

Jean-Michel Rabanel

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,265
citations

471477

17
h-index

501174

28
g-index

30
all docs

30
docs citations

30
times ranked

2413
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring PEGylated nanoparticle surface modulates inflammatory response in vascular endothelial cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 174, 155-166.	4.3	3
2	Therapeutic nanotechnologies for Alzheimer's disease: A critical analysis of recent trends and findings. <i>Advanced Drug Delivery Reviews</i> , 2022, 187, 114397.	13.7	11
3	(In)stability of ligands at the surface of inorganic nanoparticles: A forgotten question in nanomedicine?. <i>Nano Today</i> , 2022, 45, 101516.	11.9	10
4	Nanoparticle shell structural cues drive in vitro transport properties, tissue distribution and brain accessibility in zebrafish. <i>Biomaterials</i> , 2021, 277, 121085.	11.4	7
5	Overcoming the Brain Barriers: From Immune Cells to Nanoparticles. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 42-54.	8.7	33
6	Transport of PEGylated-PLA nanoparticles across a blood brain barrier model, entry into neuronal cells and in vivo brain bioavailability. <i>Journal of Controlled Release</i> , 2020, 328, 679-695.	9.9	45
7	Periphery-confined particulate systems for the management of neurodegenerative diseases and toxicity: Avoiding the blood-brain-barrier challenge. <i>Journal of Controlled Release</i> , 2020, 322, 286-299.	9.9	9
8	Spontaneous shrinking of soft nanoparticles boosts their diffusion in confined media. <i>Nature Communications</i> , 2019, 10, 4294.	12.8	26
9	Nanoparticle heterogeneity: an emerging structural parameter influencing particle fate in biological media?. <i>Nanoscale</i> , 2019, 11, 383-406.	5.6	83
10	Subtle and unexpected role of PEG in tuning the penetration mechanisms of PLA-based nano-formulations into intact and impaired skin. <i>International Journal of Pharmaceutics</i> , 2019, 563, 79-90.	5.2	12
11	Nanotechnology at the Rescue of Neurodegenerative Diseases: Tools for Early Diagnostic. , 2019, , 19-48.		1
12	Unified Scaling of the Structure and Loading of Nanoparticles Formed by Diffusion-Limited Coalescence. <i>Langmuir</i> , 2018, 34, 5772-5780.	3.5	18
13	Effect of surface chemistry of polymeric nanoparticles on cutaneous penetration of cholecalciferol. <i>International Journal of Pharmaceutics</i> , 2018, 553, 120-131.	5.2	19
14	Functional polylactide via ring-opening copolymerisation with allyl, benzyl and propargyl glycidyl ethers. <i>European Polymer Journal</i> , 2017, 90, 344-353.	5.4	25
15	Influence of Hydrophobic Dendrimer Core Structure on the Itraconazole Encapsulation Efficiency. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2356-2367.	2.2	6
16	Synthesis and Evaluation of Symmetrically PEG-Decorated Triglycerides of Fatty Acid as Drug-Encapsulating Agents. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 427-438.	2.2	3
17	Effect of the Polymer Architecture on the Structural and Biophysical Properties of PEG-PLA Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10374-10385.	8.0	60
18	Effect of polymer architecture on curcumin encapsulation and release from PEGylated polymer nanoparticles: Toward a drug delivery nano-platform to the CNS. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 409-420.	4.3	38

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19	Assessment of PEG on polymeric particles surface, a key step in drug carrier translation. <i>Journal of Controlled Release</i> , 2014, 185, 71-87.	9.9	247
20	Characterization of rhodamine loaded PEG-g-PLA nanoparticles (NPs): Effect of poly(ethylene glycol) grafting density. <i>International Journal of Pharmaceutics</i> , 2011, 411, 178-187.	5.2	82
21	Effect of aqueous solubility of grafted moiety on the physicochemical properties of poly(d,l-lactide) (PLA) based nanoparticles. <i>International Journal of Pharmaceutics</i> , 2010, 388, 263-273.	5.2	18
22	Effect of polyethylene glycol (PEG) chain organization on the physicochemical properties of poly(d,l-lactide) based nanoparticles. <i>International Journal of Pharmaceutics</i> , 2010, 388, 96-106.	4.3	82
23	Progress technology in microencapsulation methods for cell therapy. <i>Biotechnology Progress</i> , 2009, 25, 946-963.	2.6	118
24	Functionalized nanospheres loaded with anti-angiogenic drugs: Cellular uptake and angiostatic efficacy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 418-427.	4.3	18
25	Effect of mechanical properties of hydrogel nanoparticles on macrophage cell uptake. <i>Soft Matter</i> , 2009, 5, 3984.	2.7	211
26	Selectins Ligand Decorated Drug Carriers for Activated Endothelial Cell Targeting. <i>Bioconjugate Chemistry</i> , 2008, 19, 2030-2039.	3.6	35
27	Direct Measurement of Mechanical and Adhesive Properties of Living Cells Using Surface Forces Apparatus. <i>Australian Journal of Chemistry</i> , 2007, 60, 638.	0.9	3
28	Synthesis and characterization of biodegradable and charged salen-based polymers. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2568-2577.	2.6	0
29	Polysaccharide Hydrogels for the Preparation of Immunoisolated Cell Delivery Systems. <i>ACS Symposium Series</i> , 2006, , 305-339.	0.5	11
30	Synthesis of new versatile functionalized polyesters for biomedical applications. <i>Polymer</i> , 2005, 46, 11263-11272.	3.8	31