Enrica De Rosa

List of Publications by Year
in descending order

33 papers	2,354 citations	279701 23 h-index	414303 32 g-index
36 all docs	36 docs citations	36 times ranked	3976 citing authors

#	Article	IF	Citations
1	Enhancing Inflammation Targeting Using Tunable Leukocyte-Based Biomimetic Nanoparticles. ACS Nano, 2021, 15, 6326-6339.	7.3	49
2	Biomimetic Nanoparticles as a Theranostic Tool for Traumatic Brain Injury. Advanced Functional Materials, 2021, 31, 2100722.	7.8	31
3	Abstract 311: Ponatinib loaded leukocyte-based nanoparticles for osteosarcoma treatment in sarcosphere tumor model. Cancer Research, 2021, 81, 311-311.	0.4	1
4	Tutorial: using nanoneedles for intracellular delivery. Nature Protocols, 2021, 16, 4539-4563.	5.5	47
5	LDL-Based Lipid Nanoparticle Derived for Blood Plasma Accumulates Preferentially in Atherosclerotic Plaque. Frontiers in Bioengineering and Biotechnology, 2021, 9, 794676.	2.0	3
6	Leukocyte-mimicking nanovesicles for effective doxorubicin delivery to treat breast cancer and melanoma. Biomaterials Science, 2020, 8, 333-341.	2.6	59
7	Phosphoprotein-based biomarkers as predictors for cancer therapy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18401-18411.	3.3	25
8	Liposome-Embedding Silicon Microparticle for Oxaliplatin Delivery in Tumor Chemotherapy. Pharmaceutics, 2020, 12, 559.	2.0	23
9	Biomimetic nanoparticles with enhanced affinity towards activated endothelium as versatile tools for theranostic drug delivery. Theranostics, 2018, 8, 1131-1145.	4.6	89
10	Unveiling the in Vivo Protein Corona of Circulating Leukocyte-like Carriers. ACS Nano, 2017, 11, 3262-3273.	7.3	124
11	Enhancing Vascularization through the Controlled Release of Platelet-Derived Growth Factor-BB. ACS Applied Materials & Interfaces, 2017, 9, 14566-14575.	4.0	30
12	Engineered biomimetic nanovesicles show intrinsic anti-inflammatory properties for the treatment of inflammatory bowel diseases. Nanoscale, 2017, 9, 14581-14591.	2.8	57
13	Abstract B04: From modeling to in vivo tracking: a new platform for the design of delivery vectors that exploit tumor microfluidics. , 2017, , .		0
14	Biomimetic proteolipid vesicles for targeting inflamed tissues. Nature Materials, 2016, 15, 1037-1046.	13.3	327
15	Biomimetic carriers mimicking leukocyte plasma membrane to increase tumor vasculature permeability. Scientific Reports, 2016, 6, 34422.	1.6	92
16	Abstract 3910: Biomimetic proteo-lipid vesicles for the treatment of melanoma. , 2016, , .		0
17	TPA Immobilization on Iron Oxide Nanocubes and Localized Magnetic Hyperthermia Accelerate Blood Clot Lysis. Advanced Functional Materials, 2015, 25, 1709-1718.	7.8	61
18	PLGA-Mesoporous Silicon Microspheres for the in Vivo Controlled Temporospatial Delivery of Proteins. ACS Applied Materials & Interfaces, 2015, 7, 16364-16373.	4.0	46

#	Article	IF	Citations
19	Biodegradable silicon nanoneedles delivering nucleic acids intracellularly induce localized inÂvivoÂneovascularization. Nature Materials, 2015, 14, 532-539.	13.3	371
20	Biodegradable Nanoneedles for Localized Delivery of Nanoparticles in Vivo: Exploring the Biointerface. ACS Nano, 2015, 9, 5500-5509.	7.3	171
21	Porous Silicon Nanoneedles By Metal Assisted Chemical Etch for Intracellular Sensing and Delivery. ECS Transactions, 2015, 69, 63-68.	0.3	5
22	Soft Discoidal Polymeric Nanoconstructs Resist Macrophage Uptake and Enhance Vascular Targeting in Tumors. ACS Nano, 2015, 9, 11628-11641.	7.3	148
23	Polymer Coatings. , 2015, , 1-8.		0
24	Leveraging nanochannels for universal, zero-order drug delivery in vivo. Journal of Controlled Release, 2013, 172, 1011-1019.	4.8	75
25	Mesoporous Siliconâ€PLGA Composite Microspheres for the Double Controlled Release of Biomolecules for Orthopedic Tissue Engineering. Advanced Functional Materials, 2012, 22, 282-293.	7.8	86
26	Multi-Composite Bioactive Osteogenic Sponges Featuring Mesenchymal Stem Cells, Platelet-Rich Plasma, Nanoporous Silicon Enclosures, and Peptide Amphiphiles for Rapid Bone Regeneration. Journal of Functional Biomaterials, 2011, 2, 39-66.	1.8	36
27	Agarose Surface Coating Influences Intracellular Accumulation and Enhances Payload Stability of a Nano-delivery System. Pharmaceutical Research, 2011, 28, 1520-1530.	1.7	32
28	Enabling individualized therapy through nanotechnology. Pharmacological Research, 2010, 62, 57-89.	3.1	188
29	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
30	Analysis of a nanochanneled membrane structure through convective gas flow. Journal of Micromechanics and Microengineering, 2009, 19, 115018.	1.5	19
31	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
32	Transport of large molecules in hyaluronic acid-based membranes and solution. Journal of Membrane Science, 2006, 273, 84-88.	4.1	10
33	Time and Space Evolution of Transport Properties in Agaroseâ€“Chondrocyte Constructs. Tissue Engineering, 2006, 12, 2193-2201.	4.9	26