for cancer therapy: Category, efficiency, and biosafety. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1663.	3.3	11
47	Degradable and Excretable Ultrasmall Transition Metal Selenide Nanodots for High-Performance Computed Tomography Bioimaging-Guided Photonic Tumor Nanomedicine in NIR-II Biowindow. <i>Advanced Functional Materials</i> , 2021, 31, 2008591.	7.8	23
48	Two-dimensional biomaterials: material science, biological effect and biomedical engineering applications. <i>Chemical Society Reviews</i> , 2021, 50, 11381-11485.	18.7	129
49	A dual enzyme-mimicking radical generator for enhanced photodynamic therapy via series-parallel catalysis. <i>Nanoscale</i> , 2021, 13, 17386-17395.	2.8	10
50	FePS ₃ Nanosheets: Preparation and Potential in Photothermal-photodynamic Therapy. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2021, 36, 1074.	0.6	7
51	Nb ₂ C MXene-Functionalized Scaffolds Enables Osteosarcoma Phototherapy and Angiogenesis/Osteogenesis of Bone Defects. <i>Nano-Micro Letters</i> , 2021, 13, 30.	14.4	82
52	Molecular insights into MXene destructing the cell membrane as a "nano thermal blade". <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3341-3350.	1.3	21
53	MoS ₂ nanosheets chemically modified with metal phthalocyanine via mussel-inspired chemistry for multifunctional memristive devices. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6930-6936.	2.7	8
54	Engineering Oxygen-irrelevant Radical Nanogenerator for Hypoxia-independent Magnetothermodynamic Tumor Nanotherapy. <i>Small Methods</i> , 2021, 5, e2001087.	4.6	15

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55	Self-assembled organic nanomedicine enables ultrastable photo-to-heat converting theranostics in the second near-infrared biowindow. <i>Nature Communications</i> , 2021, 12, 218.	5.8	88
56	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
57	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
58	Upconversion Nanoparticles Hybridized Cyanobacterial Cells for Near-Infrared Mediated Photosynthesis and Enhanced Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2010196.	7.8	45
59	Emerging Nanomedicine Enabled/Enhanced Nanodynamic Therapies beyond Traditional Photodynamics. <i>Advanced Materials</i> , 2021, 33, e2005062.	11.1	117
60	Nanomedicine Enables Drug-Potency Activation with Tumor Sensitivity and Hyperthermia Synergy in the Second Near-Infrared Biowindow. <i>ACS Nano</i> , 2021, 15, 6457-6470.	7.3	58
61	Antimony Nanopolyhedrons with Tunable Localized Surface Plasmon Resonances for Highly Effective Photoacoustic Imaging Guided Synergistic Photothermal/Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2100039.	11.1	32
62	2D vanadium carbide MXene to alleviate ROS-mediated inflammatory and neurodegenerative diseases. <i>Nature Communications</i> , 2021, 12, 2203.	5.8	222
63	Inorganic chemoreactive nanosensitizers with unique physicochemical properties and structural features for versatile sonodynamic nanotherapies. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 032006.	1.7	22
64	Engineering 2D Arsenic Phosphorus Theranostic Nanosheets. <i>Advanced Functional Materials</i> , 2021, 31, 2101660.	7.8	11
65	Autophagy blockade synergistically enhances nanosensitizer-enabled sonodynamic cancer nanotherapeutics. <i>Journal of Nanobiotechnology</i> , 2021, 19, 112.	4.2	28
