Yu Chen

List of Publications by Citations

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	Circulating mitochondrial DAMPs cause inflammatory responses to injury. *Nature*, **2010**, 464, 104-7	50.4	2358
350	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	2.2	1170
349	A library of atomically thin metal chalcogenides. *Nature*, **2018**, 556, 355-359	50.4	812
348	Nuclear-targeted drug delivery of TAT peptide-conjugated monodisperse mesoporous silica nanoparticles. *Journal of the American Chemical Society*, **2012**, 134, 5722-5	16.4	788
347	Reactive Oxygen Species (ROS)-Based Nanomedicine. *Chemical Reviews*, **2019**, 119, 4881-4985	68.1	776
346	Tumor-selective catalytic nanomedicine by nanocatalyst delivery. *Nature Communications*, **2017**, 8, 357	17.4	743
345	Two-dimensional graphene analogues for biomedical applications. *Chemical Society Reviews*, **2015**, 44, 2681-701	58.5	687
344	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	16.4	656
343	Two-Dimensional Ultrathin MXene Ceramic Nanosheets for Photothermal Conversion. *Nano Letters*, **2017**, 17, 384-391	11.5	623
342	Dependency of a therapy-resistant state of cancer cells on a lipid peroxidase pathway. *Nature*, **2017** , 547, 453-457	50.4	620
341	Hollow/rattle-type mesoporous nanostructures by a structural difference-based selective etching strategy. *ACS Nano*, **2010**, 4, 529-39	16.7	575
340	Core/shell structured hollow mesoporous nanocapsules: a potential platform for simultaneous cell imaging and anticancer drug delivery. *ACS Nano*, **2010**, 4, 6001-13	16.7	560
339	In vivo bio-safety evaluations and diagnostic/therapeutic applications of chemically designed mesoporous silica nanoparticles. *Advanced Materials*, **2013**, 25, 3144-76	24	554
338	Nanoparticle-triggered in situ catalytic chemical reactions for tumour-specific therapy. *Chemical Society Reviews*, **2018**, 47, 1938-1958	58.5	407
337	The effect of PEGylation of mesoporous silica nanoparticles on nonspecific binding of serum proteins and cellular responses. *Biomaterials*, **2010**, 31, 1085-92	15.6	397
336	Metalloporphyrin-Encapsulated Biodegradable Nanosystems for Highly Efficient Magnetic Resonance Imaging-Guided Sonodynamic Cancer Therapy. *Journal of the American Chemical Society*, **2017**, 139, 1275-1284	16.4	395
335	Micro/Nanoparticle-Augmented Sonodynamic Therapy (SDT): Breaking the Depth Shallow of Photoactivation. *Advanced Materials*, **2016**, 28, 8097-8129	24	357

334	Break-up of two-dimensional MnO2 nanosheets promotes ultrasensitive pH-triggered theranostics of cancer. *Advanced Materials*, **2014**, 26, 7019-26	24	342
333	A Facile One-Pot Synthesis of a Two-Dimensional MoS2 /Bi2S3 Composite Theranostic Nanosystem for Multi-Modality Tumor Imaging and Therapy. *Advanced Materials*, **2015**, 27, 2775-82	24	334
332	Controlled intracellular release of doxorubicin in multidrug-resistant cancer cells by tuning the shell-pore sizes of mesoporous silica nanoparticles. *ACS Nano*, **2011**, 5, 9788-98	16.7	324
331	Hollow mesoporous organosilica nanoparticles: a generic intelligent framework-hybridization approach for biomedicine. *Journal of the American Chemical Society*, **2014**, 136, 16326-34	16.4	299
330	Nanoenzyme-Augmented Cancer Sonodynamic Therapy by Catalytic Tumor Oxygenation. *ACS Nano*, **2018**, 12, 3780-3795	16.7	296
329	Theranostic 2D Tantalum Carbide (MXene). *Advanced Materials*, **2018**, 30, 1703284	24	279
