Peng Huang

List of Publications by Citations

289	23,918	74	149
papers	citations	h-index	g-index
313	28,567	12.1	7.52
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
289	Targeting cancer cells by ROS-mediated mechanisms: a radical therapeutic approach?. *Nature Reviews Drug Discovery*, **2009**, 8, 579-91	64.1	3529
288	Nanotechnology for Multimodal Synergistic Cancer Therapy. *Chemical Reviews*, **2017**, 117, 13566-13638	68.1	949
287	Overcoming the Achilles'heel of photodynamic therapy. *Chemical Society Reviews*, **2016**, 45, 6488-6519	58.5	858
286	Nanozyme: new horizons for responsive biomedical applications. *Chemical Society Reviews*, **2019**, 48, 3683-3704	58.5	568
285	Light-triggered theranostics based on photosensitizer-conjugated carbon dots for simultaneous enhanced-fluorescence imaging and photodynamic therapy. *Advanced Materials*, **2012**, 24, 5104-10	24	557
284	Photosensitizer-loaded gold vesicles with strong plasmonic coupling effect for imaging-guided photothermal/photodynamic therapy. *ACS Nano*, **2013**, 7, 5320-9	16.7	534
283	Biodegradable gold nanovesicles with an ultrastrong plasmonic coupling effect for photoacoustic imaging and photothermal therapy. *Angewandte Chemie - International Edition*, **2013**, 52, 13958-13964	16.4	495
282	Two-dimensional transition metal carbides and nitrides (MXenes) for biomedical applications. *Chemical Society Reviews*, **2018**, 47, 5109-5124	58.5	450
281	Folic Acid-conjugated Graphene Oxide loaded with Photosensitizers for Targeting Photodynamic Therapy. *Theranostics*, **2011**, 1, 240-50	12.1	438
280	Single continuous wave laser induced photodynamic/plasmonic photothermal therapy using photosensitizer-functionalized gold nanostars. *Advanced Materials*, **2013**, 25, 3055-61	24	404
279	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. *Angewandte Chemie - International Edition*, **2017**, 56, 1229-1233	16.4	367
278	Folic acid-conjugated silica-modified gold nanorods for X-ray/CT imaging-guided dual-mode radiation and photo-thermal therapy. *Biomaterials*, **2011**, 32, 9796-809	15.6	353
277	Catalytic chemistry of glucose oxidase in cancer diagnosis and treatment. *Chemical Society Reviews*, **2018**, 47, 6454-6472	58.5	315
276	Sequential Drug Release and Enhanced Photothermal and Photoacoustic Effect of Hybrid Reduced Graphene Oxide-Loaded Ultrasmall Gold Nanorod Vesicles for Cancer Therapy. *ACS Nano*, **2015**, 9, 9199-209	16.7	284
275	RGD-conjugated dendrimer-modified gold nanorods for in vivo tumor targeting and photothermal therapy. *Molecular Pharmaceutics*, **2010**, 7, 94-104	5.6	270
274	Hierarchical Targeting Strategy for Enhanced Tumor Tissue Accumulation/Retention and Cellular Internalization. *Advanced Materials*, **2016**, 28, 7340-64	24	263
273	The photoluminescence, drug delivery and imaging properties of multifunctional Eu3+/Gd3+ dual-doped hydroxyapatite nanorods. *Biomaterials*, **2011**, 32, 9031-9	15.6	261

272	Biomineralization-Inspired Synthesis of Copper Sulfide-Ferritin Nanocages as Cancer Theranostics. *ACS Nano*, **2016**, 10, 3453-60	16.7	259
271	Dye-loaded ferritin nanocages for multimodal imaging and photothermal therapy. *Advanced Materials*, **2014**, 26, 6401-8	24	244
270	Graphene-based nanomaterials for bioimaging. *Advanced Drug Delivery Reviews*, **2016**, 105, 242-254	18.5	237
269	Glucose Oxidase-Instructed Multimodal Synergistic Cancer Therapy. *Advanced Materials*, **2019**, 31, e1808325	24	228
