

# u00c6ther J Q Wang

## List of Publications by Year in descending order

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83  
papers

6,035  
citations

94433

37  
h-index

71685

76  
g-index

85  
all docs

85  
docs citations

85  
times ranked

8403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Framework-Based Stimuli-Responsive Systems for Drug Delivery. <i>Advanced Science</i> , 2019, 6, 1801526.	11.2	491
2	Emerging two-dimensional monoelemental materials (Xenes) for biomedical applications. <i>Chemical Society Reviews</i> , 2019, 48, 2891-2912.	38.1	482
3	A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy. <i>Advanced Materials</i> , 2018, 30, e1803031.	21.0	318
4	Two-Dimensional Antimonene-Based Photonic Nanomedicine for Cancer Theranostics. <i>Advanced Materials</i> , 2018, 30, e1802061.	21.0	314
5	Engineering Phototheranostic Nanoscale Metal-Organic Frameworks for Multimodal Imaging-Guided Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2040-2051.	8.0	278
6	In situ sprayed NIR-responsive, analgesic black phosphorus-based gel for diabetic ulcer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28667-28677.	7.1	244
7	Polysaccharide-Based Controlled Release Systems for Therapeutics Delivery and Tissue Engineering: From Bench to Bedside. <i>Advanced Science</i> , 2018, 5, 1700513.	11.2	226
8	Tumor Microenvironment-Triggered Supramolecular System as an In Situ Nanotheranostic Generator for Cancer Phototherapy. <i>Advanced Materials</i> , 2017, 29, 1605928.	21.0	222
9	Glutathione-Responsive Prodrug Nanoparticles for Effective Drug Delivery and Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 357-370.	14.6	204
10	Tumor Microenvironment-Responsive Ultrasmall Nanodrug Generators with Enhanced Tumor Delivery and Penetration. <i>Journal of the American Chemical Society</i> , 2018, 140, 14980-14989.	13.7	180
11	Synthetic mRNA nanoparticle-mediated restoration of p53 tumor suppressor sensitizes p53-deficient cancers to mTOR inhibition. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	177
12	High Performance Photoluminescent Carbon Dots for In Vitro and In Vivo Bioimaging: Effect of Nitrogen Doping Ratios. <i>Langmuir</i> , 2015, 31, 8063-8073.	3.5	175
13	Glutathione-Scavenging Poly(disulfide amide) Nanoparticles for the Effective Delivery of Pt(IV) Prodrugs and Reversal of Cisplatin Resistance. <i>Nano Letters</i> , 2018, 18, 4618-4625.	9.1	173
14	ROS-Mediated Selective Killing Effect of Black Phosphorus: Mechanistic Understanding and Its Guidance for Safe Biomedical Applications. <i>Nano Letters</i> , 2020, 20, 3943-3955.	9.1	158
15	Increased low back pain prevalence in females than in males after menopause age: evidences based on synthetic literature review. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 199-206.	2.0	157
16	siRNA nanoparticles targeting CaMKII $\beta$ in lesional macrophages improve atherosclerotic plaque stability in mice. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	132
17	Genetically Engineered Cell Membrane Nanovesicles for Oncolytic Adenovirus Delivery: A Versatile Platform for Cancer Virotherapy. <i>Nano Letters</i> , 2019, 19, 2993-3001.	9.1	115
18	Melanin-Like Nanomaterials for Advanced Biomedical Applications: A Versatile Platform with Extraordinary Promise. <i>Advanced Science</i> , 2020, 7, 1903129.	11.2	113