328	Gold nanoclusters and graphene nanocomposites for drug delivery and imaging of cancer cells. *Angewandte Chemie - International Edition*, **2011**, 50, 11644-8	16.4	258
327	Construction of homogenous/heterogeneous hollow mesoporous silica nanostructures by silica-etching chemistry: principles, synthesis, and applications. *Accounts of Chemical Research*, **2014**, 47, 125-37	24.3	255
326	Nanocatalytic Tumor Therapy by Biomimetic Dual Inorganic Nanozyme-Catalyzed Cascade Reaction. *Advanced Science*, **2019**, 6, 1801733	13.6	250
325	Insights into 2D MXenes for Versatile Biomedical Applications: Current Advances and Challenges Ahead. *Advanced Science*, **2018**, 5, 1800518	13.6	245
324	Biocompatible PEGylated MoS2 nanosheets: controllable bottom-up synthesis and highly efficient photothermal regression of tumor. *Biomaterials*, **2015**, 39, 206-17	15.6	240
323	The three-stage in vitro degradation behavior of mesoporous silica in simulated body fluid. *Microporous and Mesoporous Materials*, **2010**, 131, 314-320	5.3	233
322	Ultrasmall Fe□□nanoparticle/MoS□nanosheet composites with superior performances for lithium ion batteries. *Small*, **2014**, 10, 1536-43	11	232
321	Manganese oxide-based multifunctionalized mesoporous silica nanoparticles for pH-responsive MRI, ultrasonography and circumvention of MDR in cancer cells. *Biomaterials*, **2012**, 33, 7126-37	15.6	232
320	Checkpoint blockade and nanosonosensitizer-augmented noninvasive sonodynamic therapy combination reduces tumour growth and metastases in mice. *Nature Communications*, **2019**, 10, 2025	17.4	231
319	Chemistry of Mesoporous Organosilica in Nanotechnology: Molecularly Organic-Inorganic Hybridization into Frameworks. *Advanced Materials*, **2016**, 28, 3235-72	24	231
318	Multifunctional Mesoporous Nanoellipsoids for Biological Bimodal Imaging and Magnetically Targeted Delivery of Anticancer Drugs. *Advanced Functional Materials*, **2011**, 21, 270-278	15.6	228
317	Nanocatalytic Medicine. *Advanced Materials*, **2019**, 31, e1901778	24	227

316	Two-Dimensional Tantalum Carbide (MXenes) Composite Nanosheets for Multiple Imaging-Guided Photothermal Tumor Ablation. *ACS Nano*, **2017**, 11, 12696-12712	16.7	223
315	Large-pore ultrasmall mesoporous organosilica nanoparticles: micelle/precursor co-templating assembly and nuclear-targeted gene delivery. *Advanced Materials*, **2015**, 27, 215-22	24	222
314	Oxygen-Deficient Black Titania for Synergistic/Enhanced Sonodynamic and Photoinduced Cancer Therapy at Near Infrared-II Biowindow. *ACS Nano*, **2018**, 12, 4545-4555	16.7	222
313	Au capped magnetic core/mesoporous silica shell nanoparticles for combined photothermo-/chemo-therapy and multimodal imaging. *Biomaterials*, **2012**, 33, 989-98	15.6	220
312	Large Pore-Sized Hollow Mesoporous Organosilica for Redox-Responsive Gene Delivery and Synergistic Cancer Chemotherapy. *Advanced Materials*, **2016**, 28, 1963-9	24	216
311	2D-Black-Phosphorus-Reinforced 3D-Printed Scaffolds:A Stepwise Countermeasure for Osteosarcoma. *Advanced Materials*, **2018**, 30, 1705611	24	205
310	High-quality monolayer superconductor NbSe grown by chemical vapour deposition. *Nature Communications*, **2017**, 8, 394	17.4	199
309	"Manganese Extraction" Strategy Enables Tumor-Sensitive Biodegradability and Theranostics of Nanoparticles. *Journal of the American Chemical Society*, **2016**, 138, 9881-94	16.4	196
