u00c6ther J Q Wang

List of Publications by Year
in descending order

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83 papers	6,035 citations	94269 37 h-index	71532 76 g-index
85 all docs	85 docs citations	85 times ranked	8403 citing authors

#	Article	IF	Citations
1	Metalâ€“Organic Frameworkâ€Based Stimuliâ€Responsive Systems for Drug Delivery. Advanced Science, 2019, 6, 1801526.	5.6	491
2	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. Chemical Society Reviews, 2019, 48, 2891-2912.	18.7	482
3	A Novel Topâ€Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imagingâ€Guided Cancer Therapy. Advanced Materials, 2018, 30, e1803031.	11.1	318
4	Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics. Advanced Materials, 2018, 30, e1802061.	11.1	314
5	Engineering Phototheranostic Nanoscale Metalâ€“Organic Frameworks for Multimodal Imaging-Guided Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 2040-2051.	4.0	278
6	In situ sprayed NIR-responsive, analgesic black phosphorus-based gel for diabetic ulcer treatment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28667-28677.	3.3	244
7	Polysaccharideâ€Based Controlled Release Systems for Therapeutics Delivery and Tissue Engineering: From Bench to Bedside. Advanced Science, 2018, 5, 1700513.	5.6	226
8	Tumor Microenvironmentâ€Triggered Supramolecular System as an In Situ Nanotheranostic Generator for Cancer Phototherapy. Advanced Materials, 2017, 29, 1605928.	11.1	222
9	Glutathione-Responsive Prodrug Nanoparticles for Effective Drug Delivery and Cancer Therapy. ACS Nano, 2019, 13, 357-370.	7.3	204
10	Tumor Microenvironment-Responsive Ultrasmall Nanodrug Generators with Enhanced Tumor Delivery and Penetration. Journal of the American Chemical Society, 2018, 140, 14980-14989.	6.6	180
11	Synthetic mRNA nanoparticle-mediated restoration of p53 tumor suppressor sensitizes p53 -deficient cancers to mTOR inhibition. Science Translational Medicine, 2019, 11, .	5.8	177
12	High Performance Photoluminescent Carbon Dots for In Vitro and In Vivo Bioimaging: Effect of Nitrogen Doping Ratios. Langmuir, 2015, 31, 8063-8073.	1.6	175
13	Glutathione-Scavenging Poly(disulfide amide) Nanoparticles for the Effective Delivery of Pt(IV) Prodrugs and Reversal of Cisplatin Resistance. Nano Letters, 2018, 18, 4618-4625.	4.5	173
14	ROS-Mediated Selective Killing Effect of Black Phosphorus: Mechanistic Understanding and Its Guidance for Safe Biomedical Applications. Nano Letters, 2020, 20, 3943-3955.	4.5	158
15	Increased low back pain prevalence in females than in males after menopause age: evidences based on synthetic literature review. Quantitative Imaging in Medicine and Surgery, 2016, 6, 199-206.	1.1	157
16	siRNA nanoparticles targeting CaMKIIÎ³ in lesional macrophages improve atherosclerotic plaque stability in mice. Science Translational Medicine, 2020, 12, .	5.8	132
17	Genetically Engineered Cell Membrane Nanovesicles for Oncolytic Adenovirus Delivery: A Versatile Platform for Cancer Virotherapy. Nano Letters, 2019, 19, 2993-3001.	4.5	115
18	Melaninâ€Like Nanomaterials for Advanced Biomedical Applications: A Versatile Platform with Extraordinary Promise. Advanced Science, 2020, 7, 1903129.	5.6	113

