Yu Chen

List of Publications by Year in Descending Order

351 papers	32,584 citations	94 h-index	174 g-index
371 ext. papers	39,638 ext. citations	13.4 avg, IF	7.98 L-index

#	Paper	IF	Citations
351	Redox chemistry-enabled stepwise surface dual nanoparticle engineering of 2D MXenes for tumor-sensitive and MRI-guided photonic breast-cancer hyperthermia in the NIR-II biowindow.. *Biomaterials Science*, **2022**,	7.4	2
350	Degradable mesoporous semimetal antimony nanospheres for near-infrared II multimodal theranostics.. *Nature Communications*, **2022**, 13, 539	17.4	3
349	Oxygen-evolving photosynthetic cyanobacteria for 2D bismuthene radiosensitizer-enhanced cancer radiotherapy.. *Bioactive Materials*, **2022**, 17, 276-288	16.7	2
348	Engineering 2D Cu-composed metal-organic framework nanosheets for augmented nanocatalytic tumor therapy.. *Journal of Nanobiotechnology*, **2022**, 20, 66	9.4	3
347	Ocular Nanomedicine.. *Advanced Science*, **2022**, e2003699	13.6	5
346	Two-dimensional persistent luminescence "optical battery" for autophagy inhibition-augmented photodynamic tumor nanotherapy. *Nano Today*, **2022**, 42, 101362	17.9	3
345	Two-dimensional semiconductor heterojunction nanostructure for mutually synergistic sonodynamic and chemoreactive cancer nanotherapy. *Chemical Engineering Journal*, **2022**, 431, 134017	14.7	2
344	2D antimonene-integrated composite nanomedicine for augmented low-temperature photonic tumor hyperthermia by reversing cell thermoresistance.. *Bioactive Materials*, **2022**, 10, 295-305	16.7	5
343	Persistent luminescence phosphor as light source for tumoral cyanobacterial photosynthetic oxygenation and photodynamic therapy.. *Bioactive Materials*, **2022**, 10, 131-144	16.7	4
342	Engineering ROS-Responsive Bioscaffolds for Disrupting Myeloid Cell-Driven Immunosuppressive Niche to Enhance PD-L1 Blockade-Based Postablative Immunotherapy.. *Advanced Science*, **2022**, e2104619	13.6	2
341	Hard-templated engineering of versatile 2D amorphous metal oxide nanosheets.. *Nanotechnology*, **2022**,	3.4	1
340	Biomedical Engineering of Two-Dimensional MXenes.. *Advanced Drug Delivery Reviews*, **2022**, 114178	18.5	6
339	Starvation therapy enabled "switch-on" NIR-II photothermal nanoagent for synergistic in situ photothermal immunotherapy. *Nano Today*, **2022**, 44, 101461	17.9	8
338	Engineering vanadium carbide MXene as multienzyme mimetics for efficient in vivo ischemic stroke treatment. *Chemical Engineering Journal*, **2022**, 440, 135810	14.7	2
337	LIFU-responsive nanomedicine enables acoustic droplet vaporization-induced apoptosis of macrophages for stabilizing vulnerable atherosclerotic plaques.. *Bioactive Materials*, **2022**, 16, 120-133	16.7	0
336	Engineering defected 2D Pd/H-TiO nanosonosensitizers for hypoxia alleviation and enhanced sono-chemodynamic cancer nanotherapy.. *Journal of Nanobiotechnology*, **2022**, 20, 186	9.4	4
335	Oxygen-Independent Sulfate Radical for Stimuli-Responsive Tumor Nanotherapy.. *Advanced Science* , **2022**, e2200974	13.6	2

334	Cascade-activatable NO release based on GSH-detonated nanobomb for multi-pathways cancer therapy. *Materials Today Bio*, **2022**, 100288	9.9	2
333	2D Polymer Nanonets: Controllable Constructions and Functional Applications.. *Macromolecular Rapid Communications*, **2022**, e2200250	4.8	0