66	2D Core/Shell Structured Mesoporous Silicene@Silica for Targeted and Synergistic NIR-Induced Photothermal Ablation and Hypoxia Activated Chemotherapy of Tumors. <i>Advanced Functional Materials</i> , 2021, 31, 2102043.	7.8	23
67	Multi-enzymatic activities of ultrasmall ruthenium oxide for anti-inflammation and neuroprotection. <i>Chemical Engineering Journal</i> , 2021, 411, 128543.	6.6	32
68	Multifunctional cascade nanocatalysts for NIR-II-synergized photonic hyperthermia-strengthened nanocatalytic therapy of epithelial and embryonal tumors. <i>Chemical Engineering Journal</i> , 2021, 411, 128364.	6.6	14
69	Two-Dimensional Silicene/Silicon Nanosheets: An Emerging Silicon Composed Nanostructure in Biomedicine. <i>Advanced Materials</i> , 2021, 33, e2008226.	11.1	21
70	Engineering Magnetic Micro/Nanorobots for Versatile Biomedical Applications. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000267.	3.3	41
71	Silica nanoparticles boost plant resistance against pathogens. <i>Science Bulletin</i> , 2021, 66, 1151-1153.	4.3	3
72	Engineering Janus Chemoreactive Nanosensitizers for Bilaterally Augmented Sonodynamic and Chemodynamic Cancer Nanotherapy. <i>Advanced Functional Materials</i> , 2021, 31, 2103134.	7.8	58

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73	Engineering Single-Atomic Iron-Catalyst-Integrated 3D-Printed Bioscaffolds for Osteosarcoma Destruction with Antibacterial and Bone Defect Regeneration Bioactivity. <i>Advanced Materials</i> , 2021, 33, e2100150.	11.1	70
74	Oxygen-Independent Photocleavage of Radical Nanogenerator for Near-IR-Gated and H ₂ O ₂ -Mediated Free-Radical Nanotherapy. <i>Advanced Materials</i> , 2021, 33, e2100129.	11.1	27
75	Trimodal Sono/Photoinduced Focal Therapy for Localized Prostate Cancer: Single-Drug-Based Nanosensitizer under Dual-Activation. <i>Advanced Functional Materials</i> , 2021, 31, 2104473.	7.8	13
76	Cancer cell membrane camouflaged iridium complexes functionalized black-titanium nanoparticles for hierarchical-targeted synergistic NIR-II photothermal and sonodynamic therapy. <i>Biomaterials</i> , 2021, 275, 120979.	5.7	82
77	Autophagy-Dependent Apoptosis Induced by Apoferritin-Cu(II) Nanoparticles in Multidrug-Resistant Colon Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38959-38968.	4.0	17
78	Ultrathin 2D Inorganic Ancient Pigment Decorated 3D-Printing Scaffold Enables Photonic Hyperthermia of Osteosarcoma in NIR-II Biowindow and Concurrently Augments Bone Regeneration. <i>Advanced Science</i> , 2021, 8, e2101739.	5.6	34
79	Mitochondria-specific nanocatalysts for chemotherapy-augmented sequential chemoreactive tumor therapy. <i>Exploration</i> , 2021, 1, 50-60.	5.4	76
80	From mouse to mouse-ear cross: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021, 1, 9-20.	5.4	27
81	Targeting ferroptosis synergistically sensitizes apoptotic sonodynamic anti-tumor nanotherapy. <i>Nano Today</i> , 2021, 39, 101212.	6.2	59
82	Magnetostrictive-Piezoelectric-Triggered Nanocatalytic Tumor Therapy. <i>Nano Letters</i> , 2021, 21, 6764-6772.	4.5	75
83	Sono-Controllable and ROS-Sensitive CRISPR-Cas9 Genome Editing for Augmented/Synergistic Ultrasound Tumor Nanotherapy. <i>Advanced Materials</i> , 2021, 33, e2104641.	11.1	85
84	PEGylated Indium Nanoparticles: A Metallic Contrast Agent for Multiwavelength Photoacoustic Imaging and Second Near-Infrared Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46343-46352.	4.0	11