308	Injectable 2D MoS2 -Integrated Drug Delivering Implant for Highly Efficient NIR-Triggered Synergistic Tumor Hyperthermia. *Advanced Materials*, **2015**, 27, 7117-22	24	196
307	Biocompatible 2D Titanium Carbide (MXenes) Composite Nanosheets for pH-Responsive MRI-Guided Tumor Hyperthermia. *Chemistry of Materials*, **2017**, 29, 8637-8652	9.6	193
306	In vivo continuous-wave optical breast imaging enhanced with Indocyanine Green. *Medical Physics*, **2003**, 30, 1039-47	4.4	191
305	A Bifunctional Biomaterial with Photothermal Effect for Tumor Therapy and Bone Regeneration. *Advanced Functional Materials*, **2016**, 26, 1197-1208	15.6	182
304	2D Ultrathin MXene-Based Drug-Delivery Nanoplatform for Synergistic Photothermal Ablation and Chemotherapy of Cancer. *Advanced Healthcare Materials*, **2018**, 7, e1701394	10.1	181
303	Colloidal HPMO nanoparticles: silica-etching chemistry tailoring, topological transformation, and nano-biomedical applications. *Advanced Materials*, **2013**, 25, 3100-5	24	181
302	Perfluorohexane-encapsulated mesoporous silica nanocapsules as enhancement agents for highly efficient high intensity focused ultrasound (HIFU). *Advanced Materials*, **2012**, 24, 785-91	24	180
301	Solvothermal synthesis of cobalt ferrite nanoparticles loaded on multiwalled carbon nanotubes for magnetic resonance imaging and drug delivery. *Acta Biomaterialia*, **2011**, 7, 3496-504	10.8	174
300	Two-Dimensional Graphene Augments Nanosonosensitized Sonocatalytic Tumor Eradication. *ACS Nano*, **2017**, 11, 9467-9480	16.7	173
299	Two-dimensional non-carbonaceous materials-enabled efficient photothermal cancer therapy. *Nano Today*, **2016**, 11, 292-308	17.9	169

298	Colloidal RBC-shaped, hydrophilic, and hollow mesoporous carbon nanocapsules for highly efficient biomedical engineering. *Advanced Materials*, **2014**, 26, 4294-301	24	168
297	Nanocatalytic Tumor Therapy by Single-Atom Catalysts. *ACS Nano*, **2019**, 13, 2643-2653	16.7	166
296	Superparamagnetic PLGA-iron oxide microcapsules for dual-modality US/MR imaging and high intensity focused US breast cancer ablation. *Biomaterials*, **2012**, 33, 5854-64	15.6	164
295	Ultrasmall Cu2-x S Nanodots for Highly Efficient Photoacoustic Imaging-Guided Photothermal Therapy. *Small*, **2015**, 11, 2275-83	11	162
294	Ultrasound-Triggered Nitric Oxide Release Platform Based on Energy Transformation for Targeted Inhibition of Pancreatic Tumor. *ACS Nano*, **2016**, 10, 10816-10828	16.7	159
293	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
292	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		158
291	Multifunctional mesoporous composite nanocapsules for highly efficient MRI-guided high-intensity focused ultrasound cancer surgery. *Angewandte Chemie - International Edition*, **2011**, 50, 12505-9	16.4	152
290	Molecularly organic/inorganic hybrid hollow mesoporous organosilica nanocapsules with tumor-specific biodegradability and enhanced chemotherapeutic functionality. *Biomaterials*, **2017**, 125, 23-37	15.6	145
289	Organelle-targeting metal complexes: From molecular design to bio-applications. *Coordination Chemistry Reviews*, **2019**, 378, 66-86	23.2	140
288	Nanocatalysts-augmented Fenton chemical reaction for nanocatalytic tumor therapy. *Biomaterials*, **2019**, 211, 1-13	15.6	139