332	Local delivery and controlled release of miR-34a loaded in hydroxyapatite/mesoporous organosilica nanoparticles composite-coated implant wire to accelerate bone fracture healing.. *Biomaterials*, **2021**, 280, 121300	15.6	1
331	Engineering Electronic Band Structure of Binary Thermoelectric Nanocatalysts for Augmented Pyrocatalytic Tumor Nanotherapy. *Advanced Materials*, **2021**, 34, e2106773	24	6
330	Nanoprotection Against Retinal Pigment Epithelium Degeneration via Ferroptosis Inhibition.. *Small Methods*, **2021**, 5, e2100848	12.8	4
329	Photosynthetic Oxygenation-Augmented Sonodynamic Nanotherapy of Hypoxic Tumors. *Advanced Healthcare Materials*, **2021**, e2102135	10.1	4
328	NIR -I and NIR-II irradiation tumor ablation using NbS nanosheets as the photothermal agent. *Nanoscale*, **2021**, 13, 18300-18310	7.7	5
327	Biodegradable and Excretable 2D W C i-MXene with Vacancy Ordering for Theory-Oriented Cancer Nanotheranostics in Near-Infrared Biowindow. *Advanced Science*, **2021**, 8, e2101043	13.6	7
326	Biomimetic nanomedicine toward personalized disease theranostics. *Nano Research*, **2021**, 14, 2491-2511	10	5
325	Nanomedicine Enables Drug-Potency Activation with Tumor Sensitivity and Hyperthermia Synergy in the Second Near-Infrared Biowindow. *ACS Nano*, **2021**, 15, 6457-6470	16.7	18
324	Antimony Nanopolyhedrons with Tunable Localized Surface Plasmon Resonances for Highly Effective Photoacoustic-Imaging-Guided Synergistic Photothermal/Immunotherapy. *Advanced Materials*, **2021**, 33, e2100039	24	15
323	2D vanadium carbide MXenzyme to alleviate ROS-mediated inflammatory and neurodegenerative diseases. *Nature Communications*, **2021**, 12, 2203	17.4	46
322	Inorganic chemoreactive nanosonosensitzers with unique physiochemical properties and structural features for versatile sonodynamic nanotherapies. *Biomedical Materials (Bristol)*, **2021**, 16,	3.5	5
321	Engineering 2D Arsenic-Phosphorus Theranostic Nanosheets. *Advanced Functional Materials*, **2021**, 31, 2101660	15.6	3
320	Autophagy blockade synergistically enhances nanosonosensitizer-enabled sonodynamic cancer nanotherapeutics. *Journal of Nanobiotechnology*, **2021**, 19, 112	9.4	5
319	2D Core/Shell-Structured Mesoporous Silicene@Silica for Targeted and Synergistic NIR-II-Induced Photothermal Ablation and Hypoxia-Activated Chemotherapy of Tumors. *Advanced Functional Materials*, **2021**, 31, 2102043	15.6	9
318	Multi-enzymatic activities of ultrasmall ruthenium oxide for anti-inflammation and neuroprotection. *Chemical Engineering Journal*, **2021**, 411, 128543	14.7	13
317	Multifunctional cascade nanocatalysts for NIR-II-synergized photonic hyperthermia-strengthened nanocatalytic therapy of epithelial and embryonal tumors. *Chemical Engineering Journal*, **2021**, 411, 128364	14.7	5

316	Two-Dimensional Silicene/Silicon Nanosheets: An Emerging Silicon-Composed Nanostructure in Biomedicine. *Advanced Materials*, **2021**, 33, e2008226	24	7
315	Engineering Magnetic Micro/Nanorobots for Versatile Biomedical Applications. *Advanced Intelligent Systems*, **2021**, 3, 2000267	6	16
314	Silica nanoparticles boost plant resistance against pathogens. *Science Bulletin*, **2021**, 66, 1151-1153	10.6	1
313	Engineering Janus Chemoreactive Nanosonosensitizers for Bilaterally Augmented Sonodynamic and Chemodynamic Cancer Nanotherapy. *Advanced Functional Materials*, **2021**, 31, 2103134	15.6	14
312	Engineering Single-Atomic Iron-Catalyst-Integrated 3D-Printed Bioscaffolds for Osteosarcoma Destruction with Antibacterial and Bone Defect Regeneration Bioactivity. *Advanced Materials*, **2021**, 33, e2100150	24	14
