

Jonathan O Martinez

List of Publications by Year in descending order

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35
papers

2,837
citations

236925

25
h-index

361022

35
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37
all docs

37
docs citations

37
times ranked

4528
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic nanoparticles functionalized with biomimetic leukocyte membranes possess cell-like functions. <i>Nature Nanotechnology</i> , 2013, 8, 61-68.	31.5	925
2	Bio-inspired engineering of cell- and virus-like nanoparticles for drug delivery. <i>Biomaterials</i> , 2017, 147, 155-168.	11.4	199
3	Enabling individualized therapy through nanotechnology. <i>Pharmacological Research</i> , 2010, 62, 57-89.	7.1	188
4	Biodegradable Nanoneedles for Localized Delivery of Nanoparticles <i>in Vivo</i> : Exploring the Biointerface. <i>ACS Nano</i> , 2015, 9, 5500-5509.	14.6	171
5	Bromelain Surface Modification Increases the Diffusion of Silica Nanoparticles in the Tumor Extracellular Matrix. <i>ACS Nano</i> , 2014, 8, 9874-9883.	14.6	152
6	Rapamycin-Loaded Biomimetic Nanoparticles Reverse Vascular Inflammation. <i>Circulation Research</i> , 2020, 126, 25-37.	4.5	106
7	Design and Development of Biomimetic Nanovesicles Using a Microfluidic Approach. <i>Advanced Materials</i> , 2018, 30, e1702749.	21.0	100
8	Biomimetic nanoparticles with enhanced affinity towards activated endothelium as versatile tools for theranostic drug delivery. <i>Theranostics</i> , 2018, 8, 1131-1145.	10.0	89
9	Hyaluronic acid coatings as a simple and efficient approach to improve MSC homing toward the site of inflammation. <i>Scientific Reports</i> , 2017, 7, 7991.	3.3	64
10	Engineering multi-stage nanovectors for controlled degradation and tunable release kinetics. <i>Biomaterials</i> , 2013, 34, 8469-8477.	11.4	62
11	Leukocyte-mimicking nanovesicles for effective doxorubicin delivery to treat breast cancer and melanoma. <i>Biomaterials Science</i> , 2020, 8, 333-341.	5.4	59
12	Chlorin e6 Functionalized Theranostic Multistage Nanovectors Transported by Stem Cells for Effective Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23441-23449.	8.0	51
13	Macrophage-derived nanovesicles exert intrinsic anti-inflammatory properties and prolong survival in sepsis through a direct interaction with macrophages. <i>Nanoscale</i> , 2019, 11, 13576-13586.	5.6	51
14	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
15	Cell source determines the immunological impact of biomimetic nanoparticles. <i>Biomaterials</i> , 2016, 82, 168-177.	11.4	50
16	Multifunctional to multistage delivery systems: The evolution of nanoparticles for biomedical applications. <i>Science Bulletin</i> , 2012, 57, 3961-3971.	1.7	45
17	Short and Long Term, In Vitro and In Vivo Correlations of Cellular and Tissue Responses to Mesoporous Silicon Nanovectors. <i>Small</i> , 2013, 9, 1722-1733.	10.0	43
18	Multiscale Patterning of a Biomimetic Scaffold Integrated with Composite Microspheres. <i>Small</i> , 2014, 10, 3943-3953.	10.0	41

#	ARTICLE	IF	CITATIONS
19	Multistage vector delivery of sulindac and silymarin for prevention of colon cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 694-703.	5.0	39
20	Lysyl oxidase engineered lipid nanovesicles for the treatment of triple negative breast cancer. <i>Scientific Reports</i> , 2021, 11, 5107.	3.3	37
21	The Emerging Role of Nanotechnology in Cell and Organ Transplantation. <i>Transplantation</i> , 2016, 100, 1629-1638.	1.0	33
22	Degradation and biocompatibility of multistage nanovectors in physiological systems. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3540-3549.	4.0	32
23	Near-infrared imaging method for the in vivo assessment of the biodistribution of nanoporous silicon particles. <i>Molecular Imaging</i> , 2011, 10, 56-68.	1.4	32
24	The effect of multistage nanovector targeting of VEGFR2 positive tumor endothelia on cell adhesion and local payload accumulation. <i>Biomaterials</i> , 2014, 35, 9824-9832.	11.4	29
25	Multistage Nanovectors Enhance the Delivery of Free and Encapsulated Drugs. <i>Current Drug Targets</i> , 2015, 16, 1582-1590.	2.1	28
26	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.	7.1	25
27	Physicochemical properties affect the synthesis, controlled delivery, degradation and pharmacokinetics of inorganic nanoporous materials. <i>Nanomedicine</i> , 2015, 10, 3057-3075.	3.3	24
28	Biomimetic Concealing of PLGA Microspheres in a 3D Scaffold to Prevent Macrophage Uptake. <i>Small</i> , 2016, 12, 1479-1488.	10.0	23
29	Evaluation of Cell Function Upon Nanovector Internalization. <i>Small</i> , 2013, 9, 1696-1702.	10.0	17
30	Bioinspired Extracellular Vesicles: Lessons Learned From Nature for Biomedicine and Bioengineering. <i>Nanomaterials</i> , 2020, 10, 2172.	4.1	17
31	Biomimetic cellular vectors for enhancing drug delivery to the lungs. <i>Scientific Reports</i> , 2020, 10, 172.	3.3	16
32	Trends towards Biomimicry in Theranostics. <i>Nanomaterials</i> , 2018, 8, 637.	4.1	14
33	Mesenchymal Stromal Cell-Mediated Treatment of Local and Systemic Inflammation through the Triggering of an Anti-Inflammatory Response. <i>Advanced Functional Materials</i> , 2021, 31, 2002997.	14.9	9
34	LDL-Based Lipid Nanoparticle Derived for Blood Plasma Accumulates Preferentially in Atherosclerotic Plaque. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 794676.	4.1	3
35	Case Study: Application of LeukoLike Technology to Camouflage Nanoparticles from the Immune Recognition. <i>Frontiers in Nanobiomedical Research</i> , 2016, , 43-68.	0.1	0