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19	Fe(III)â€Porphyrin Sonotheanostics: A Green Tripleâ€Regulated ROS Generation Nanoplatform for Enhanced Cancer Imaging and Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1904056.	14.9	111
20	Imaging-guided delivery of RNAi for anticancer treatment. <i>Advanced Drug Delivery Reviews</i> , 2016, 104, 44-60.	13.7	102
21	Nanoâ€Bio Interactions in Cancer: From Therapeutics Delivery to Early Detection. <i>Accounts of Chemical Research</i> , 2021, 54, 291-301.	15.6	95
22	Oral Insulin Delivery Platforms: Strategies To Address the Biological Barriers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19787-19795.	13.8	88
23	Intravesical delivery of <i>KDM6A</i> mRNA via mucoadhesive nanoparticles inhibits the metastasis of bladder cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	87
24	Imaging Nanoâ€Bio Interactions in the Kidney: Toward a Better Understanding of Nanoparticle Clearance. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3008-3010.	13.8	81
25	Peptide-Based Autophagic Gene and Cisplatin Co-delivery Systems Enable Improved Chemotherapy Resistance. <i>Nano Letters</i> , 2019, 19, 2968-2978.	9.1	81
26	Nanobuffering of pH-Responsive Polymers: A Known but Sometimes Overlooked Phenomenon and Its Biological Applications. <i>ACS Nano</i> , 2019, 13, 4876-4882.	14.6	77
27	Multifunctional Fibers to Shape Future Biomedical Devices. <i>Advanced Functional Materials</i> , 2019, 29, 1902834.	14.9	74
28	A single-step multi-level supramolecular system for cancer sonotheranostics. <i>Nanoscale Horizons</i> , 2019, 4, 190-195.	8.0	71
29	Icariin Activates Autophagy via Down-Regulation of the NF- $\kappa$ B Signaling-Mediated Apoptosis in Chondrocytes. <i>Frontiers in Pharmacology</i> , 2018, 9, 605.	3.5	63
30	Opportunities and Challenges of Fluorescent Carbon Dots in Translational Optical Imaging. <i>Current Pharmaceutical Design</i> , 2015, 21, 5401-5416.	1.9	61
31	<i>In Situ</i> Manipulation of Dendritic Cells by an Autophagy-Regulative Nanoactivator Enables Effective Cancer Immunotherapy. <i>ACS Nano</i> , 2019, 13, 7568-7577.	14.6	55
32	Functional biomimetic nanoparticles for drug delivery and theranostic applications in cancer treatment. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 771-790.	6.1	49
33	Emerging Advances in Nanotheranostics with Intelligent Bioresponsive Systems. <i>Theranostics</i> , 2017, 7, 3915-3919.	10.0	48
34	Structural Transformative Antioxidants for Dualâ€Responsive Antiâ€Inflammatory Delivery and Photoacoustic Inflammation Imaging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14458-14466.	13.8	43
35	Gold nanorods@metal-organic framework core-shell nanostructure as contrast agent for photoacoustic imaging and its biocompatibility. <i>Journal of Alloys and Compounds</i> , 2018, 748, 193-198.	5.5	42
36	Metal-organic frameworks nanoswitch: Toward photo-controllable endo/lysosomal rupture and release for enhanced cancer RNA interference. <i>Nano Research</i> , 2020, 13, 238-245.	10.4	42

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37	Dual Hypoxia-Targeting RNAi Nanomedicine for Precision Cancer Therapy. <i>Nano Letters</i> , 2020, 20, 4857-4863.	9.1	42
38	Ultra-high loading of sinoporphyrin sodium in ferritin for single-wave motivated photothermal and photodynamic co-therapy. <i>Biomaterials Science</i> , 2017, 5, 1512-1516.	5.4	40
39	Site-Specific Biomimicry of Antioxidative Melanin Formation and Its Application for Acute Liver Injury Therapy and Imaging. <i>Advanced Materials</i> , 2021, 33, e2102391.	21.0	38
40	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3447-3464.	12.0	35
41	Genetically Engineered Cellular Membrane Vesicles as Tailorable Shells for Therapeutics. <i>Advanced Science</i> , 2021, 8, e2100460.	11.2	34
42	Oxidative stress-driven DR5 upregulation restores TRAIL/Apo2L sensitivity induced by iron oxide nanoparticles in colorectal cancer. <i>Biomaterials</i> , 2020, 233, 119753.	11.4	32
43	Neprilysin gene transfer: A promising therapeutic approach for Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2015, 93, 1325-1329.	2.9	24
44	Engineering the surface of Gd <sub>2</sub> O <sub>3</sub> nanoplates for improved T <sub>1</sub> -weighted magnetic resonance imaging. <i>Chemical Engineering Journal</i> , 2020, 380, 122473.	12.7	20
45	Eumelanin-Fe <sub>3</sub> O <sub>4</sub> hybrid nanoparticles for enhanced MR/PA imaging-assisted local photothermalolysis. <i>Biomaterials Science</i> , 2018, 6, 586-595.	5.4	19
46	Mimovirus Vesicle-Based Biological Orthogonal Reaction for Cancer Diagnosis. <i>Small Methods</i> , 2020, 4, 2000291.	8.6	19
47	Gadolinium hybrid iron oxide nanocomposites for dual T <sub>1</sub> - and T <sub>2</sub> -weighted MR imaging of cell labeling. <i>Biomaterials Science</i> , 2017, 5, 50-56.	5.4	18
48	Comprehensive insights into intracellular fate of WS <sub>2</sub> nanosheets for enhanced photothermal therapeutic outcomes via exocytosis inhibition. <i>Nanophotonics</i> , 2019, 8, 2331-2346.	6.0	16
49	A simple and controllable hydrothermal route for the synthesis of monodispersed cube-like barium titanate nanocrystals. <i>Ceramics International</i> , 2015, 41, 4514-4522.	4.8	15
50	Preparation and luminescent properties of GdOF:Ce, Tb nanoparticles and their transparent PMMA nanocomposites. <i>Optical Materials</i> , 2015, 43, 36-41.	3.6	15
51	Identification and functional analysis of phosphorylation in Newcastle disease virus phosphoprotein. <i>Archives of Virology</i> , 2016, 161, 2103-2116.	2.1	15
52	Advancing the Pharmaceutical Potential of Bioinorganic Hybrid Lipid-Based Assemblies. <i>Advanced Science</i> , 2018, 5, 1800564.	11.2	15
53	Rational engineering of ferritin nanocages for targeted therapy of osteoarthritis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102210.	3.3	15
54	Size-Controlled Biocompatible Silver Nanoplates for Contrast-Enhanced Intravital Photoacoustic Mapping of Tumor Vasculature. <i>Journal of Biomedical Nanotechnology</i> , 2018, 14, 1448-1457.	1.1	14