311	Enhancement of tumor lethality of ROS in photodynamic therapy. *Cancer Medicine*, **2021**, 10, 257-268	4.8	26
310	Engineering two-dimensional silicene composite nanosheets for dual-sensitized and photonic hyperthermia-augmented cancer radiotherapy. *Biomaterials*, **2021**, 269, 120455	15.6	19
309	Tumor-responsive copper-activated disulfiram for synergetic nanocatalytic tumor therapy. *Nano Research*, **2021**, 14, 205-211	10	15
308	Combinatorial Photothermal 3D-Printing Scaffold and Checkpoint Blockade Inhibits Growth/Metastasis of Breast Cancer to Bone and Accelerates Osteogenesis. *Advanced Functional Materials*, **2021**, 31, 2006214	15.6	13
307	Continuous inertial cavitation evokes massive ROS for reinforcing sonodynamic therapy and immunogenic cell death against breast carcinoma. *Nano Today*, **2021**, 36, 101009	17.9	48
306	Engineering 2D Multifunctional Ultrathin Bismuthene for Multiple Photonic Nanomedicine. *Advanced Functional Materials*, **2021**, 31, 2005093	15.6	14
305	Extracellular-vesicles delivered tumor-specific sequential nanocatalysts can be used for MRI-informed nanocatalytic Therapy of hepatocellular carcinoma. *Theranostics*, **2021**, 11, 64-78	12.1	8
304	Nanomedicine enables autophagy-enhanced cancer-cell ferroptosis. *Science Bulletin*, **2021**, 66, 464-477	10.6	7
303	Energy-converting biomaterials for cancer therapy: Category, efficiency, and biosafety. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2021**, 13, e1663	9.2	4
302	Degradable and Excretable Ultrasmall Transition Metal Selenide Nanodots for High-Performance Computed Tomography Bioimaging-Guided Photonic Tumor Nanomedicine in NIR-II Biowindow. *Advanced Functional Materials*, **2021**, 31, 2008591	15.6	10
301	Two-dimensional biomaterials: material science, biological effect and biomedical engineering applications. *Chemical Society Reviews*, **2021**, 50, 11381-11485	58.5	23
300	A dual enzyme-mimicking radical generator for enhanced photodynamic therapy series-parallel catalysis. *Nanoscale*, **2021**, 13, 17386-17395	7.7	4
299	FePS3 Nanosheets: Preparation and Potential in Photothermal-photodynamic Therapy. *Wuji Cailiao Xuebao/Journal of Inorganic Materials*, **2021**, 36, 1074	1	5

298	NbC MXene-Functionalized Scaffolds Enables Osteosarcoma Phototherapy and Angiogenesis/Osteogenesis of Bone Defects. *Nano-Micro Letters*, **2021**, 13, 30	19.5	16
297	Molecular insights into MXene destructing the cell membrane as a "nano thermal blade". *Physical Chemistry Chemical Physics*, **2021**, 23, 3341-3350	3.6	7
296	Engineering Oxygen-Irrelevant Radical Nanogenerator for Hypoxia-Independent Magnetothermodynamic Tumor Nanotherapy.. *Small Methods*, **2021**, 5, e2001087	12.8	7
295	Self-assembled organic nanomedicine enables ultrastable photo-to-heat converting theranostics in the second near-infrared biowindow. *Nature Communications*, **2021**, 12, 218	17.4	34
294	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cell-Membrane-Destructive Stresses and Enables Rapid Sterilization. *Angewandte Chemie - International Edition*, **2021**, 60, 7744-7751	16.4	8
293	Synergetic Lipid Extraction with Oxidative Damage Amplifies Cell-Membrane-Destructive Stresses and Enables Rapid Sterilization. *Angewandte Chemie*, **2021**, 133, 7823-7830	3.6	5