268	Ultrasmall Gold Nanorod Vesicles with Enhanced Tumor Accumulation and Fast Excretion from the Body for Cancer Therapy. *Advanced Materials*, **2015**, 27, 4910-7	24	226
267	Photosensitizer-conjugated magnetic nanoparticles for in vivo simultaneous magnetofluorescent imaging and targeting therapy. *Biomaterials*, **2011**, 32, 3447-58	15.6	225
266	Mitochondrial manganese-superoxide dismutase expression in ovarian cancer: role in cell proliferation and response to oxidative stress. *Journal of Biological Chemistry*, **2005**, 280, 39485-92	5.4	206
265	Dual Phase-Controlled Synthesis of Uniform Lanthanide-Doped NaGdF4 Upconversion Nanocrystals Via an OA/Ionic Liquid Two-Phase System for In Vivo Dual-Modality Imaging. *Advanced Functional Materials*, **2011**, 21, 4470-4477	15.6	205
264	Stimuli-Responsive Programmed Specific Targeting in Nanomedicine. *ACS Nano*, **2016**, 10, 2991-4	16.7	192
263	DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. *Nature Biomedical Engineering*, **2018**, 2, 865-877	19	184
262	Photosensitizer-conjugated silica-coated gold nanoclusters for fluorescence imaging-guided photodynamic therapy. *Biomaterials*, **2013**, 34, 4643-54	15.6	182
261	Triphase interface synthesis of plasmonic gold bellflowers as near-infrared light mediated acoustic and thermal theranostics. *Journal of the American Chemical Society*, **2014**, 136, 8307-13	16.4	179
260	Recent Advances in Photoacoustic Imaging for Deep-Tissue Biomedical Applications. *Theranostics*, **2016**, 6, 2394-2413	12.1	165
259	Biodegradable Manganese-Doped Calcium Phosphate Nanotheranostics for Traceable Cascade Reaction-Enhanced Anti-Tumor Therapy. *ACS Nano*, **2019**, 13, 13985-13994	16.7	162
258	Development of endogenous enzyme-responsive nanomaterials for theranostics. *Chemical Society Reviews*, **2018**, 47, 5554-5573	58.5	161
257	Tumor-Specific Formation of Enzyme-Instructed Supramolecular Self-Assemblies as Cancer Theranostics. *ACS Nano*, **2015**, 9, 9517-27	16.7	160
256	Gold Nanoparticle Coated Carbon Nanotube Ring with Enhanced Raman Scattering and Photothermal Conversion Property for Theranostic Applications. *Journal of the American Chemical Society*, **2016**, 138, 7005-15	16.4	160
255	Core-Satellite Polydopamine-Gadolinium-Metallofullerene Nanotheranostics for Multimodal Imaging Guided Combination Cancer Therapy. *Advanced Materials*, **2017**, 29, 1701013	24	146

254	Nanocatalytic Theranostics with Glutathione Depletion and Enhanced Reactive Oxygen Species Generation for Efficient Cancer Therapy. *Advanced Materials*, **2021**, 33, e2006892	24	142
253	In vivo volumetric photoacoustic molecular angiography and therapeutic monitoring with targeted plasmonic nanostars. *Small*, **2014**, 10, 1585-93, 1441	11	139
252	PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy. *Advanced Materials*, **2018**, 30, e1707112	24	138
251	Multimodal-Imaging-Guided Cancer Phototherapy by Versatile Biomimetic Theranostics with UV and Irradiation Protection. *Advanced Materials*, **2016**, 28, 3273-9	24	138
250	An aptamer-targeting photoresponsive drug delivery system using "off-on" graphene oxide wrapped mesoporous silica nanoparticles. *Nanoscale*, **2015**, 7, 6304-10	7.7	137
249	Plasmonic Vesicles of Amphiphilic Nanocrystals: Optically Active Multifunctional Platform for Cancer Diagnosis and Therapy. *Accounts of Chemical Research*, **2015**, 48, 2506-15	24.3	137
248	Enhanced fluorescence imaging guided photodynamic therapy of sinoporphyrin sodium loaded graphene oxide. *Biomaterials*, **2015**, 42, 94-102	15.6	134