287	Gas-Generating Nanoplatforms: Material Chemistry, Multifunctionality, and Gas Therapy. *Advanced Materials*, **2018**, 30, e1801964	24	138
286	N-doped hierarchically macro/mesoporous carbon with excellent electrocatalytic activity and durability for oxygen reduction reaction. *Carbon*, **2015**, 86, 108-117	10.4	136
285	Plasmonic and catalytic AuPd nanowheels for the efficient conversion of light into chemical energy. *Angewandte Chemie - International Edition*, **2013**, 52, 6063-7	16.4	135
284	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
283	A uniform sub-50 nm-sized magnetic/upconversion fluorescent bimodal imaging agent capable of generating singlet oxygen by using a 980 nm laser. *Chemistry - A European Journal*, **2012**, 18, 7082-90	4.8	132
282	Single-Atom Catalysts in Catalytic Biomedicine. *Advanced Materials*, **2020**, 32, e1905994	24	128
281	Microbubbles from gas-generating perfluorohexane nanoemulsions for targeted temperature-sensitive ultrasonography and synergistic HIFU ablation of tumors. *Advanced Materials*, **2013**, 25, 4123-30	24	128

280	Two-dimensional black phosphorus nanosheets for theranostic nanomedicine. *Materials Horizons*, **2017**, 4, 800-816	14.4	127
279	Ultrasmall CuS nanodots as photothermal-enhanced Fenton nanocatalysts for synergistic tumor therapy at NIR-II biowindow. *Biomaterials*, **2019**, 206, 101-114	15.6	125
278	Structure-property relationships in manganese oxide--mesoporous silica nanoparticles used for T1-weighted MRI and simultaneous anti-cancer drug delivery. *Biomaterials*, **2012**, 33, 2388-98	15.6	125
277	Theranostic 2D ultrathin MnO nanosheets with fast responsibility to endogenous tumor microenvironment and exogenous NIR irradiation. *Biomaterials*, **2018**, 155, 54-63	15.6	125
276	Au-nanoparticle coated mesoporous silica nanocapsule-based multifunctional platform for ultrasound mediated imaging, cytoclasis and tumor ablation. *Biomaterials*, **2013**, 34, 2057-68	15.6	122
275	Exosome Biochemistry and Advanced Nanotechnology for Next-Generation Theranostic Platforms. *Advanced Materials*, **2019**, 31, e1802896	24	120
274	Inorganic nanoparticle-based drug codelivery nanosystems to overcome the multidrug resistance of cancer cells. *Molecular Pharmaceutics*, **2014**, 11, 2495-510	5.6	120
273	Engineering Inorganic Nanoemulsions/Nanoliposomes by Fluoride-Silica Chemistry for Efficient Delivery/Co-Delivery of Hydrophobic Agents. *Advanced Functional Materials*, **2012**, 22, 1586-1597	15.6	120
272	Surface Nanopore Engineering of 2D MXenes for Targeted and Synergistic Multitherapies of Hepatocellular Carcinoma. *Advanced Materials*, **2018**, 30, e1706981	24	118
271	2D Superparamagnetic Tantalum Carbide Composite MXenes for Efficient Breast-Cancer Theranostics. *Theranostics*, **2018**, 8, 1648-1664	12.1	116
270	Double mesoporous silica shelled spherical/ellipsoidal nanostructures: Synthesis and hydrophilic/hydrophobic anticancer drug delivery. *Journal of Materials Chemistry*, **2011**, 21, 5290		116
269	Material Chemistry of Two-Dimensional Inorganic Nanosheets in Cancer Theranostics. *CheM*, **2018**, 4, 1284-1313	16.2	111
268	Reversible pore-structure evolution in hollow silica nanocapsules: large pores for siRNA delivery and nanoparticle collecting. *Small*, **2011**, 7, 2935-44	11	111
267	Iron-engineered mesoporous silica nanocatalyst with biodegradable and catalytic framework for tumor-specific therapy. *Biomaterials*, **2018**, 163, 1-13	15.6	109