292	Upconversion Nanoparticles Hybridized Cyanobacterial Cells for Near-Infrared Mediated Photosynthesis and Enhanced Photodynamic Therapy. *Advanced Functional Materials*, **2021**, 31, 2010196	15.6	15
291	Emerging Nanomedicine-Enabled/Enhanced Nanodynamic Therapies beyond Traditional Photodynamics. *Advanced Materials*, **2021**, 33, e2005062	24	40
290	Oxygen-Independent Photocleavage of Radical Nanogenerator for Near-IR-Gated and H O-Mediated Free-Radical Nanotherapy. *Advanced Materials*, **2021**, 33, e2100129	24	6
289	Cancer cell membrane camouflaged iridium complexes functionalized black-titanium nanoparticles for hierarchical-targeted synergistic NIR-II photothermal and sonodynamic therapy. *Biomaterials*, **2021**, 275, 120979	15.6	18
288	Autophagy-Dependent Apoptosis Induced by Apoferritin-Cu(II) Nanoparticles in Multidrug-Resistant Colon Cancer Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 38959-38968	9.5	3
287	Ultrathin 2D Inorganic Ancient Pigment Decorated 3D-Printing Scaffold Enables Photonic Hyperthermia of Osteosarcoma in NIR-II Biowindow and Concurrently Augments Bone Regeneration. *Advanced Science*, **2021**, 8, e2101739	13.6	3
286	Mitochondria-specific nanocatalysts for chemotherapy-augmented sequential chemoreactive tumor therapy. *Exploration*, **2021**, 1, 50-60		20
285	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. *Exploration*, **2021**, 1, 9-20		13
284	Targeting ferroptosis synergistically sensitizes apoptotic sonodynamic anti-tumor nanotherapy. *Nano Today*, **2021**, 39, 101212	17.9	11
283	Magnetostrictive-Piezoelectric-Triggered Nanocatalytic Tumor Therapy. *Nano Letters*, **2021**, 21, 6764-6772	12.5	17
282	Sono-Controllable and ROS-Sensitive CRISPR-Cas9 Genome Editing for Augmented/Synergistic Ultrasound Tumor Nanotherapy. *Advanced Materials*, **2021**, 33, e2104641	24	17
281	PEGylated Indium Nanoparticles: A Metallic Contrast Agent for Multiwavelength Photoacoustic Imaging and Second Near-Infrared Photothermal Therapy. *ACS Applied Materials & Interfaces*, **2021**, 13, 46343-46352	9.5	3

280	Biodegradable cascade nanocatalysts enable tumor-microenvironment remodeling for controllable CO release and targeted/synergistic cancer nanotherapy. *Biomaterials*, **2021**, 276, 121001	15.6	5
279	Co-delivery of nanoparticle and molecular drug by hollow mesoporous organosilica for tumor-activated and photothermal-augmented chemotherapy of breast cancer. *Journal of Nanobiotechnology*, **2021**, 19, 290	9.4	2
278	Chemotherapy-enabled/augmented cascade catalytic tumor-oxidative nanotherapy. *Biomaterials*, **2021**, 277, 121071	15.6	11
277	High-efficiency water purification for methyl orange and lead(II) by eco-friendly magnetic sulfur-doped graphene-like carbon-supported layered double oxide. *Journal of Hazardous Materials*, **2021**, 419, 126406	12.8	7
276	Photosynthetic oxygen-self-generated 3D-printing microbial scaffold enhances osteosarcoma elimination and prompts bone regeneration. *Nano Today*, **2021**, 41, 101297	17.9	4
275	Ultrasound-Controlled CRISPR/Cas9 System Augments Sonodynamic Therapy of Hepatocellular Carcinoma.. *ACS Central Science*, **2021**, 7, 2049-2062	16.8	8
274	Chitosan-Gated Fluorescent Mesoporous Silica Nanocarriers for the Real-Time Monitoring of Drug Release. *Langmuir*, **2020**, 36, 6749-6756	4	9
273	Oxygen Pathology and Oxygen-Functional Materials for Therapeutics. *Matter*, **2020**, 2, 1115-1147	12.7	6
