

# Peiyuan Wang

## List of Publications by Citations

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30  
papers

2,235  
citations

21  
h-index

32  
g-index

32  
ext. papers

2,694  
ext. citations

13.5  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
30	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 941-946	28.7	404
29	Near-Infrared Upconversion Mesoporous Cerium Oxide Hollow Biophotocatalyst for Concurrent pH-/H <sub>2</sub> O <sub>2</sub> -Responsive O <sub>2</sub> -Evolving Synergetic Cancer Therapy. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704833	24	272
28	NIR-II nanoprobes in-vivo assembly to improve image-guided surgery for metastatic ovarian cancer. <i>Nature Communications</i> , <b>2018</b> , 9, 2898	17.4	243
27	Near-Infrared-Triggered Azobenzene-Liposome/Upconversion Nanoparticle Hybrid Vesicles for Remotely Controlled Drug Delivery to Overcome Cancer Multidrug Resistance. <i>Advanced Materials</i> , <b>2016</b> , 28, 9341-9348	24	229
26	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. <i>ACS Central Science</i> , <b>2017</b> , 3, 839-846	16.8	140
25	Orthogonal near-infrared upconversion co-regulated site-specific O <sub>2</sub> delivery and photodynamic therapy for hypoxia tumor by using red blood cell microcarriers. <i>Biomaterials</i> , <b>2017</b> , 125, 90-100	15.6	110
24	Supramolecularly Engineered NIR-II and Upconversion Nanoparticles In Vivo Assembly and Disassembly to Improve Bioimaging. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804982	24	105
23	Near-Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2611-2615	16.4	85
22	Tumor Microenvironment Responsive Shape-Reversal Self-Targeting Virus-Inspired Nanodrug for Imaging-Guided Near-Infrared-II Photothermal Chemotherapy. <i>ACS Nano</i> , <b>2019</b> , 13, 12912-12928	16.7	85
21	Spatial Isolation of Carbon and Silica in a Single Janus Mesoporous Nanoparticle with Tunable Amphiphilicity. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10009-10015	16.4	80
20	Near-infrared rechargeable "optical battery" implant for irradiation-free photodynamic therapy. <i>Biomaterials</i> , <b>2018</b> , 163, 154-162	15.6	62
19	Tumor microenvironment-activated self-recognizing nanodrug through directly tailored assembly of small-molecules for targeted synergistic chemotherapy. <i>Journal of Controlled Release</i> , <b>2020</b> , 321, 222-235	11.7	50
18	Small-Molecule Lanthanide Complexes Probe for Second Near-Infrared Window Bioimaging. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7946-7952	7.8	48
17	Surface-kinetics mediated mesoporous multipods for enhanced bacterial adhesion and inhibition. <i>Nature Communications</i> , <b>2019</b> , 10, 4387	17.4	40
16	Degradation-Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701652	24	39
15	Orthogonal Multiplexed Luminescence Encoding with Near-Infrared Rechargeable Upconverting Persistent Luminescence Composites. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700680	8.1	38
14	Engine-Trailer-Structured Nanotrucks for Efficient Nano-Bio Interactions and Bioimaging-Guided Drug Delivery. <i>CheM</i> , <b>2020</b> , 6, 1097-1112	16.2	33

13	Enzyme hybrid virus-like hollow mesoporous CuO adhesive hydrogel spray through glucose-activated cascade reaction to efficiently promote diabetic wound healing. <i>Chemical Engineering Journal</i> , <b>2021</b> , 415, 128901	14.7	25
12	Kinetics-mediate fabrication of multi-model bioimaging lanthanide nanoplates with controllable surface roughness for blood brain barrier transportation. <i>Biomaterials</i> , <b>2017</b> , 141, 223-232	15.6	24
11	Facile Peptides Functionalization of Lanthanide-Based Nanocrystals through Phosphorylation Tethering for Efficient in Vivo NIR-to-NIR Bioimaging. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1930-6	7.8	23
10	Near-Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2641-2645	3.6	22
9	Single Molecular Wells Dawson-Like Heterometallic Cluster for the In Situ Functionalization of Ordered Mesoporous Carbon: A T 1- and T 2-Weighted Dual-Mode Magnetic Resonance Imaging Agent and Drug Delivery System. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605313	15.6	16
8	Intracellular and in Vivo Cyanide Mapping via Surface Plasmon Spectroscopy of Single Au-Ag Nanoboxes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 2583-2591	7.8	16
7	One-pot synthesis of biodegradable polydopamine-doped mesoporous silica nanocomposites (PMSNs) as pH-sensitive targeting drug nanocarriers for synergistic chemo-photothermal therapy.. <i>RSC Advances</i> , <b>2018</b> , 8, 37433-37440	3.7	13
6	Au/Ag Nanobox-Based Near-Infrared Surface-Enhanced Raman Scattering for Hydrogen Sulfide Sensing.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 417-423	4.1	11
5	Macrophage-Mimic Hollow Mesoporous Fe-Based Nanocatalysts for Self-Amplified Chemodynamic Therapy and Metastasis Inhibition Tumor Microenvironment Remodeling.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	6
4	Virus-like mesoporous silica-coated plasmonic Ag nanocube with strong bacteria adhesion for diabetic wound ulcer healing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2021</b> , 34, 102381	6	6
3	Downshifting nanoprobe with follicle stimulating hormone peptide fabrication for highly efficient NIR II fluorescent bioimaging guided ovarian tumor surgery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 28, 102198	6	5
2	A Novel Yolk-Shell FeO@ Mesoporous Carbon Nanoparticle as an Effective Tumor-Targeting Nanocarrier for Improvement of Chemotherapy and Photothermal Therapy.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	1
1	Biodegradable polydopamine and tetrasulfide bond co-doped hollowed mesoporous silica nanospheres as GSH-triggered nanosystem for synergistic chemo-photothermal therapy of breast cancer. <i>Materials and Design</i> , <b>2022</b> , 215, 110467	8.1	1