

Min Xue

List of Publications by Year in descending order

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42
papers

5,307
citations

218381

26
h-index

288905

40
g-index

44
all docs

44
docs citations

44
times ranked

9452
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous Silica Nanoparticle Nanocarriers: Biofunctionality and Biocompatibility. <i>Accounts of Chemical Research</i> , 2013, 46, 792-801.	7.6	801
2	Development of Pseudorotaxanes and Rotaxanes: From Synthesis to Stimuli-Responsive Motions to Applications. <i>Chemical Reviews</i> , 2015, 115, 7398-7501.	23.0	719
3	Autonomous in Vitro Anticancer Drug Release from Mesoporous Silica Nanoparticles by pH-Sensitive Nanovalves. <i>Journal of the American Chemical Society</i> , 2010, 132, 12690-12697.	6.6	550
4	Codelivery of an Optimal Drug/siRNA Combination Using Mesoporous Silica Nanoparticles To Overcome Drug Resistance in Breast Cancer <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2013, 7, 994-1005.	7.3	525
5	Use of Size and a Copolymer Design Feature To Improve the Biodistribution and the Enhanced Permeability and Retention Effect of Doxorubicin-Loaded Mesoporous Silica Nanoparticles in a Murine Xenograft Tumor Model. <i>ACS Nano</i> , 2011, 5, 4131-4144.	7.3	446
6	Processing Pathway Dependence of Amorphous Silica Nanoparticle Toxicity: Colloidal vs Pyrolytic. <i>Journal of the American Chemical Society</i> , 2012, 134, 15790-15804.	6.6	372
7	Targeted Intracellular Delivery of Antituberculosis Drugs to Mycobacterium tuberculosis-Infected Macrophages via Functionalized Mesoporous Silica Nanoparticles. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2535-2545.	1.4	219
8	Single-cell analysis resolves the cell state transition and signaling dynamics associated with melanoma drug-induced resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13679-13684.	3.3	196
9	Two-Wave Nanotherapy To Target the Stroma and Optimize Gemcitabine Delivery To a Human Pancreatic Cancer Model in Mice. <i>ACS Nano</i> , 2013, 7, 10048-10065.	7.3	163
10	pH-Operated Mechanized Porous Silicon Nanoparticles. <i>Journal of the American Chemical Society</i> , 2011, 133, 8798-8801.	6.6	146
11	Single-Cell Phosphoproteomics Resolves Adaptive Signaling Dynamics and Informs Targeted Combination Therapy in Glioblastoma. <i>Cancer Cell</i> , 2016, 29, 563-573.	7.7	140
12	The direct synthesis of mesoporous structured MnO ₂ /TiO ₂ nanocomposite: a novel visible-light active photocatalyst with large pore size. <i>Nanotechnology</i> , 2008, 19, 185604.	1.3	104
13	Integration of molecular and enzymatic catalysts on graphene for biomimetic generation of antithrombotic species. <i>Nature Communications</i> , 2014, 5, 3200.	5.8	90
14	Chemical Methods for the Simultaneous Quantitation of Metabolites and Proteins from Single Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 4066-4069.	6.6	87
15	Surface functionalized mesoporous silica nanoparticles as an effective carrier for epirubicin delivery to cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 89, 248-258.	2.0	87
16	Differential Expression of Syndecan-1 Mediates Cationic Nanoparticle Toxicity in Undifferentiated versus Differentiated Normal Human Bronchial Epithelial Cells. <i>ACS Nano</i> , 2011, 5, 2756-2769.	7.3	86
17	Multi-omic single-cell snapshots reveal multiple independent trajectories to drug tolerance in a melanoma cell line. <i>Nature Communications</i> , 2020, 11, 2345.	5.8	74
18	pH-Responsive Dual Cargo Delivery from Mesoporous Silica Nanoparticles with a Metal-Latched Nanogate. <i>Inorganic Chemistry</i> , 2013, 52, 2044-2049.	1.9	67