272	Piezocatalytic Tumor Therapy by Ultrasound-Triggered and BaTiO -Mediated Piezoelectricity. *Advanced Materials*, **2020**, 32, e2001976	24	103
271	Lysine demethylase KDM3A regulates nanophotonic hyperthermia resistance generated by 2D silicene in breast cancer. *Biomaterials*, **2020**, 255, 120181	15.6	15
270	Two-dimensional silicene composite nanosheets enable exogenous/endogenous-responsive and synergistic hyperthermia-augmented catalytic tumor theranostics. *Biomaterials*, **2020**, 256, 120206	15.6	34
269	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. *Angewandte Chemie - International Edition*, **2020**, 59, 9693-9701	16.4	42
268	Copper-Enriched Prussian Blue Nanomedicine for In Situ Disulfiram Toxification and Photothermal Antitumor Amplification. *Advanced Materials*, **2020**, 32, e2000542	24	54
267	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. *Angewandte Chemie*, **2020**, 132, 9780-9788	3.6	8
266	Dual-targeting and excretable ultrasmall SPIONs for T-weighted positive MR imaging of intracranial glioblastoma cells by targeting the lipoprotein receptor-related protein. *Journal of Materials Chemistry B*, **2020**, 8, 2296-2306	7.3	19
265	Advanced Theragenerative Biomaterials with Therapeutic and Regeneration Multifunctionality. *Advanced Functional Materials*, **2020**, 30, 2002621	15.6	17
264	Lithium silicate-based bioceramics promoting chondrocyte maturation by immunomodulating M2 macrophage polarization. *Biomaterials Science*, **2020**, 8, 4521-4534	7.4	12
263	Energy Conversion-Based Nanotherapy for Rheumatoid Arthritis Treatment. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 652	5.8	7

262	Defect engineering of 2D BiOCl nanosheets for photonic tumor ablation. *Nanoscale Horizons*, **2020**, 5, 857-868	10.8	18
261	Engineering 2D Mesoporous Silica@MXene-Integrated 3D-Printing Scaffolds for Combinatory Osteosarcoma Therapy and NO-Augmented Bone Regeneration. *Small*, **2020**, 16, e1906814	11	50
260	Nanomaterials/microorganism-integrated microbiotic nanomedicine. *Nano Today*, **2020**, 32, 100854	17.9	19
259	A Metal-Organic Framework (MOF) Fenton Nanoagent-Enabled Nanocatalytic Cancer Therapy in Synergy with Autophagy Inhibition. *Advanced Materials*, **2020**, 32, e1907152	24	107
258	A self-assembled carrier-free nanosonosensitizer for photoacoustic imaging-guided synergistic chemo-sonodynamic cancer therapy. *Nanoscale*, **2020**, 12, 5587-5600	7.7	26
257	Virus-Inspired Deformable Mesoporous Nanocomposites for High Efficiency Drug Delivery. *Small*, **2020**, 16, e1906028	11	5
256	Augmenting Tumor-Starvation Therapy by Cancer Cell Autophagy Inhibition. *Advanced Science*, **2020**, 7, 1902847	13.6	37
255	Nucleus-targeting ultrasmall ruthenium(iv) oxide nanoparticles for photoacoustic imaging and low-temperature photothermal therapy in the NIR-II window. *Chemical Communications*, **2020**, 56, 3019-3022	5.8	19
254	Self-Assembled/Drug-Composed Nanomedicine for Synergistic Photonic Hyperthermia and Targeted Therapy of Breast Cancer by Inhibiting ERK, AKT, and STAT3 Signaling Cascades. *Advanced Functional Materials*, **2020**, 30, 1908907	15.6	6
253	Single-Atom Catalysts in Catalytic Biomedicine. *Advanced Materials*, **2020**, 32, e1905994	24	128
252	Cocrystal Strategy toward Multifunctional 3D-Printing Scaffolds Enables NIR-Activated Photonic Osteosarcoma Hyperthermia and Enhanced Bone Defect Regeneration. *Advanced Functional Materials*, **2020**, 30, 1909938	15.6	36