247	Calcium-based biomaterials for diagnosis, treatment, and theranostics. *Chemical Society Reviews*, **2018**, 47, 357-403	58.5	131
246	Biodegradable Gold Nanovesicles with an Ultrastrong Plasmonic Coupling Effect for Photoacoustic Imaging and Photothermal Therapy. *Angewandte Chemie*, **2013**, 125, 14208-14214	3.6	125
245	NIR-Responsive On-Demand Release of CO from Metal Carbonyl-Caged Graphene Oxide Nanomedicine. *Advanced Materials*, **2015**, 27, 6741-6	24	124
244	Tri-stimuli-responsive biodegradable theranostics for mild hyperthermia enhanced chemotherapy. *Biomaterials*, **2017**, 126, 39-48	15.6	114
243	Bacteria-template synthesized silver microspheres with hollow and porous structures as excellent SERS substrate. *Green Chemistry*, **2010**, 12, 2038	10	114
242	Engineering PD-1-Presenting Platelets for Cancer Immunotherapy. *Nano Letters*, **2018**, 18, 5716-5725	11.5	113
241	Magnetic chitosan nanoparticles as a drug delivery system for targeting photodynamic therapy. *Nanotechnology*, **2009**, 20, 135102	3.4	113
240	Multifunctional Eu3+/Gd3+ dual-doped calcium phosphate vesicle-like nanospheres for sustained drug release and imaging. *Biomaterials*, **2012**, 33, 6447-55	15.6	112
239	Mesoporous silica-coated gold nanorods with embedded indocyanine green for dual mode X-ray CT and NIR fluorescence imaging. *Optics Express*, **2011**, 19, 17030-9	3.3	111
238	Bioresponsive Polyoxometalate Cluster for Redox-Activated Photoacoustic Imaging-Guided Photothermal Cancer Therapy. *Nano Letters*, **2017**, 17, 3282-3289	11.5	107
237	Unique role of ionic liquid in microwave-assisted synthesis of monodisperse magnetite nanoparticles. *Chemical Communications*, **2010**, 46, 3866-8	5.8	106

236	Enhanced Afterglow Performance of Persistent Luminescence Implants for Efficient Repeatable Photodynamic Therapy. *ACS Nano*, **2017**, 11, 5864-5872	16.7	105
235	Durable Antibacterial and Nonfouling Cotton Textiles with Enhanced Comfort via Zwitterionic Sulfopropylbetaine Coating. *Small*, **2016**, 12, 3516-21	11	105
234	A novel self-assembled sandwich nanomedicine for NIR-responsive release of NO. *Nanoscale*, **2015**, 7, 20055-62	7.7	101
233	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. *Nature Communications*, **2018**, 9, 5421	17.4	100
232	Mesoporous Polydopamine Carrying Manganese Carbonyl Responds to Tumor Microenvironment for Multimodal Imaging-Guided Cancer Therapy. *Advanced Functional Materials*, **2019**, 29, 1900095	15.6	96
231	Folic acid-conjugated LaF3:Yb,Tm@SiO2 nanoprobes for targeting dual-modality imaging of upconversion luminescence and X-ray computed tomography. *Journal of Physical Chemistry B*, **2012**, 116, 14062-70	3.4	91
230	Light-Responsive Biodegradable Nanorattles for Cancer Theranostics. *Advanced Materials*, **2018**, 30, 1706450	24	90
229	A nanoscale graphene oxide-peptide biosensor for real-time specific biomarker detection on the cell surface. *Chemical Communications*, **2012**, 48, 9768-70	5.8	90
228	A Versatile Theranostic Nanoemulsion for Architecture-Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy. *Advanced Materials*, **2019**, 31, e1806444	24	87
227	PET and NIR optical imaging using self-illuminating (64)Cu-doped chelator-free gold nanoclusters. *Biomaterials*, **2014**, 35, 9868-9876	15.6	86
226	Semimetal nanomaterials of antimony as highly efficient agent for photoacoustic imaging and photothermal therapy. *Biomaterials*, **2015**, 45, 18-26	15.6	86
225	Hierarchically assembled Au microspheres and sea urchin-like architectures: formation mechanism and SERS study. *Nanoscale*, **2012**, 4, 7766-72	7.7	84