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19	Fe(III)â€Porphyrin Sonotheranostics: A Green Tripleâ€Regulated ROS Generation Nanoplatform for Enhanced Cancer Imaging and Therapy. Advanced Functional Materials, 2019, 29, 1904056.	7.8	111
20	Imaging-guided delivery of RNAi for anticancer treatment. Advanced Drug Delivery Reviews, 2016, 104, 44-60.	6.6	102
21	Nanoâ€“Bio Interactions in Cancer: From Therapeutics Delivery to Early Detection. Accounts of Chemical Research, 2021, 54, 291-301.	7.6	95
22	Oral Insulin Delivery Platforms: Strategies To Address the Biological Barriers. Angewandte Chemie - International Edition, 2020, 59, 19787-19795.	7.2	88
23	Intravesical delivery of KDM6A -mRNA via mucoadhesive nanoparticles inhibits the metastasis of bladder cancer. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	87
24	Imaging Nanoâ€“Bio Interactions in the Kidney: Toward a Better Understanding of Nanoparticle Clearance. Angewandte Chemie - International Edition, 2018, 57, 3008-3010.	7.2	81
25	Peptide-Based Autophagic Gene and Cisplatin Co-delivery Systems Enable Improved Chemotherapy Resistance. Nano Letters, 2019, 19, 2968-2978.	4.5	81
26	Nanobuffering of pH-Responsive Polymers: A Known but Sometimes Overlooked Phenomenon and Its Biological Applications. ACS Nano, 2019, 13, 4876-4882.	7.3	77
27	Multifunctional Fibers to Shape Future Biomedical Devices. Advanced Functional Materials, 2019, 29, 1902834.	7.8	74
28	A single-step multi-level supramolecular system for cancer sonotheranostics. Nanoscale Horizons, 2019, 4, 190-195.	4.1	71
29	Icariin Activates Autophagy via Down-Regulation of the NF-ÎºB Signaling-Mediated Apoptosis in Chondrocytes. Frontiers in Pharmacology, 2018, 9, 605.	1.6	63
30	Opportunities and Challenges of Fluorescent Carbon Dots in Translational Optical Imaging. Current Pharmaceutical Design, 2015, 21, 5401-5416.	0.9	61
31	In Situ Manipulation of Dendritic Cells by an Autophagy-Regulative Nanoactivator Enables Effective Cancer Immunotherapy. ACS Nano, 2019, 13, 7568-7577.	7.3	55
32	Functional biomimetic nanoparticles for drug delivery and theranostic applications in cancer treatment. Science and Technology of Advanced Materials, 2018, 19, 771-790.	2.8	49
33	Emerging Advances in Nanotheranostics with Intelligent Bioresponsive Systems. Theranostics, 2017, 7, 3915-3919.	4.6	48
34	Structural Transformative Antioxidants for Dualâ€Responsive Antiâ€Inflammatory Delivery and Photoacoustic Inflammation Imaging. Angewandte Chemie - International Edition, 2021, 60, 14458-14466.	7.2	43
35	Gold nanorods@metal-organic framework core-shell nanostructure as contrast agent for photoacoustic imaging and its biocompatibility. Journal of Alloys and Compounds, 2018, 748, 193-198.	2.8	42
36	Metal-organic frameworks nanoswitch: Toward photo-controllable endo/lysosomal rupture and release for enhanced cancer RNA interference. Nano Research, 2020, 13, 238-245.	5.8	42