251	Chemoreactive nanomedicine. *Journal of Materials Chemistry B*, **2020**, 8, 6753-6764	7.3	9
250	In situ phase-changeable 2D MXene/zein bio-injection for shear wave elastography-guided tumor ablation in NIR-II bio-window. *Journal of Materials Chemistry B*, **2020**, 8, 5257-5266	7.3	10
249	Construction of Pepstatin A-Conjugated ultrasmall SPIONs for targeted positive MR imaging of epilepsy-overexpressed P-glycoprotein. *Biomaterials*, **2020**, 230, 119581	15.6	7
248	Manganese-Based Functional Nanoplatforms: Nanosynthetic Construction, Physiochemical Property, and Theranostic Applicability. *Advanced Functional Materials*, **2020**, 30, 1907066	15.6	49
247	Magnetic Hyperthermia Synergistic H2O2 Self-Sufficient Catalytic Suppression of Osteosarcoma with Enhanced Bone-Regeneration Bioactivity by 3D-Printing Composite Scaffolds. *Advanced Functional Materials*, **2020**, 30, 1907071	15.6	69
246	Photosynthetic Tumor Oxygenation by Photosensitizer-Containing Cyanobacteria for Enhanced Photodynamic Therapy. *Angewandte Chemie*, **2020**, 132, 1922-1929	3.6	7
245	Photosynthetic Tumor Oxygenation by Photosensitizer-Containing Cyanobacteria for Enhanced Photodynamic Therapy. *Angewandte Chemie - International Edition*, **2020**, 59, 1906-1913	16.4	70

244	Catalytic chemistry of iron-free Fenton nanocatalysts for versatile radical nanotherapeutics. *Materials Horizons*, **2020**, 7, 317-337	14.4	48
243	Chemistry of two-dimensional MXene nanosheets in theranostic nanomedicine. *Chinese Chemical Letters*, **2020**, 31, 937-946	8.1	16
242	2D MXene-Integrated 3D-Printing Scaffolds for Augmented Osteosarcoma Phototherapy and Accelerated Tissue Reconstruction. *Advanced Science*, **2020**, 7, 1901511	13.6	86
241	Nanomedicine-Enabled Photonic Thermogaseous Cancer Therapy. *Advanced Science*, **2020**, 7, 1901954	13.6	30
240	Inorganic nanoparticles in clinical trials and translations. *Nano Today*, **2020**, 35, 100972	17.9	51
239	NIR-Light-Activated Ratiometric Fluorescent Hybrid Micelles for High Spatiotemporally Controlled Biological Imaging and Chemotherapy. *Small*, **2020**, 16, e2005667	11	7
238	CO2 capture and conversion to value-added products promoted by MXene-based materials. *Green Energy and Environment*, **2020**,	5.7	13
237	Materdicine: Interdiscipline of materials and medicine. *View*, **2020**, 1, 20200016	7.8	12
236	Bioinspired Copper Single-Atom Catalysts for Tumor Parallel Catalytic Therapy. *Advanced Materials*, **2020**, 32, e2002246	24	89
235	Potentiated cytosolic drug delivery and photonic hyperthermia by 2D free-standing silicene nanosheets for tumor nanomedicine. *Nanoscale*, **2020**, 12, 17931-17946	7.7	13
234	A dual mode nanophotonics concept for in situ activation of brain immune cells using a photoswitchable yolk-shell upconversion nanoformulation. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 29, 102279	6	2
233	Tyrosinase-activated prodrug nanomedicine as oxidative stress amplifier for melanoma-specific treatment. *Biomaterials*, **2020**, 259, 120329	15.6	20
232	Surface Oxidation Modulates the Interfacial and Lateral Thermal Migration of MXene (TiCT) Flakes. *Journal of Physical Chemistry Letters*, **2020**, 11, 9521-9527	6.4	5
231	Microalgae-enabled photosynthetic alleviation of tumor hypoxia for enhanced nanotherapies. *Science Bulletin*, **2020**, 65, 1869-1871	10.6	5
230	Ultrasmall AgTe Quantum Dots with Rapid Clearance for Amplified Computed Tomography Imaging and Augmented Photonic Tumor Hyperthermia. *ACS Applied Materials & Interfaces*, **2020**, 12, 42558-42566	9.5	12
