

Enrica De Rosa

List of Publications by Year in descending order

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33
papers

2,354
citations

279701

23
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414303

32
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36
all docs

36
docs citations

36
times ranked

3976
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable silicon nanoneedles delivering nucleic acids intracellularly induce localized inÂvivoÂneovascularization. Nature Materials, 2015, 14, 532-539.	13.3	371
2	Biomimetic proteolipid vesicles for targeting inflamed tissues. Nature Materials, 2016, 15, 1037-1046.	13.3	327
3	Enabling individualized therapy through nanotechnology. Pharmacological Research, 2010, 62, 57-89.	3.1	188
4	Biodegradable Nanoneedles for Localized Delivery of Nanoparticles <i>in Vivo</i>: Exploring the Biointerface. ACS Nano, 2015, 9, 5500-5509.	7.3	171
5	Soft Discoidal Polymeric Nanoconstructs Resist Macrophage Uptake and Enhance Vascular Targeting in Tumors. ACS Nano, 2015, 9, 11628-11641.	7.3	148
6	Unveiling the <i>in Vivo</i> Protein Corona of Circulating Leukocyte-like Carriers. ACS Nano, 2017, 11, 3262-3273.	7.3	124
7	Biomimetic carriers mimicking leukocyte plasma membrane to increase tumor vasculature permeability. Scientific Reports, 2016, 6, 34422.	1.6	92
8	Biomimetic nanoparticles with enhanced affinity towards activated endothelium as versatile tools for theranostic drug delivery. Theranostics, 2018, 8, 1131-1145.	4.6	89
9	Mesoporous Silicon&PLGA Composite Microspheres for the Double Controlled Release of Biomolecules for Orthopedic Tissue Engineering. Advanced Functional Materials, 2012, 22, 282-293.	7.8	86
10	A robust nanofluidic membrane with tunable zero-order release for implantable dose specific drug delivery. Lab on A Chip, 2010, 10, 3074.	3.1	77
11	Leveraging nanochannels for universal, zero-order drug delivery in vivo. Journal of Controlled Release, 2013, 172, 1011-1019.	4.8	75
12	TPA Immobilization on Iron Oxide Nanocubes and Localized Magnetic Hyperthermia Accelerate Blood Clot Lysis. Advanced Functional Materials, 2015, 25, 1709-1718.	7.8	61
13	Leukocyte-mimicking nanovesicles for effective doxorubicin delivery to treat breast cancer and melanoma. Biomaterials Science, 2020, 8, 333-341.	2.6	59
14	Engineered biomimetic nanovesicles show intrinsic anti-inflammatory properties for the treatment of inflammatory bowel diseases. Nanoscale, 2017, 9, 14581-14591.	2.8	57
15	Enhancing Inflammation Targeting Using Tunable Leukocyte-Based Biomimetic Nanoparticles. ACS Nano, 2021, 15, 6326-6339.	7.3	49
16	Tutorial: using nanoneedles for intracellular delivery. Nature Protocols, 2021, 16, 4539-4563.	5.5	47
17	PLGA-Mesoporous Silicon Microspheres for the <i>in Vivo</i> Controlled Temporospacial Delivery of Proteins. ACS Applied Materials & Interfaces, 2015, 7, 16364-16373.	4.0	46
18	Effects of fibronectin and laminin on structural, mechanical and transport properties of 3D collageneous network. Journal of Materials Science: Materials in Medicine, 2007, 18, 245-253.	1.7	39

#	ARTICLE	IF	CITATIONS
19	Multi-Composite Bioactive Osteogenic Sponges Featuring Mesenchymal Stem Cells, Platelet-Rich Plasma, Nanoporous Silicon Enclosures, and Peptide Amphiphiles for Rapid Bone Regeneration. <i>Journal of Functional Biomaterials</i> , 2011, 2, 39-66.	1.8	36
20	Agarose Surface Coating Influences Intracellular Accumulation and Enhances Payload Stability of a Nano-delivery System. <i>Pharmaceutical Research</i> , 2011, 28, 1520-1530.	1.7	32
21	Biomimetic Nanoparticles as a Theranostic Tool for Traumatic Brain Injury. <i>Advanced Functional Materials</i> , 2021, 31, 2100722.	7.8	31
22	Enhancing Vascularization through the Controlled Release of Platelet-Derived Growth Factor-BB. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14566-14575.	4.0	30
23	Time and Space Evolution of Transport Properties in Agarose-“Chondrocyte Constructs. <i>Tissue Engineering</i> , 2006, 12, 2193-2201.	4.9	26
24	Phosphoprotein-based biomarkers as predictors for cancer therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18401-18411.	3.3	25
25	Liposome-Embedding Silicon Microparticle for Oxaliplatin Delivery in Tumor Chemotherapy. <i>Pharmaceutics</i> , 2020, 12, 559.	2.0	23
26	Analysis of a nanochanneled membrane structure through convective gas flow. <i>Journal of Micromechanics and Microengineering</i> , 2009, 19, 115018.	1.5	19
27	Transport of large molecules in hyaluronic acid-based membranes and solution. <i>Journal of Membrane Science</i> , 2006, 273, 84-88.	4.1	10
28	Porous Silicon Nanoneedles By Metal Assisted Chemical Etch for Intracellular Sensing and Delivery. <i>ECS Transactions</i> , 2015, 69, 63-68.	0.3	5
29	LDL-Based Lipid Nanoparticle Derived for Blood Plasma Accumulates Preferentially in Atherosclerotic Plaque. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 794676.	2.0	3
30	Abstract 311: Ponatinib loaded leukocyte-based nanoparticles for osteosarcoma treatment in sarcosphere tumor model. <i>Cancer Research</i> , 2021, 81, 311-311.	0.4	1
31	Polymer Coatings. , 2015, , 1-8.		0
32	Abstract 3910: Biomimetic proteo-lipid vesicles for the treatment of melanoma. , 2016, , .		0
33	Abstract B04: From modeling to in vivo tracking: a new platform for the design of delivery vectors that exploit tumor microfluidics. , 2017, , .		0