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37	Dual Hypoxia-Targeting RNAi Nanomedicine for Precision Cancer Therapy. Nano Letters, 2020, 20, 4857-4863.	4.5	42
38	Ultra-high loading of sinoporphyrin sodium in ferritin for single-wave motivated photothermal and photodynamic co-therapy. Biomaterials Science, 2017, 5, 1512-1516.	2.6	40
39	Siteâ€Specific Biomimicry of Antioxidative Melanin Formation and Its Application for Acute Liver Injury Therapy and Imaging. Advanced Materials, 2021, 33, e2102391.	11.1	38
40	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy. Acta Pharmaceutica Sinica B, 2021, 11, 3447-3464.	5.7	35
41	Genetically Engineered Cellular Membrane Vesicles as Tailorable Shells for Therapeutics. Advanced Science, 2021, 8, e2100460.	5.6	34
42	Oxidative stress-driven DR5 upregulation restores TRAIL/Apo2L sensitivity induced by iron oxide nanoparticles in colorectal cancer. Biomaterials, 2020, 233, 119753.	5.7	32
43	Neprilysin gene transfer: A promising therapeutic approach for <scp>A</scp>lzheimer's disease. Journal of Neuroscience Research, 2015, 93, 1325-1329.	1.3	24
44	Engineering the surface of Gd2O3 nanoplates for improved T1-weighted magnetic resonance imaging. Chemical Engineering Journal, 2020, 380, 122473.	6.6	20
45	Eumelaninâ€“Fe₃O₄ hybrid nanoparticles for enhanced MR/PA imaging-assisted local photothermolysis. Biomaterials Science, 2018, 6, 586-595.	2.6	19
46	Mimovirus Vesicleâ€Based Biological Orthogonal Reaction for Cancer Diagnosis. Small Methods, 2020, 4, 2000291.	4.6	19
47	Gadolinium hybrid iron oxide nanocomposites for dual T₁- and T₂-weighted MR imaging of cell labeling. Biomaterials Science, 2017, 5, 50-56.	2.6	18
48	Comprehensive insights into intracellular fate of WS₂ nanosheets for enhanced photothermal therapeutic outcomes via exocytosis inhibition. Nanophotonics, 2019, 8, 2331-2346.	2.9	16
49	A simple and controllable hydrothermal route for the synthesis of monodispersed cube-like barium titanate nanocrystals. Ceramics International, 2015, 41, 4514-4522.	2.3	15
50	Preparation and luminescent properties of GdOF:Ce, Tb nanoparticles and their transparent PMMA nanocomposites. Optical Materials, 2015, 43, 36-41.	1.7	15
51	Identification and functional analysis of phosphorylation in Newcastle disease virus phosphoprotein. Archives of Virology, 2016, 161, 2103-2116.	0.9	15
52	Advancing the Pharmaceutical Potential of Bioinorganic Hybrid Lipidâ€Based Assemblies. Advanced Science, 2018, 5, 1800564.	5.6	15
53	Rational engineering of ferritin nanocages for targeted therapy of osteoarthritis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102210.	1.7	15
54	Size-Controlled Biocompatible Silver Nanoplates for Contrast-Enhanced Intravital Photoacoustic Mapping of Tumor Vasculature. Journal of Biomedical Nanotechnology, 2018, 14, 1448-1457.	0.5	14