229	Photonic hyperthermal and sonodynamic nanotherapy targeting oral squamous cell carcinoma. *Journal of Materials Chemistry B*, **2020**,	7.3	6
228	Tailored Chemodynamic Nanomedicine Improves Pancreatic Cancer Treatment via Controllable Damaging Neoplastic Cells and Reprogramming Tumor Microenvironment. *Nano Letters*, **2020**, 20, 6780-6790	11.5	25
227	The Coppery Age: Copper (Cu)-Involved Nanotheranostics. *Advanced Science*, **2020**, 7, 2001549	13.6	41

226	Confined nanoparticles growth within hollow mesoporous nanoreactors for highly efficient MRI-guided photodynamic therapy. *Chemical Engineering Journal*, **2020**, 379, 122251	14.7	13
225	A two-dimensional MXene potentiates a therapeutic microneedle patch for photonic implantable medicine in the second NIR biowindow. *Nanoscale*, **2020**, 12, 10265-10276	7.7	19
224	Chemoreactive Nanotherapeutics by Metal Peroxide Based Nanomedicine. *Advanced Science*, **2020**, 8, 2000494	13.6	17
223	Polymer-Upconverting Nanoparticle Hybrid Micelles for Enhanced Synergistic Chemo-Photodynamic Therapy: Effects of Emission-Absorption Spectral Match. *Biomacromolecules*, **2019**, 20, 4044-4052	6.9	12
222	Intrinsic chemistry and design principle of ultrasound-responsive nanomedicine. *Nano Today*, **2019**, 28, 100773	17.9	23
221	Photonic cancer nanomedicine using the near infrared-II biowindow enabled by biocompatible titanium nitride nanoplatforms. *Nanoscale Horizons*, **2019**, 4, 415-425	10.8	39
220	Construction of Single-Iron-Atom Nanocatalysts for Highly Efficient Catalytic Antibiotics. *Small*, **2019**, 15, e1901834	11	63
219	Highly Catalytic Niobium Carbide (MXene) Promotes Hematopoietic Recovery after Radiation by Free Radical Scavenging. *ACS Nano*, **2019**, 13, 6438-6454	16.7	79
218	Construction of 2D Antimony(III) Selenide Nanosheets for Highly Efficient Photonic Cancer Theranostics. *ACS Applied Materials & Interfaces*, **2019**, 11, 19712-19723	9.5	11
217	Nanocatalysts-augmented Fenton chemical reaction for nanocatalytic tumor therapy. *Biomaterials*, **2019**, 211, 1-13	15.6	139
216	Checkpoint blockade and nanosonosensitizer-augmented noninvasive sonodynamic therapy combination reduces tumour growth and metastases in mice. *Nature Communications*, **2019**, 10, 2025	17.4	231
215	Self-evolved hydrogen peroxide boosts photothermal-promoted tumor-specific nanocatalytic therapy. *Journal of Materials Chemistry B*, **2019**, 7, 3599-3609	7.3	33
214	An artificially engineered "tumor bio-magnet" for collecting blood-circulating nanoparticles and magnetic hyperthermia. *Biomaterials Science*, **2019**, 7, 1815-1824	7.4	5
213	Ultrasound/Acidity-Triggered and Nanoparticle-Enabled Analgesia. *Advanced Healthcare Materials*, **2019**, 8, e1801350	10.1	2
212	Ultrasmall CuS nanodots as photothermal-enhanced Fenton nanocatalysts for synergistic tumor therapy at NIR-II biowindow. *Biomaterials*, **2019**, 206, 101-114	15.6	125
211	Reactive Oxygen Species (ROS)-Based Nanomedicine. *Chemical Reviews*, **2019**, 119, 4881-4985	68.1	776
210	Ultrathin Molybdenum Carbide MXene with Fast Biodegradability for Highly Efficient Theory-Oriented Photonic Tumor Hyperthermia. *Advanced Functional Materials*, **2019**, 29, 1901942	15.6	72
209	Sequential catalytic nanomedicine augments synergistic chemodrug and chemodynamic cancer therapy. *Nanoscale Horizons*, **2019**, 4, 890-901	10.8	30