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19	Microfluidics-Based Single-Cell Functional Proteomics for Fundamental and Applied Biomedical Applications. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 275-295.	2.8	65
20	Functioning of nanovalves on polymer coated mesoporous silica Nanoparticles. <i>Nanoscale</i> , 2013, 5, 10300.	2.8	42
21	Sugar and pH dual-responsive mesoporous silica nanocontainers based on competitive binding mechanisms. <i>Nanoscale</i> , 2015, 7, 1067-1072.	2.8	41
22	An Enzymatic Chemical Amplifier Based on Mechanized Nanoparticles. <i>Journal of the American Chemical Society</i> , 2013, 135, 17659-17662.	6.6	37
23	Liquid biopsy-based single-cell metabolic phenotyping of lung cancer patients for informative diagnostics. <i>Nature Communications</i> , 2019, 10, 3856.	5.8	37
24	Supramolecular Probes for Assessing Glutamine Uptake Enable Semi-Quantitative Metabolic Models in Single Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 3085-3093.	6.6	33
25	Aerosol droplet delivery of mesoporous silica nanoparticles: A strategy for respiratory-based therapeutics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1377-1385.	1.7	30
26	Size-selective pH-operated megagates on mesoporous silica materials. <i>Nanoscale</i> , 2012, 4, 7569.	2.8	29
27	Probing the Microenvironment in the Confined Pores of Mesoporous Silica Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 839-842.	2.1	23
28	Inhibiting Matrix Metalloproteinase-2 Activation by Perturbing Protein-Protein Interactions Using a Cyclic Peptide. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6979-6990.	2.9	16
29	Surface Immobilization of Redox-Labile Fluorescent Probes: Enabling Single-Cell Co-Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11554-11558.	7.2	13
30	Development of Pharmaceutically Adapted Mesoporous Silica Nanoparticles Platform. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 358-359.	2.1	10
31	A Chemical Approach for Profiling Intracellular AKT Signaling Dynamics from Single Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 13586-13589.	6.6	10
32	Sensing of citrulline modifications in histone peptides by deep cavitand hosts. <i>Chemical Communications</i> , 2019, 55, 13259-13262.	2.2	8
33	Fluorescence imaging-based methods for single-cell protein analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4339-4347.	1.9	7
34	Monitoring the crosstalk between methylation and phosphorylation on histone peptides with host-assisted capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6189-6198.	1.9	7
35	Single-Cell Profiling of Fatty Acid Uptake Using Surface-Immobilized Dendrimers. <i>Journal of the American Chemical Society</i> , 2021, 143, 11191-11198.	6.6	5
36	Single-cell profiling of D-2-hydroxyglutarate using surface-immobilized resazurin analogs. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113368.	5.3	5

#	ARTICLE	IF	CITATIONS
37	A cyclic peptide antenna ligand for enhancing terbium luminescence. <i>Analyst, The</i> , 2021, 146, 3474-3481.	1.7	4
38	Digitonin-facilitated delivery of imaging probes enables single-cell analysis of AKT signalling activities in suspension cells. <i>Analyst, The</i> , 2021, 146, 5307-5315.	1.7	2
39	Synthesis of Mn and Se-Doping TiO ₂ Mesoporous Materials and their Antibacterial Efficacy under Visible Light Irradiation. <i>Advanced Materials Research</i> , 2011, 287-290, 1852-1855.	0.3	1
40	Supramolecular Analytical Chemistry in Cancer Research. <i>Advances in Cancer Research</i> , 2018, 139, 147-161.	1.9	1
41	Surface Immobilization of Redox-Labelable Fluorescent Probes: Enabling Single-Cell Co-Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie</i> , 2018, 130, 11728-11732.	1.6	0
42	Real-Time Analysis of AKT Signaling Activities at Single-Cell Resolution Using Cyclic Peptide-Based Probes. <i>Methods in Molecular Biology</i> , 2022, 2394, 65-80.	0.4	0