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55	Functional probes for cardiovascular molecular imaging. Quantitative Imaging in Medicine and Surgery, 2018, 8, 838-852.	1.1	14
56	Pulsed Magnetic Field Stimuli Can Promote Chondrogenic Differentiation of Superparamagnetic Iron Oxide Nanoparticles-Labeled Mesenchymal Stem Cells in Rats. Journal of Biomedical Nanotechnology, 2018, 14, 2135-2145.	0.5	14
57	Cell-surface cascaded landing location for nanotheranostics. Chinese Chemical Letters, 2017, 28, 1799-1800.	4.8	13
58	Biomimetic synthesis of nanovesicles for targeted drug delivery. Science Bulletin, 2018, 63, 663-665.	4.3	12
59	Magnetosome Modification: From Bioâ€Nano Engineering Toward Nanomedicine. Advanced Therapeutics, 2018, 1, 1800080.	1.6	12
60	Intelligent Albumin-Stabilized Manganese Dioxide Nanocomposites for Tumor Microenvironment Responsive Phototherapy. Journal of Biomedical Nanotechnology, 2017, 13, 1321-1332.	0.5	12
61	Lipidation Approaches Potentiate Adjuvant-Pulsed Immune Surveillance: A Design Rationale for Cancer Nanovaccine. Frontiers in Bioengineering and Biotechnology, 2020, 8, 787.	2.0	11
62	Tumor Microenvironment-Specific Chemical Internalization for Enhanced Gene Therapy of Metastatic Breast Cancer. Research, 2021, 2021, .	2.8	10
63	Exponential growth of publications on carbon nanodots by Chinese authors. Journal of Thoracic Disease, 2015, 7, E201-5.	0.6	10
64	NanoTRAILâ€Oncology: A Strategic Approach in Cancer Research and Therapy. Advanced Healthcare Materials, 2018, 7, e1800053.	3.9	9
65	InÂvivo three-dimensional magnetic resonance imaging of rat knee osteoarthritis model induced using meniscal transection. Journal of Orthopaedic Translation, 2015, 3, 134-141.	1.9	8
66	Melittin Tryptophan Substitution with a Fluorescent Amino Acid Reveals the Structural Basis of Selective Antitumor Effect and Subcellular Localization in Tumor Cells. Toxins, 2022, 14, 428.	1.5	8
67	Enzyme-responsive polymers for drug delivery and molecular imaging. , 2018, , 101-119.		6
68	Sonoactivated Nanoantimicrobials: A Potent Armament in the Postantibiotic Era. ACS Applied Bio Materials, 2020, 3, 7255-7264.	2.3	5
69	Plattformen fÃ¼r die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren. Angewandte Chemie, 2020, 132, 19955-19964.	1.6	5
70	De novo Design of G Protein-Coupled Receptor 40 Peptide Agonists for Type 2 Diabetes Mellitus Based on Artificial Intelligence and Site-Directed Mutagenesis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 694100.	2.0	5
71	Cancer Theranostics: A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy (Adv. Mater. 36/2018). Advanced Materials, 2018, 30, 1870268.	11.1	4
72	Structural Transformative Antioxidants for Dualâ€Responsive Antiâ€Inflammatory Delivery and Photoacoustic Inflammation Imaging. Angewandte Chemie, 2021, 133, 14579-14587.	1.6	4

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73	An in Silico Approach to Reveal the Nanodisc Formulation of Doxorubicin. Frontiers in Bioengineering and Biotechnology, 2022, 10, 859255.	2.0	4
74	Cancer Theranostics: Twoâ€Dimensional Antimoneneâ€Based Photonic Nanomedicine for Cancer Theranostics (Adv. Mater. 38/2018). Advanced Materials, 2018, 30, 1870283.	11.1	3
75	Phototherapy: Tumor Microenvironmentâ€Triggered Supramolecular System as an In Situ Nanotheranostic Generator for Cancer Phototherapy (Adv. Mater. 23/2017). Advanced Materials, 2017, 29, .	11.1	1
76	Theranostic Magnetic Nanoparticles as Molecular Imaging Agents for siRNA Delivery. , 2018, , 551-576.		1
77	An ultra-long circulating nanoparticle for reviving a highly selective BCR-ABL inhibitor in long-term effective and safe treatment of chronic myeloid leukemia. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102283.	1.7	1
78	RÃ¼cktitelbild: Plattformen fÃ¼r die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren (Angew. Chem. 45/2020). Angewandte Chemie, 2020, 132, 20424-20424.	1.6	1
79	Bridging the preoperative gap of precision hepatectomy: Superstable homogeneous iodinated formulation technology. Journal of Interventional Medicine, 2021, 4, 8-10.	0.2	1
80	Editorial: Emerging Advances in Bio-Nano Engineered Approaches Toward Intelligent Nanomedicine. Frontiers in Bioengineering and Biotechnology, 2021, 9, 703227.	2.0	1
81	Editorial: The Application of Nanoengineering in Advanced Drug Delivery and Translational Research. Frontiers in Bioengineering and Biotechnology, 2022, 10, 886109.	2.0	1
82	Transforming a clinical fluorescent dye to sense and treat iron overload disorders: a new reverse translational approach in precision medicine. Quantitative Imaging in Medicine and Surgery, 2022, 12, 3020-3023.	1.1	1
83	Bildgebung von Nanoâ€Bioâ€Interaktionen in der Niere: FÃ¼r ein besseres VerstÃndnis der Nanopartikelâ€Clearance. Angewandte Chemie, 2018, 130, 3060-3062.	1.6	0