224	Dual-Stimuli Responsive Bismuth Nanoraspberries for Multimodal Imaging and Combined Cancer Therapy. *Nano Letters*, **2018**, 18, 6778-6788	11.5	84
223	Programmable NIR-II Photothermal-Enhanced Starvation-Primed Chemodynamic Therapy using Glucose Oxidase-Functionalized Ancient Pigment Nanosheets. *Small*, **2020**, 16, e2001518	11	83
222	Optical and photoacoustic dual-modality imaging guided synergistic photodynamic/photothermal therapies. *Nanoscale*, **2015**, 7, 2520-6	7.7	80
221	Magneto-Plasmonic Janus Vesicles for Magnetic Field-Enhanced Photoacoustic and Magnetic Resonance Imaging of Tumors. *Angewandte Chemie - International Edition*, **2016**, 55, 15297-15300	16.4	79
220	Degradable silver-based nanoplatform for synergistic cancer starving-like/metal ion therapy. *Materials Horizons*, **2019**, 6, 169-175	14.4	78
219	Glucose Oxidase-Instructed Traceable Self-Oxygenation/Hyperthermia Dually Enhanced Cancer Starvation Therapy. *Theranostics*, **2020**, 10, 1544-1554	12.1	78

218	Ultra-small iron-gallic acid coordination polymer nanoparticles for chelator-free labeling of Cu and multimodal imaging-guided photothermal therapy. *Nanoscale*, **2017**, 9, 12609-12617	7.7	77
217	Dual-Stimuli Responsive Nanotheranostics for Multimodal Imaging Guided Trimodal Synergistic Therapy. *Small*, **2017**, 13, 1602580	11	75
216	Green controllable synthesis of silver nanomaterials on graphene oxide sheets via spontaneous reduction. *RSC Advances*, **2012**, 2, 3816	3.7	74
215	Recent Advances on Graphene Quantum Dots for Bioimaging Applications. *Frontiers in Chemistry*, **2020**, 8, 424	5	73
214	Zr-labeled nivolumab for imaging of T-cell infiltration in a humanized murine model of lung cancer. *European Journal of Nuclear Medicine and Molecular Imaging*, **2018**, 45, 110-120	8.8	73
213	In vivo albumin labeling and lymphatic imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 208-13	11.5	73
212	Aptamer-conjugated dendrimer-modified quantum dots for cancer cell targeting and imaging. *Materials Letters*, **2010**, 64, 375-378	3.3	73
211	Marriage of Albumin-Gadolinium Complexes and MoS Nanoflakes as Cancer Theranostics for Dual-Modality Magnetic Resonance/Photoacoustic Imaging and Photothermal Therapy. *ACS Applied Materials & Interfaces*, **2017**, 9, 17786-17798	9.5	72
210	VEGF-loaded graphene oxide as theranostics for multi-modality imaging-monitored targeting therapeutic angiogenesis of ischemic muscle. *Nanoscale*, **2013**, 5, 6857-66	7.7	71
209	Reversibly extracellular pH controlled cellular uptake and photothermal therapy by PEGylated mixed-charge gold nanostars. *Small*, **2015**, 11, 1801-10	11	70
208	Protein-directed one-pot synthesis of Ag microspheres with good biocompatibility and enhancement of radiation effects on gastric cancer cells. *Nanoscale*, **2011**, 3, 3623-6	7.7	70
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206	Early-stage imaging of nanocarrier-enhanced chemotherapy response in living subjects by scalable photoacoustic microscopy. *ACS Nano*, **2014**, 8, 12141-50	16.7	69
205	Manganese-Dioxide-Coating-Instructed Plasmonic Modulation of Gold Nanorods for Activatable Duplex-Imaging-Guided NIR-II Photothermal-Chemodynamic Therapy. *Advanced Materials*, **2021**, 33, e2008540	24	69
204	Protein-based photothermal theranostics for imaging-guided cancer therapy. *Nanoscale*, **2015**, 7, 16330-6	7.7	68
203	A novel quantum dots-based point of care test for syphilis. *Nanoscale Research Letters*, **2010**, 5, 875-81	5	68