266	A Metal-Organic Framework (MOF) Fenton Nanoagent-Enabled Nanocatalytic Cancer Therapy in Synergy with Autophagy Inhibition. *Advanced Materials*, **2020**, 32, e1907152	24	107
265	Endogenous Catalytic Generation of O Bubbles for In Situ Ultrasound-Guided High Intensity Focused Ultrasound Ablation. *ACS Nano*, **2017**, 11, 9093-9102	16.7	104
264	Piezocatalytic Tumor Therapy by Ultrasound-Triggered and BaTiO -Mediated Piezoelectricity. *Advanced Materials*, **2020**, 32, e2001976	24	103
263	Perfluoropentane-encapsulated hollow mesoporous prussian blue nanocubes for activated ultrasound imaging and photothermal therapy of cancer. *ACS Applied Materials & Interfaces*, **2015**, 7, 4579-88	9.5	103

262	Tumor Microenvironment-Enabled Nanotherapy. *Advanced Healthcare Materials*, **2018**, 7, e1701156	10.1	101
261	Multifunctional Graphene Oxide-based Triple Stimuli-Responsive Nanotheranostics. *Advanced Functional Materials*, **2014**, 24, 4386-4396	15.6	99
260	Methotrexate-loaded PLGA nanobubbles for ultrasound imaging and Synergistic Targeted therapy of residual tumor during HIFU ablation. *Biomaterials*, **2014**, 35, 5148-61	15.6	99
259	Mitochondria-Targeted Artificial "Nano-RBCs" for Amplified Synergistic Cancer Phototherapy by a Single NIR Irradiation. *Advanced Science*, **2018**, 5, 1800049	13.6	99
258	Synergistic Sonodynamic/Chemotherapeutic Suppression of Hepatocellular Carcinoma by Targeted Biodegradable Mesoporous Nanosonosensitizers. *Advanced Functional Materials*, **2018**, 28, 1800145	15.6	98
257	Therapeutic mesopore construction on 2D NbC MXenes for targeted and enhanced chemo-photothermal cancer therapy in NIR-II biowindow. *Theranostics*, **2018**, 8, 4491-4508	12.1	94
256	Ultrasmall mesoporous organosilica nanoparticles: Morphology modulations and redox-responsive biodegradability for tumor-specific drug delivery. *Biomaterials*, **2018**, 161, 292-305	15.6	93
255	Insights into the unique functionality of inorganic micro/nanoparticles for versatile ultrasound theranostics. *Biomaterials*, **2017**, 142, 13-30	15.6	92
254	Core-shell hierarchical mesostructured silica nanoparticles for gene/chemo-synergetic stepwise therapy of multidrug-resistant cancer. *Biomaterials*, **2017**, 133, 219-228	15.6	91
253	Drug Release from Phase-Changeable Nanodroplets Triggered by Low-Intensity Focused Ultrasound. *Theranostics*, **2018**, 8, 1327-1339	12.1	89
252	Bioinspired Copper Single-Atom Catalysts for Tumor Parallel Catalytic Therapy. *Advanced Materials*, **2020**, 32, e2002246	24	89
251	2D MXene-Integrated 3D-Printing Scaffolds for Augmented Osteosarcoma Phototherapy and Accelerated Tissue Reconstruction. *Advanced Science*, **2020**, 7, 1901511	13.6	86
250	Two-dimensional MXene-reinforced robust surface superhydrophobicity with self-cleaning and photothermal-actuating binary effects. *Materials Horizons*, **2019**, 6, 1057-1065	14.4	86
249	Highly Catalytic Niobium Carbide (MXene) Promotes Hematopoietic Recovery after Radiation by Free Radical Scavenging. *ACS Nano*, **2019**, 13, 6438-6454	16.7	79
248	Highly efficient adsorbents based on hierarchically macro/mesoporous carbon monoliths with strong hydrophobicity. *Carbon*, **2014**, 66, 547-559	10.4	78
247	Silicene: Wet-Chemical Exfoliation Synthesis and Biodegradable Tumor Nanomedicine. *Advanced Materials*, **2019**, 31, e1903013	24	77
