Peiyuan Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7994773/publications.pdf

Version: 2024-02-01

31	3,165	304368	433756
papers	citations	22 h-index	31 g-index

32	32	32	4261
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lifetime-engineered NIR-II nanoparticles unlock multiplexed in vivo imaging. Nature Nanotechnology, 2018, 13, 941-946.	15.6	584
2	Nearâ€Infrared Upconversion Mesoporous Cerium Oxide Hollow Biophotocatalyst for Concurrent pHâ€/H₂O₂â€Responsive O₂â€Evolving Synergetic Cancer Therapy. Advanced Materials, 2018, 30, 1704833.	11.1	350
3	NIR-II nanoprobes in-vivo assembly to improve image-guided surgery for metastatic ovarian cancer. Nature Communications, 2018, 9, 2898.	5.8	343
4	Nearâ€Infraredâ€Triggered Azobenzeneâ€Liposome/Upconversion Nanoparticle Hybrid Vesicles for Remotely Controlled Drug Delivery to Overcome Cancer Multidrug Resistance. Advanced Materials, 2016, 28, 9341-9348.	11.1	279
5	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. ACS Central Science, 2017, 3, 839-846.	5.3	207
6	Supramolecularly Engineered NIRâ€II and Upconversion Nanoparticles In Vivo Assembly and Disassembly to Improve Bioimaging. Advanced Materials, 2018, 30, e1804982.	11.1	146
7	Orthogonal near-infrared upconversion co-regulated site-specific O 2 delivery and photodynamic therapy for hypoxia tumor by using red blood cell microcarriers. Biomaterials, 2017, 125, 90-100.	5.7	138
8	Spatial Isolation of Carbon and Silica in a Single Janus Mesoporous Nanoparticle with Tunable Amphiphilicity. Journal of the American Chemical Society, 2018, 140, 10009-10015.	6.6	120
9	Tumor Microenvironment Responsive Shape-Reversal Self-Targeting Virus-Inspired Nanodrug for Imaging-Guided Near-Infrared-II Photothermal Chemotherapy. ACS Nano, 2019, 13, 12912-12928.	7.3	118
10	Nearâ€Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. Angewandte Chemie - International Edition, 2018, 57, 2611-2615.	7.2	111
11	Near-infrared rechargeable â€œoptical batteryâ€•implant for irradiation-free photodynamic therapy. Biomaterials, 2018, 163, 154-162.	5.7	83
12	Tumor microenvironment-activated self-recognizing nanodrug through directly tailored assembly of small-molecules for targeted synergistic chemotherapy. Journal of Controlled Release, 2020, 321, 222-235.	4.8	72
13	Surface-kinetics mediated mesoporous multipods for enhanced bacterial adhesion and inhibition. Nature Communications, 2019, 10, 4387.	5.8	65
14	Small-Molecule Lanthanide Complexes Probe for Second Near-Infrared Window Bioimaging. Analytical Chemistry, 2018, 90, 7946-7952.	3.2	61
15	Engine-Trailer-Structured Nanotrucks for Efficient Nano-Bio Interactions and Bioimaging-Guided Drug Delivery. CheM, 2020, 6, 1097-1112.	5.8	55
16	Degradationâ€Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. Advanced Materials, 2017, 29, 1701652.	11.1	53
17	Enzyme hybrid virus-like hollow mesoporous CuO adhesive hydrogel spray through glucose-activated cascade reaction to efficiently promote diabetic wound healing. Chemical Engineering Journal, 2021, 415, 128901.	6.6	53
18	Orthogonal Multiplexed Luminescence Encoding with Nearâ€Infrared Rechargeable Upconverting Persistent Luminescence Composites. Advanced Optical Materials, 2017, 5, 1700680.	3.6	52

#	Article	IF	Citations
19	Kinetics-mediate fabrication of multi-model bioimaging lanthanide nanoplates with controllable surface roughness for blood brain barrier transportation. Biomaterials, 2017, 141, 223-232.	5.7	32
20	Facile Peptides Functionalization of Lanthanide-Based Nanocrystals through Phosphorylation Tethering for Efficient in Vivo NIR-to-NIR Bioimaging. Analytical Chemistry, 2016, 88, 1930-1936.	3.2	27
21	Nearâ€Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. Angewandte Chemie, 2018, 130, 2641-2645.	1.6	27
22	Tumor Microenvironment-Responsive Yolkâ€“Shell NaCl@Virus-Inspired Tetrasulfide-Organosilica for Ion-Interference Therapy via Osmolarity Surge and Oxidative Stress Amplification. ACS Nano, 2022, 16, 7380-7397.	7.3	25
23	Macrophage-Mimic Hollow Mesoporous Fe-Based Nanocatalysts for Self-Amplified Chemodynamic Therapy and Metastasis Inhibition via Tumor Microenvironment Remodeling. ACS Applied Materials & Interfaces, 2022, 14, 5053-5065.	4.0	24
24	Virus-like mesoporous silica-coated plasmonic Ag nanocube with strong bacteria adhesion for diabetic wound ulcer healing. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 34, 102381.	1.7	22
25	Intracellular and in Vivo Cyanide Mapping via Surface Plasmon Spectroscopy of Single Auâ€“Ag Nanoboxes. Analytical Chemistry, 2017, 89, 2583-2591.	3.2	20
26	Au/Ag Nanobox-Based Near-Infrared Surface-Enhanced Raman Scattering for Hydrogen Sulfide Sensing. ACS Applied Bio Materials, 2019, 2, 417-423.	2.3	20
27	Single Molecular Wellsâ€“Dawsonâ€Like Heterometallic Cluster for the In Situ Functionalization of Ordered Mesoporous Carbon: A T₁â€and T₂â€Weighted Dualâ€Mode Magnetic Resonance Imaging Agent and Drug Delivery System. Advanced Functional Materials, 2017, 27, 1605313.	7.8	19
28	One-pot synthesis of biodegradable polydopamine-doped mesoporous silica nanocomposites (PMSNs) as pH-sensitive targeting drug nanocarriers for synergistic chemo-photothermal therapy. RSC Advances, 2018, 8, 37433-37440.	1.7	18
29	Biodegradable polydopamine and tetrasulfide bond co-doped hollowed mesoporous silica nanospheres as GSH-triggered nanosystem for synergistic chemo-photothermal therapy of breast cancer. Materials and Design, 2022, 215, 110467.	3.3	17
30	Downshifting nanoprobes with follicle stimulating hormone peptide fabrication for highly efficient NIR II fluorescent bioimaging guided ovarian tumor surgery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102198.	1.7	13
31	A Novel Yolkâ€“Shell Fe3O4@ Mesoporous Carbon Nanoparticle as an Effective Tumor-Targeting Nanocarrier for Improvement of Chemotherapy and Photothermal Therapy. International Journal of Molecular Sciences, 2022, 23, 1623.	1.8	11