202	Polydopamine-functionalized black phosphorus quantum dots for cancer theranostics. *Applied Materials Today*, **2019**, 15, 297-304	6.6	67
201	Folic acid-conjugated silica capped gold nanoclusters for targeted fluorescence/X-ray computed tomography imaging. *Journal of Nanobiotechnology*, **2013**, 11, 17	9.4	67

200	Tumor pH-responsive metastable-phase manganese sulfide nanotheranostics for traceable hydrogen sulfide gas therapy primed chemodynamic therapy. *Theranostics*, **2020**, 10, 2453-2462	12.1	67
199	Biodegradable titanium nitride MXene quantum dots for cancer phototheranostics in NIR-I/II biowindows. *Chemical Engineering Journal*, **2020**, 400, 126009	14.7	66
198	A Melanin-Based Natural Antioxidant Defense Nanosystem for Theranostic Application in Acute Kidney Injury. *Advanced Functional Materials*, **2019**, 29, 1904833	15.6	65
197	Bio-mimetically synthesized Ag@BSA microspheres as a novel electrochemical biosensing interface for sensitive detection of tumor cells. *Biosensors and Bioelectronics*, **2013**, 41, 656-62	11.8	65
196	Rolling up graphene oxide sheets into micro/nanoscrolls by nanoparticle aggregation. *Journal of Materials Chemistry*, **2012**, 22, 17441		63
195	Cyclodextrin-based polymer materials: From controlled synthesis to applications. *Progress in Polymer Science*, **2019**, 93, 1-35	29.6	62
194	Renal-Clearable Ultrasmall Coordination Polymer Nanodots for Chelator-Free Cu-Labeling and Imaging-Guided Enhanced Radiotherapy of Cancer. *ACS Nano*, **2017**, 11, 9103-9111	16.7	62
193	Ratiometric Photoacoustic Molecular Imaging for Methylmercury Detection in Living Subjects. *Advanced Materials*, **2017**, 29, 1606129	24	60
192	Chiral guanosine 5?-monophosphate-capped gold nanoflowers: Controllable synthesis, characterization, surface-enhanced Raman scattering activity, cellular imaging and photothermal therapy. *Nano Research*, **2012**, 5, 630-639	10	57
191	Biodegradable Calcium Phosphate Nanotheranostics with Tumor-Specific Activatable Cascade Catalytic Reactions-Augmented Photodynamic Therapy. *Advanced Functional Materials*, **2021**, 31, 2009848	15.6	57
190	Surface Functionalization of Chemically Reduced Graphene Oxide for Targeted Photodynamic Therapy. *Journal of Biomedical Nanotechnology*, **2015**, 11, 117-25	4	56
189	Studies on Preparation of Photosensitizer Loaded Magnetic Silica Nanoparticles and Their Anti-Tumor Effects for Targeting Photodynamic Therapy. *Nanoscale Research Letters*, **2009**, 4, 400-408	5	56
188	Copper selenide nanosnakes: bovine serum albumin-assisted room temperature controllable synthesis and characterization. *Nanoscale Research Letters*, **2010**, 5, 949-56	5	56
187	Janus □Fe2O3/SiO2-based nanotheranostics for dual-modal imaging and enhanced synergistic cancer starvation/chemodynamic therapy. *Science Bulletin*, **2020**, 65, 564-572	10.6	55
186	Insight into multifunctional polyester fabrics finished by one-step eco-friendly strategy. *Chemical Engineering Journal*, **2019**, 358, 634-642	14.7	55
185	Photoacoustic Probes for Molecular Detection: Recent Advances and Perspectives. *Small*, **2018**, 14, e1800782	10	54
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179	3D bioprinting scaffold using alginate/polyvinyl alcohol bioinks. *Materials Letters*, **2017**, 189, 295-298	3.3	49
178	Tumor pH-Responsive Albumin/Polyaniline Assemblies for Amplified Photoacoustic Imaging and Augmented Photothermal Therapy. *Small*, **2019**, 15, e1902926	11	49