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55	Functional probes for cardiovascular molecular imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 838-852.	2.0	14
56	Pulsed Magnetic Field Stimuli Can Promote Chondrogenic Differentiation of Superparamagnetic Iron Oxide Nanoparticles-Labeled Mesenchymal Stem Cells in Rats. <i>Journal of Biomedical Nanotechnology</i> , 2018, 14, 2135-2145.	1.1	14
57	Cell-surface cascaded landing location for nanotheranostics. <i>Chinese Chemical Letters</i> , 2017, 28, 1799-1800.	9.0	13
58	Biomimetic synthesis of nanovesicles for targeted drug delivery. <i>Science Bulletin</i> , 2018, 63, 663-665.	9.0	12
59	Magnetosome Modification: From Bio-Nano Engineering Toward Nanomedicine. <i>Advanced Therapeutics</i> , 2018, 1, 1800080.	3.2	12
60	Intelligent Albumin-Stabilized Manganese Dioxide Nanocomposites for Tumor Microenvironment Responsive Phototherapy. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 1321-1332.	1.1	12
61	Lipidation Approaches Potentiate Adjuvant-Pulsed Immune Surveillance: A Design Rationale for Cancer Nanovaccine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 787.	4.1	11
62	Tumor Microenvironment-Specific Chemical Internalization for Enhanced Gene Therapy of Metastatic Breast Cancer. <i>Research</i> , 2021, 2021, .	5.7	10
63	Exponential growth of publications on carbon nanodots by Chinese authors. <i>Journal of Thoracic Disease</i> , 2015, 7, E201-5.	1.4	10
64	NanoTRAIL-Oncology: A Strategic Approach in Cancer Research and Therapy. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800053.	7.6	9
65	In-Vivo three-dimensional magnetic resonance imaging of rat knee osteoarthritis model induced using meniscal transection. <i>Journal of Orthopaedic Translation</i> , 2015, 3, 134-141.	3.9	8
66	Melittin Tryptophan Substitution with a Fluorescent Amino Acid Reveals the Structural Basis of Selective Antitumor Effect and Subcellular Localization in Tumor Cells. <i>Toxins</i> , 2022, 14, 428.	3.4	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. <i>ACS Applied Bio Materials</i> , 2020, 3, 7255-7264.	4.6	5
69	Plattformen für die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren. <i>Angewandte Chemie</i> , 2020, 132, 19955-19964.	2.0	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. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 694100.	4.1	5
71	Cancer Theranostics: A Novel Top-Down Synthesis of Ultrathin 2D Boron Nanosheets for Multimodal Imaging-Guided Cancer Therapy ( <i>Adv. Mater.</i> 36/2018). <i>Advanced Materials</i> , 2018, 30, 1870268.	21.0	4
72	Structural Transformative Antioxidants for Dual-Responsive Anti-Inflammatory Delivery and Photoacoustic Inflammation Imaging. <i>Angewandte Chemie</i> , 2021, 133, 14579-14587.	2.0	4

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73	An in Silico Approach to Reveal the Nanodisc Formulation of Doxorubicin. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 859255.	4.1	4
74	Cancer Theranostics: Two-Dimensional Antimonene-Based Photonic Nanomedicine for Cancer Theranostics ( <i>Adv. Mater.</i> 38/2018). <i>Advanced Materials</i> , 2018, 30, 1870283.	21.0	3
75	Phototherapy: Tumor Microenvironment-Triggered Supramolecular System as an In Situ Nanotheranostic Generator for Cancer Phototherapy ( <i>Adv. Mater.</i> 23/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	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. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102283.	3.3	1
78	Rücktitelbild: Plattformen für die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren ( <i>Angew. Chem.</i> 45/2020). <i>Angewandte Chemie</i> , 2020, 132, 20424-20424.	2.0	1
79	Bridging the preoperative gap of precision hepatectomy: Superstable homogeneous iodinated formulation technology. <i>Journal of Interventional Medicine</i> , 2021, 4, 8-10.	0.5	1
80	Editorial: Emerging Advances in Bio-Nano Engineered Approaches Toward Intelligent Nanomedicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 703227.	4.1	1
81	Editorial: The Application of Nanoengineering in Advanced Drug Delivery and Translational Research. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 886109.	4.1	1
82	Transforming a clinical fluorescent dye to sense and treat iron overload disorders: a new reverse translational approach in precision medicine. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 3020-3023.	2.0	1
83	Bildgebung von Nano-Bio-Interaktionen in der Niere: für ein besseres Verständnis der Nanopartikel-Clearance. <i>Angewandte Chemie</i> , 2018, 130, 3060-3062.	2.0	0