85	Biodegradable cascade nanocatalysts enable tumor-microenvironment remodeling for controllable CO release and targeted/synergistic cancer nanotherapy. <i>Biomaterials</i> , 2021, 276, 121001.	5.7	35
86	Co-delivery of nanoparticle and molecular drug by hollow mesoporous organosilica for tumor-activated and photothermal-augmented chemotherapy of breast cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 290.	4.2	18
87	CRISPR/Cas9-2D Silicene Gene-Editing Nanosystem for Remote NIR-II-Induced Tumor Microenvironment Reprogramming and Augmented Photonic Tumor Ablation. <i>Advanced Functional Materials</i> , 2021, 31, 2107093.	7.8	25
88	Chemotherapy-enabled/augmented cascade catalytic tumor-oxidative nanotherapy. <i>Biomaterials</i> , 2021, 277, 121071.	5.7	51
89	High-efficiency water purification for methyl orange and lead(II) by eco-friendly magnetic sulfur-doped graphene-like carbon-supported layered double oxide. <i>Journal of Hazardous Materials</i> , 2021, 419, 126406.	6.5	22
90	Photosynthetic oxygen-self-generated 3D-printing microbial scaffold enhances osteosarcoma elimination and prompts bone regeneration. <i>Nano Today</i> , 2021, 41, 101297.	6.2	20

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91	NIR-I and NIR-II irradiation tumor ablation using NbS ₂ nanosheets as the photothermal agent. <i>Nanoscale</i> , 2021, 13, 18300-18310.	2.8	12
92	Biodegradable and Excretable 2D W _{1.33} C ₁ MXene with Vacancy Ordering for Theory-Oriented Cancer Nanotheranostics in Near-Infrared Biowindow. <i>Advanced Science</i> , 2021, 8, e2101043.	5.6	36
93	Biomimetic nanomedicine toward personalized disease theranostics. <i>Nano Research</i> , 2021, 14, 2491-2511.	5.8	17
94	Nanoprotection Against Retinal Pigment Epithelium Degeneration via Ferroptosis Inhibition. <i>Small Methods</i> , 2021, 5, e2100848.	4.6	15
95	Tailoring Chemoimmunostimulant Bioscaffolds for Inhibiting Tumor Growth and Metastasis after Incomplete Microwave Ablation. <i>ACS Nano</i> , 2021, 15, 20414-20429.	7.3	18
96	Ultrasound-Controlled CRISPR/Cas9 System Augments Sonodynamic Therapy of Hepatocellular Carcinoma. <i>ACS Central Science</i> , 2021, 7, 2049-2062.	5.3	44
97	Confined nanoparticles growth within hollow mesoporous nanoreactors for highly efficient MRI-guided photodynamic therapy. <i>Chemical Engineering Journal</i> , 2020, 379, 122251.	6.6	23
98	Construction of Pepstatin A-Conjugated ultrasmall SPIONs for targeted positive MR imaging of epilepsy-overexpressed P-glycoprotein. <i>Biomaterials</i> , 2020, 230, 119581.	5.7	22
99	Manganese-Based Functional Nanoplatfoms: Nanosynthetic Construction, Physiochemical Property, and Theranostic Applicability. <i>Advanced Functional Materials</i> , 2020, 30, 1907066.	7.8	95
100	Magnetic Hyperthermia-Synergistic H ₂ O ₂ Self-Sufficient Catalytic Suppression of Osteosarcoma with Enhanced Bone-Regeneration Bioactivity by 3D-Printing Composite Scaffolds. <i>Advanced Functional Materials</i> , 2020, 30, 1907071.	7.8	126
101	Photosynthetic Tumor Oxygenation by Photosensitizer-Containing Cyanobacteria for Enhanced Photodynamic Therapy. <i>Angewandte Chemie</i> , 2020, 132, 1922-1929.	1.6	20
102	Photosynthetic Tumor Oxygenation by Photosensitizer-Containing Cyanobacteria for Enhanced Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1906-1913.	7.2	131
103	Catalytic chemistry of iron-free Fenton nanocatalysts for versatile radical nanotherapeutics. <i>Materials Horizons</i> , 2020, 7, 317-337.	6.4	71