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176	Biomimetic one-pot synthesis of gold nanoclusters/nanoparticles for targeted tumor cellular dual-modality imaging. *Nanoscale Research Letters*, **2013**, 8, 170	5	48
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171	Photoacoustic and Colorimetric Visualization of Latent Fingerprints. *ACS Nano*, **2015**, 9, 12344-8	16.7	44
170	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. *Angewandte Chemie*, **2017**, 129, 1249-1253	3.6	43
169	Glucose Oxidase-Instructed Fluorescence Amplification Strategy for Intracellular Glucose Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 10554-10558	9.5	43
168	Ultrasound-Enhanced Chemo-Photodynamic Combination Therapy by Using Albumin "Nanoglue"-Based Nanotheranostics. *ACS Nano*, **2020**, 14, 5560-5569	16.7	43
167	Multifunctional biodegradable mesoporous microspheres of Eu-doped amorphous calcium phosphate: microwave-assisted preparation, pH-sensitive drug release, and bioimaging application. *Journal of Materials Chemistry B*, **2014**, 2, 7132-7140	7.3	43
166	In Vivo Near-Infrared Fluorescence and Photoacoustic Dual-Modal Imaging of Endogenous Alkaline Phosphatase. *Analytical Chemistry*, **2019**, 91, 7112-7117	7.8	42
165	Light-Triggered Transformable Ferrous Ion Delivery System for Photothermal Primed Chemodynamic Therapy. *Angewandte Chemie - International Edition*, **2021**, 60, 6047-6054	16.4	42

164	A general strategy for the synthesis of upconversion rare earth fluoride nanocrystals via a novel OA/ionic liquid two-phase system. *Chemical Communications*, **2011**, 47, 9510-2	5.8	41
163	Conquering the Hypoxia Limitation for Photodynamic Therapy. *Advanced Materials*, **2021**, 33, e2103978	24	41
162	Six Birds with One Stone: Versatile Nanoporphyrin for Single-Laser-Triggered Synergistic Phototheranostics and Robust Immune Activation. *Advanced Materials*, **2020**, 32, e2004481	24	40
161	Self-assembly mechanisms of nanofibers from peptide amphiphiles in solution and on substrate surfaces. *Nanoscale*, **2016**, 8, 14814-20	7.7	39
160	Black Phosphorus Nanosheets for Mild Hyperthermia-Enhanced Chemotherapy and Chemo-Photothermal Combination Therapy. *Nanotheranostics*, **2017**, 1, 208-216	5.6	38
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152	Polypeptide-Based Theranostics with Tumor-Microenvironment-Activatable Cascade Reaction for Chemo-ferroptosis Combination Therapy. *ACS Applied Materials & Interfaces*, **2020**, 12, 20271-20280	9.5	32
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141	Electrospinning of Heparin Encapsulated P(LLA-CL) Core/Shell Nanofibers. *Nano Biomedicine and Engineering*, **2010**, 2,	2.9	28
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139	Tumor-Specific Activatable Nanocarriers with Gas-Generation and Signal Amplification Capabilities for Tumor Theranostics. *ACS Nano*, **2021**, 15, 1627-1639	16.7	28
138	Development of Sialic Acid-coated Nanoparticles for Targeting Cancer and Efficient Evasion of the Immune System. *Theranostics*, **2017**, 7, 962-973	12.1	27
137	Chelator-Free Labeling of Metal Oxide Nanostructures with Zirconium-89 for Positron Emission Tomography Imaging. *ACS Nano*, **2017**, 11, 12193-12201	16.7	27
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131	Liver-targeted delivery of TSG-6 by calcium phosphate nanoparticles for the management of liver fibrosis. *Theranostics*, **2020**, 10, 36-49	12.1	25
130	In Vivo Chemoselective Photoacoustic Imaging of Copper(II) in Plant and Animal Subjects. *Small*, **2019**, 15, e1803866	11	25
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