246	Hypoxia-Irrelevant Photonic Thermodynamic Cancer Nanomedicine. *ACS Nano*, **2019**, 13, 2223-2235	16.7	77
245	A polyoxometalate-functionalized two-dimensional titanium carbide composite MXene for effective cancer theranostics. *Nano Research*, **2018**, 11, 4149-4168	10	75

244	Mesoporous silica/organosilica nanoparticles: Synthesis, biological effect and biomedical application. *Materials Science and Engineering Reports*, **2019**, 137, 66-105	30.9	74
243	A facile synthesis of versatile Cu2-xS nanoprobe for enhanced MRI and infrared thermal/photoacoustic multimodal imaging. *Biomaterials*, **2015**, 57, 12-21	15.6	74
242	Nanoparticle-enhanced synergistic HIFU ablation and transarterial chemoembolization for efficient cancer therapy. *Nanoscale*, **2016**, 8, 4324-39	7.7	74
241	Hyaluronic acid-conjugated mesoporous silica nanoparticles: excellent colloidal dispersity in physiological fluids and targeting efficacy. *Journal of Materials Chemistry*, **2012**, 22, 5615		73
240	Biodegradable 2D Fe-Al Hydroxide for Nanocatalytic Tumor-Dynamic Therapy with Tumor Specificity. *Advanced Science*, **2018**, 5, 1801155	13.6	73
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238	Bioinspired Multifunctional Melanin-Based Nanoliposome for Photoacoustic/Magnetic Resonance Imaging-Guided Efficient Photothermal Ablation of Cancer. *Theranostics*, **2018**, 8, 1591-1606	12.1	71
237	Multifunctional Bi2S3/PLGA nanocapsule for combined HIFU/radiation therapy. *Biomaterials*, **2014**, 35, 8197-205	15.6	71
236	Photosynthetic Tumor Oxygenation by Photosensitizer-Containing Cyanobacteria for Enhanced Photodynamic Therapy. *Angewandte Chemie - International Edition*, **2020**, 59, 1906-1913	16.4	70
235	Magnetic HyperthermiaSynergistic 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
234	Mesoporous manganese silicate coated silica nanoparticles as multi-stimuli-responsive T1-MRI contrast agents and drug delivery carriers. *Acta Biomaterialia*, **2016**, 30, 378-387	10.8	68
233	An intelligent nanotheranostic agent for targeting, redox-responsive ultrasound imaging, and imaging-guided high-intensity focused ultrasound synergistic therapy. *Small*, **2014**, 10, 1403-11	11	68
232	Inorganic Nanoshell-Stabilized Liquid Metal for Targeted Photonanomedicine in NIR-II Biowindow. *Nano Letters*, **2019**, 19, 2128-2137	11.5	65
231	A continuous tri-phase transition effect for HIFU-mediated intravenous drug delivery. *Biomaterials*, **2014**, 35, 5875-85	15.6	65
230	Construction of Single-Iron-Atom Nanocatalysts for Highly Efficient Catalytic Antibiotics. *Small*, **2019**, 15, e1901834	11	63
229	2D magnetic titanium carbide MXene for cancer theranostics. *Journal of Materials Chemistry B*, **2018**, 6, 3541-3548	7.3	63
228	Injectable smart phase-transformation implants for highly efficient in vivo magnetic-hyperthermia regression of tumors. *Advanced Materials*, **2014**, 26, 7468-73	24	62
227	Peptidomimetic inhibitors of APC-Asef interaction block colorectal cancer migration. *Nature Chemical Biology*, **2017**, 13, 994-1001	11.7	62

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225	Versatile pH-response Micelles with High Cell-Penetrating Helical Diblock Copolymers for Photoacoustic Imaging Guided Synergistic Chemo-Photothermal Therapy. *Theranostics*, **2016**, 6, 2170-2182	12.1	60