104	Chemistry of two-dimensional MXene nanosheets in theranostic nanomedicine. <i>Chinese Chemical Letters</i> , 2020, 31, 937-946.	4.8	52
105	2D MXene-Integrated 3D-Printing Scaffolds for Augmented Osteosarcoma Phototherapy and Accelerated Tissue Reconstruction. <i>Advanced Science</i> , 2020, 7, 1901511.	5.6	185
106	Nanomedicine-Enabled Photonic Thermogaseous Cancer Therapy. <i>Advanced Science</i> , 2020, 7, 1901954.	5.6	59
107	Inorganic nanoparticles in clinical trials and translations. <i>Nano Today</i> , 2020, 35, 100972.	6.2	138
108	NIR-Light-Activated Ratiometric Fluorescent Hybrid Micelles for High Spatiotemporally Controlled Biological Imaging and Chemotherapy. <i>Small</i> , 2020, 16, e2005667.	5.2	23

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109	Materdicine: Interdiscipline of materials and medicine. <i>View</i> , 2020, 1, 20200016.	2.7	22
110	Bioinspired Copper Single-Atom Catalysts for Tumor Parallel Catalytic Therapy. <i>Advanced Materials</i> , 2020, 32, e2002246.	11.1	230
111	Potentiated cytosolic drug delivery and photonic hyperthermia by 2D free-standing silicene nanosheets for tumor nanomedicine. <i>Nanoscale</i> , 2020, 12, 17931-17946.	2.8	20
112	A dual mode nanophotonics concept for in situ activation of brain immune cells using a photoswitchable yolk-shell upconversion nanoformulation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102279.	1.7	7
113	Tyrosinase-activated prodrug nanomedicine as oxidative stress amplifier for melanoma-specific treatment. <i>Biomaterials</i> , 2020, 259, 120329.	5.7	41
114	Surface Oxidation Modulates the Interfacial and Lateral Thermal Migration of MXene (Ti ₃ C ₂ T _x) Flakes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9521-9527.	2.1	13
115	Microalgae-enabled photosynthetic alleviation of tumor hypoxia for enhanced nanotherapies. <i>Science Bulletin</i> , 2020, 65, 1869-1871.	4.3	10
116	Ultrasmall Ag ₂ Te Quantum Dots with Rapid Clearance for Amplified Computed Tomography Imaging and Augmented Photonic Tumor Hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42558-42566.	4.0	25
117	Photonic hyperthermal and sonodynamic nanotherapy targeting oral squamous cell carcinoma. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9084-9093.	2.9	18
118	Tailored Chemodynamic Nanomedicine Improves Pancreatic Cancer Treatment via Controllable Damaging Neoplastic Cells and Reprogramming Tumor Microenvironment. <i>Nano Letters</i> , 2020, 20, 6780-6790.	4.5	47
119	The Coppery Age: Copper (Cu)-Involved Nanotheranostics. <i>Advanced Science</i> , 2020, 7, 2001549.	5.6	126
120	Chitosan-Gated Fluorescent Mesoporous Silica Nanocarriers for the Real-Time Monitoring of Drug Release. <i>Langmuir</i> , 2020, 36, 6749-6756.	1.6	16
121	Oxygen Pathology and Oxygen-Functional Materials for Therapeutics. <i>Matter</i> , 2020, 2, 1115-1147.	5.0	8
122	Piezocatalytic Tumor Therapy by Ultrasound-Triggered and BaTiO ₃ -Mediated Piezoelectricity. <i>Advanced Materials</i> , 2020, 32, e2001976.	11.1	320
123	Lysine demethylase KDM3A regulates nanophotonic hyperthermia resistance generated by 2D silicene in breast cancer. <i>Biomaterials</i> , 2020, 255, 120181.	5.7	21
124	Two-dimensional silicene composite nanosheets enable exogenous/endogenous-responsive and synergistic hyperthermia-augmented catalytic tumor theranostics. <i>Biomaterials</i> , 2020, 256, 120206.	5.7	55
