

Xuewu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,462
citations

430874

18
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

4440
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous silicon particles as a multistage delivery system for imaging and therapeutic applications. <i>Nature Nanotechnology</i> , 2008, 3, 151-157.	31.5	637
2	Ciliated micropillars for the microfluidic-based isolation of nanoscale lipid vesicles. <i>Lab on A Chip</i> , 2013, 13, 2879.	6.0	299
3	An injectable nanoparticle generator enhances delivery of cancer therapeutics. <i>Nature Biotechnology</i> , 2016, 34, 414-418.	17.5	248
4	Biodegradable Porous Silicon Barcode Nanowires with Defined Geometry. <i>Advanced Functional Materials</i> , 2010, 20, 2231-2239.	14.9	204
5	Rapid tumortropic accumulation of systemically injected plateloid particles and their biodistribution. <i>Journal of Controlled Release</i> , 2012, 158, 148-155.	9.9	177
6	Discoidal Porous Silicon Particles: Fabrication and Biodistribution in Breast Cancer Bearing Mice. <i>Advanced Functional Materials</i> , 2012, 22, 4225-4235.	14.9	170
7	The preferential targeting of the diseased microvasculature by disk-like particles. <i>Biomaterials</i> , 2012, 33, 5504-5513.	11.4	140
8	High Capacity Nanoporous Silicon Carrier for Systemic Delivery of Gene Silencing Therapeutics. <i>ACS Nano</i> , 2013, 7, 9867-9880.	14.6	110
9	Mesoporous Silicon-PLGA Composite Microspheres for the Double Controlled Release of Biomolecules for Orthopedic Tissue Engineering. <i>Advanced Functional Materials</i> , 2012, 22, 282-293.	14.9	86
10	Production and transplantation of bioengineered lung into a large-animal model. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	85
11	Near-Infrared Imaging Method for the In Vivo Assessment of the Biodistribution of Nanoporous Silicon Particles. <i>Molecular Imaging</i> , 2011, 10, 7290.2011.00011.	1.4	50
12	Hierarchically Structured Magnetic Nanoconstructs with Enhanced Relaxivity and Cooperative Tumor Accumulation. <i>Advanced Functional Materials</i> , 2014, 24, 4584-4594.	14.9	50
13	Silver-Nanoparticle-Embedded Porous Silicon Disks Enabled SERS Signal Amplification for Selective Glutathione Detection. <i>ACS Applied Nano Materials</i> , 2018, 1, 410-417.	5.0	39
14	Geometrical confinement of Gd(DOTA) molecules within mesoporous silicon nanoconstructs for MR imaging of cancer. <i>Cancer Letters</i> , 2014, 352, 97-101.	7.2	31
15	In Situ Reductive Synthesis of Structural Supported Gold Nanorods in Porous Silicon Particles for Multifunctional Nanovectors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11881-11891.	8.0	21
16	Microfluidic device for the analysis of MDR cancerous cell-derived exosomes' response to nanotherapy. <i>Biomedical Microdevices</i> , 2019, 21, 35.	2.8	21
17	Bacteriophage associated silicon particles: design and characterization of a novel theranostic vector with improved payload carrying potential. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5218.	5.8	20
18	Microfluidic interactions between red blood cells and drug carriers by image analysis techniques. <i>Medical Engineering and Physics</i> , 2016, 38, 17-23.	1.7	20

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19	Sequential deconstruction of composite drug transport in metastatic breast cancer. <i>Science Advances</i> , 2020, 6, eaba4498.	10.3	17
20	Nanopore film based enrichment and quantification of low abundance hepcidin from human bodily fluids. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, e879-e888.	3.3	16
21	Novel Multistage Nanoparticle Drug Delivery to Ablate Leukemia Stem Cells in Their Niche.. <i>Blood</i> , 2012, 120, 2631-2631.	1.4	7
22	Drug Delivery: Discoidal Porous Silicon Particles: Fabrication and Biodistribution in Breast Cancer Bearing Mice (Adv. Funct. Mater. 20/2012). <i>Advanced Functional Materials</i> , 2012, 22, 4186-4186.	14.9	6
23	Cancer Therapy: Cooperative, Nanoparticle-Enabled Thermal Therapy of Breast Cancer (Adv. Healthcare) <i>Tj ETQq1_10.784314 rgBT</i>	7.6	0
24	Platforms to test the temporospatial capabilities of carrier systems in delivering growth factors to benefit vascular bioengineering. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102419.	3.3	1
25	Site-Specific Drug Delivery: E-Selectin-Targeted Porous Silicon Particle for Nanoparticle Delivery to the Bone Marrow (Adv. Mater. 36/2011). <i>Advanced Materials</i> , 2011, 23, H284-H284.	21.0	0
26	Mesoporous Silicon: Short and Long Term, In Vitro and In Vivo Correlations of Cellular and Tissue Responses to Mesoporous Silicon Nanovectors (Small 9-10/2013). <i>Small</i> , 2013, 9, 1721-1721.	10.0	0
27	Magnetic Nanoparticles: Hierarchically Structured Magnetic Nanoconstructs with Enhanced Relaxivity and Cooperative Tumor Accumulation (Adv. Funct. Mater. 29/2014). <i>Advanced Functional Materials</i> , 2014, 24, 4562-4562.	14.9	0