208	Silk Fibroin-Coated Nanoagents for Acidic Lysosome Targeting by a Functional Preservation Strategy in Cancer Chemotherapy. *Theranostics*, **2019**, 9, 961-973	12.1	27
207	Exosome Biochemistry and Advanced Nanotechnology for Next-Generation Theranostic Platforms. *Advanced Materials*, **2019**, 31, e1802896	24	120
206	Energy-Converting Nanomedicine. *Small*, **2019**, 15, e1805339	11	57
205	Mesoporous silica/organosilica nanoparticles: Synthesis, biological effect and biomedical application. *Materials Science and Engineering Reports*, **2019**, 137, 66-105	30.9	74
204	Nanocatalytic Tumor Therapy by Single-Atom Catalysts. *ACS Nano*, **2019**, 13, 2643-2653	16.7	166
203	Inorganic Nanoshell-Stabilized Liquid Metal for Targeted Photonanomedicine in NIR-II Biowindow. *Nano Letters*, **2019**, 19, 2128-2137	11.5	65
202	Photonic/magnetic hyperthermia-synergistic nanocatalytic cancer therapy enabled by zero-valence iron nanocatalysts. *Biomaterials*, **2019**, 219, 119374	15.6	34
201	Nanocatalytic Medicine. *Advanced Materials*, **2019**, 31, e1901778	24	227
200	Silicene: Wet-Chemical Exfoliation Synthesis and Biodegradable Tumor Nanomedicine. *Advanced Materials*, **2019**, 31, e1903013	24	77
199	Enhanced Tumor-Specific Disulfiram Chemotherapy by Cu Chelation-Initiated Nontoxicity-to-Toxicity Transition. *Journal of the American Chemical Society*, **2019**, 141, 11531-11539	16.4	134
198	Construction of Nucleus-Targeting Iridium Nanocrystals for Photonic Hyperthermia-Synergized Cancer Radiotherapy. *Small*, **2019**, 15, e1903254	11	16
197	Triggering Sequential Catalytic Fenton Reaction on 2D MXenes for Hyperthermia-Augmented Synergistic Nanocatalytic Cancer Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 42917-42931	9.5	44
196	Two-dimensional MXene-reinforced robust surface superhydrophobicity with self-cleaning and photothermal-actuating binary effects. *Materials Horizons*, **2019**, 6, 1057-1065	14.4	86
195	Extravascular gelation shrinkage-derived internal stress enables tumor starvation therapy with suppressed metastasis and recurrence. *Nature Communications*, **2019**, 10, 5380	17.4	46
194	Two-dimensional titanium carbide MXenes as efficient non-noble metal electrocatalysts for oxygen reduction reaction. *Science China Materials*, **2019**, 62, 662-670	7.1	44
193	Nanocatalytic Tumor Therapy by Biomimetic Dual Inorganic Nanozyme-Catalyzed Cascade Reaction. *Advanced Science*, **2019**, 6, 1801733	13.6	250
192	Hypoxia-Irrelevant Photonic Thermodynamic Cancer Nanomedicine. *ACS Nano*, **2019**, 13, 2223-2235	16.7	77
191	Organelle-targeting metal complexes: From molecular design to bio-applications. *Coordination Chemistry Reviews*, **2019**, 378, 66-86	23.2	140

190	Nanocatalysts-Augmented and Photothermal-Enhanced Tumor-Specific Sequential Nanocatalytic Therapy in Both NIR-I and NIR-II Biowindows. *Advanced Materials*, **2019**, 31, e1805919	24	159
189	A polyoxometalate-functionalized two-dimensional titanium carbide composite MXene for effective cancer theranostics. *Nano Research*, **2018**, 11, 4149-4168	10	75
188	"Stepwise Extraction" strategy-based injectable bioresponsive composite implant for cancer theranostics. *Biomaterials*, **2018**, 166, 38-51	15.6	23
187	2D magnetic titanium carbide MXene for cancer theranostics. *Journal of Materials Chemistry B*, **2018**, 6, 3541-3548	7.3	63
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