Yu-Shen Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12146295/publications.pdf

Version: 2024-02-01

31 papers	6,711 citations	218677 26 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	10955 citing authors

#	Article	IF	Citations
1	Cytotoxicity of Graphene Oxide and Graphene in Human Erythrocytes and Skin Fibroblasts. ACS Applied Materials & Interfaces, 2011, 3, 2607-2615.	8.0	1,206
2	Impacts of Mesoporous Silica Nanoparticle Size, Pore Ordering, and Pore Integrity on Hemolytic Activity. Journal of the American Chemical Society, 2010, 132, 4834-4842.	13.7	720
3	The effect of surface charge on the uptake and biological function of mesoporous silica nanoparticles in 3T3-L1 cells and human mesenchymal stem cells. Biomaterials, 2007, 28, 2959-2966.	11.4	561
4	Bifunctional Magnetic Silica Nanoparticles for Highly Efficient Human Stem Cell Labeling. Nano Letters, 2007, 7, 149-154.	9.1	486
5	Well-Ordered Mesoporous Silica Nanoparticles as Cell Markers. Chemistry of Materials, 2005, 17, 4570-4573.	6.7	418
6	Synthesis and Characterization of Biocompatible and Size-Tunable Multifunctional Porous Silica Nanoparticles. Chemistry of Materials, 2009, 21, 3979-3986.	6.7	345
7	Multifunctional Composite Nanoparticles:Â Magnetic, Luminescent, and Mesoporous. Chemistry of Materials, 2006, 18, 5170-5172.	6.7	321
8	Assessing Nanoparticle Toxicity. Annual Review of Analytical Chemistry, 2012, 5, 181-205.	5.4	309
9	Multifunctional Mesoporous Silica Nanoparticles for Intracellular Labeling and Animal Magnetic Resonance Imaging Studies. ChemBioChem, 2008, 9, 53-57.	2.6	200
10	In vitro Studies of Functionalized Mesoporous Silica Nanoparticles for Photodynamic Therapy. Advanced Materials, 2009, 21, 172-177.	21.0	196
11	Establishing the effects of mesoporous silica nanoparticle properties on in vivo disposition using imaging-based pharmacokinetics. Nature Communications, 2018, 9, 4551.	12.8	189
12	Mesoporous Silica Nanoparticle-Supported Lipid Bilayers (Protocells) for Active Targeting and Delivery to Individual Leukemia Cells. ACS Nano, 2016, 10, 8325-8345.	14.6	180
13	Critical Considerations in the Biomedical Use of Mesoporous Silica Nanoparticles. Journal of Physical Chemistry Letters, 2012, 3, 364-374.	4.6	177
14	Catalytic nano-rattle of Au@hollow silica: towards a poison-resistant nanocatalyst. Journal of Materials Chemistry, 2011, 21, 789-794.	6.7	175
15	Synthesis of hollow silica nanospheres with a microemulsion as the template. Chemical Communications, 2009, , 3542.	4.1	156
16	Functional Assessment of Metal Oxide Nanoparticle Toxicity in Immune Cells. ACS Nano, 2010, 4, 3363-3373.	14.6	155
17	Stability of small mesoporous silicananoparticles in biological media. Chemical Communications, 2011, 47, 532-534.	4.1	155
18	Gadolinium(III)-Incorporated Nanosized Mesoporous Silica as Potential Magnetic Resonance Imaging Contrast Agents. Journal of Physical Chemistry B, 2004, 108, 15608-15611.	2.6	137

#	Article	IF	Citations
19	Ultrastable, Redispersible, Small, and Highly Organomodified Mesoporous Silica Nanotherapeutics. Journal of the American Chemical Society, 2011, 133, 20444-20457.	13.7	135
20	Mesoporous Silica Nanoparticles Improve Magnetic Labeling Efficiency in Human Stem Cells. Small, 2008, 4, 619-626.	10.0	128
21	Re-examining the Size/Charge Paradigm: Differing in Vivo Characteristics of Size- and Charge-Matched Mesoporous Silica Nanoparticles. Journal of the American Chemical Society, 2013, 135, 16030-16033.	13.7	77
22	On-Chip Evaluation of Shear Stress Effect on Cytotoxicity of Mesoporous Silica Nanoparticles. Analytical Chemistry, 2011, 83, 8377-8382.	6.5	75
23	Understanding the Connection between Nanoparticle Uptake and Cancer Treatment Efficacy using Mathematical Modeling. Scientific Reports, 2018, 8, 7538.	3.3	49
24	Cellâ€Templated Silica Microparticles with Supported Lipid Bilayers as Artificial Antigenâ€Presenting Cells for T Cell Activation. Advanced Healthcare Materials, 2019, 8, e1801188.	7.6	38
25	Effects of Mesoporous Silica Coating and Postsynthetic Treatment on the Transverse Relaxivity of Iron Oxide Nanoparticles. Chemistry of Materials, 2013, 25, 1968-1978.	6.7	35
26	Synthetic fossilization of soft biological tissues and their shape-preserving transformation into silica or electron-conductive replicas. Nature Communications, 2014, 5, 5665.	12.8	27
27	High payload Gd(<scp>iii</scp>) encapsulated in hollow silica nanospheres for high resolution magnetic resonance imaging. Journal of Materials Chemistry B, 2013, 1, 639-645.	5.8	26
28	Uniform Mesoporous Silica Hexagon and Its Twoâ€Dimensional Colloidal Crystal. ChemPhysChem, 2009, 10, 2628-2632.	2.1	14
29	Porous Ice Phases with VI and Distorted VII Structures Constrained in Nanoporous Silica. Nano Letters, 2014, 14, 6554-6558.	9.1	11
30	The bench scientistâ€™s perspective on the unique considerations in nanoparticle regulation. Journal of Nanoparticle Research, 2011, 13, 1389-1400.	1.9	6
31	Multifunctional mesoporous silica nanoparticles as dual-mode imaging probes. Studies in Surface Science and Catalysis, 2007, , 1804-1810.	1.5	4