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223	A "neck-formation" strategy for an antiquenching magnetic/upconversion fluorescent bimodal cancer probe. *Chemistry - A European Journal*, **2010**, 16, 11254-60	4.8	58
222	Energy-Converting Nanomedicine. *Small*, **2019**, 15, e1805339	11	57
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220	Ultrasmall Confined Iron Oxide Nanoparticle MSNs as a pH-Responsive Theranostic Platform. *Advanced Functional Materials*, **2014**, 24, 4273-4283	15.6	56
219	Drug delivery/imaging multifunctionality of mesoporous silica-based composite nanostructures. *Expert Opinion on Drug Delivery*, **2014**, 11, 917-30	8	56
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215	Inorganic nanoparticles in clinical trials and translations. *Nano Today*, **2020**, 35, 100972	17.9	51
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211	Focused Ultrasound-Augmented Delivery of Biodegradable Multifunctional Nanoplatforms for Imaging-Guided Brain Tumor Treatment. *Advanced Science*, **2018**, 5, 1700474	13.6	48
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208	Mesoporous carbon biomaterials. *Science China Materials*, **2015**, 58, 241-257	7.1	47
207	Composition-property relationships in multifunctional hollow mesoporous carbon nanosystems for PH-responsive magnetic resonance imaging and on-demand drug release. *Nanoscale*, **2015**, 7, 7632-43	7.7	46
206	Fabrication of mesoporous zeolite microspheres by a one-pot dual-functional templating approach. *Journal of Materials Chemistry*, **2009**, 19, 7614		46
205	2D vanadium carbide MXenzyme to alleviate ROS-mediated inflammatory and neurodegenerative diseases. *Nature Communications*, **2021**, 12, 2203	17.4	46
204	Extravascular gelation shrinkage-derived internal stress enables tumor starvation therapy with suppressed metastasis and recurrence. *Nature Communications*, **2019**, 10, 5380	17.4	46
203	Site-specific sonocatalytic tumor suppression by chemically engineered single-crystalline mesoporous titanium dioxide sonosensitizers. *Journal of Materials Chemistry B*, **2017**, 5, 4579-4586	7.3	44
202	Nanobiotechnology promotes noninvasive high-intensity focused ultrasound cancer surgery. *Advanced Healthcare Materials*, **2015**, 4, 158-65	10.1	44
201	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
200	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
199	Magnetic Hyperthermia Ablation of Tumors Using Injectable Fe3O4/Calcium Phosphate Cement. *ACS Applied Materials & Interfaces*, **2015**, 7, 13866-75	9.5	43
198	Large-Area Atomic Layers of the Charge-Density-Wave Conductor TiSe. *Advanced Materials*, **2018**, 30, 1704382	24	43
197	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. *Angewandte Chemie - International Edition*, **2020**, 59, 9693-9701	16.4	42
196	Synthesis and catalytic cracking performance of mesoporous zeolite Y. *Catalysis Communications*, **2016**, 73, 98-102	3.2	42
195	Hollow periodic mesoporous organosilicas for highly efficient HIFU-based synergistic therapy. *RSC Advances*, **2014**, 4, 17950	3.7	42
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193	Dual-mesoporous ZSM-5 zeolite with highly b-axis-oriented large mesopore channels for the production of benzoin ethyl ether. *Chemistry - A European Journal*, **2013**, 19, 10017-23	4.8	41
192	The Coppery Age: Copper (Cu)-Involved Nanotheranostics. *Advanced Science*, **2020**, 7, 2001549	13.6	41
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