125	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9693-9701.	7.2	85
126	Copper-Enriched Prussian Blue Nanomedicine for In Situ Disulfiram Toxicification and Photothermal Antitumor Amplification. <i>Advanced Materials</i> , 2020, 32, e2000542.	11.1	112

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127	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. <i>Angewandte Chemie</i> , 2020, 132, 9780-9788.	1.6	13
128	Dual-targeting and excretable ultrasmall SPIONs for T_1 -weighted positive MR imaging of intracranial glioblastoma cells by targeting the lipoprotein receptor-related protein. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2296-2306.	2.9	34
129	Advanced Theragenerative Biomaterials with Therapeutic and Regeneration Multifunctionality. <i>Advanced Functional Materials</i> , 2020, 30, 2002621.	7.8	35
130	Lithium silicate-based bioceramics promoting chondrocyte maturation by immunomodulating M2 macrophage polarization. <i>Biomaterials Science</i> , 2020, 8, 4521-4534.	2.6	22
131	Energy Conversion-Based Nanotherapy for Rheumatoid Arthritis Treatment. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 652.	2.0	12
132	Defect engineering of 2D BiOCl nanosheets for photonic tumor ablation. <i>Nanoscale Horizons</i> , 2020, 5, 857-868.	4.1	33
133	Engineering 2D Mesoporous Silica@MXene-Integrated 3D-Printing Scaffolds for Combinatory Osteosarcoma Therapy and NO-Augmented Bone Regeneration. <i>Small</i> , 2020, 16, e1906814.	5.2	98
134	Nanomaterials/microorganism-integrated microbiotic nanomedicine. <i>Nano Today</i> , 2020, 32, 100854.	6.2	35
135	A Metal-Organic Framework (MOF) Fenton Nanoagent-Enabled Nanocatalytic Cancer Therapy in Synergy with Autophagy Inhibition. <i>Advanced Materials</i> , 2020, 32, e1907152.	11.1	220
136	A self-assembled carrier-free nanosonosensitizer for photoacoustic imaging-guided synergistic chemo-sonodynamic cancer therapy. <i>Nanoscale</i> , 2020, 12, 5587-5600.	2.8	46
137	Virus-Inspired Deformable Mesoporous Nanocomposites for High Efficiency Drug Delivery. <i>Small</i> , 2020, 16, 1906028.	5.2	10
138	Augmenting Tumor-Starvation Therapy by Cancer Cell Autophagy Inhibition. <i>Advanced Science</i> , 2020, 7, 1902847.	5.6	76
139	Nucleus-targeting ultrasmall ruthenium(IV) oxide nanoparticles for photoacoustic imaging and low-temperature photothermal therapy in the NIR-II window. <i>Chemical Communications</i> , 2020, 56, 3019-3022.	2.2	30
140	Self-Assembled/Drug-Composed Nanomedicine for Synergistic Photonic Hyperthermia and Targeted Therapy of Breast Cancer by Inhibiting ERK, AKT, and STAT3 Signaling Cascades. <i>Advanced Functional Materials</i> , 2020, 30, 1908907.	7.8	11
141	Single-Atom Catalysts in Catalytic Biomedicine. <i>Advanced Materials</i> , 2020, 32, e1905994.	11.1	260
142	Cocrystal Strategy toward Multifunctional 3D-Printing Scaffolds Enables NIR-Activated Photonic Osteosarcoma Hyperthermia and Enhanced Bone Defect Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 1909938.	7.8	74
143	Chemoreactive nanomedicine. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6753-6764.	2.9	18
144	A two-dimensional MXene potentiates a therapeutic microneedle patch for photonic implantable medicine in the second NIR biowindow. <i>Nanoscale</i> , 2020, 12, 10265-10276.	2.8	47

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