

Nicolas Bertrand

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

5,728
citations

331670

21
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

10709
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer nanotechnology: The impact of passive and active targeting in the era of modern cancer biology. <i>Advanced Drug Delivery Reviews</i> , 2014, 66, 2-25.	13.7	2,275
2	Cancer nanomedicine: from targeted delivery to combination therapy. <i>Trends in Molecular Medicine</i> , 2015, 21, 223-232.	6.7	578
3	The journey of a drug-carrier in the body: An anatomico-physiological perspective. <i>Journal of Controlled Release</i> , 2012, 161, 152-163.	9.9	568
4	Mechanistic understanding of in vivo protein corona formation on polymeric nanoparticles and impact on pharmacokinetics. <i>Nature Communications</i> , 2017, 8, 777.	12.8	507
5	Interactions of nanomaterials and biological systems: Implications to personalized nanomedicine. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1363-1384.	13.7	365
6	Engineered nanomedicine for myeloma and bone microenvironment targeting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10287-10292.	7.1	234
7	Emerging understanding of the protein corona at the nano-bio interfaces. <i>Nano Today</i> , 2016, 11, 817-832.	11.9	205
8	Hydrophobic Cysteine Poly(disulfide)-based Redox-Hypersensitive Nanoparticle Platform for Cancer Theranostics. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9218-9223.	13.8	164
9	Parallel microfluidic synthesis of size-tunable polymeric nanoparticles using 3D flow focusing towards in vivo study. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 401-409.	3.3	134
10	Anti-polyethylene glycol antibodies alter the protein corona deposited on nanoparticles and the physiological pathways regulating their fate in vivo. <i>Journal of Controlled Release</i> , 2018, 287, 121-131.	9.9	96
11	Nanoparticles with photoinduced precipitation for the extraction of pollutants from water and soil. <i>Nature Communications</i> , 2015, 6, 7765.	12.8	95
12	Solubilization of Docetaxel in Poly(ethylene oxide)-block-poly(butylene/styrene oxide) Micelles. <i>Biomacromolecules</i> , 2007, 8, 2250-2257.	5.4	74
13	Pharmacokinetics and biodistribution of N-isopropylacrylamide copolymers for the design of pH-sensitive liposomes. <i>Biomaterials</i> , 2009, 30, 2598-2605.	11.4	63
14	Transmembrane pH-Gradient Liposomes To Treat Cardiovascular Drug Intoxication. <i>ACS Nano</i> , 2010, 4, 7552-7558.	14.6	51
15	New pharmaceutical applications for macromolecular binders. <i>Journal of Controlled Release</i> , 2011, 155, 200-210.	9.9	32
16	Insights into gold nanoparticles as a mucoadhesive system. <i>Scientific Reports</i> , 2018, 8, 14357.	3.3	32
17	Modeling drug release from bioerodible microspheres using a cellular automaton. <i>International Journal of Pharmaceutics</i> , 2007, 343, 196-207.	5.2	30
18	Design of Insulin-Loaded Nanoparticles Enabled by Multistep Control of Nanoprecipitation and Zinc Chelation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11440-11450.	8.0	28

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19	Innate and adaptive immune responses toward nanomedicines. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 852-870.	12.0	26
20	Serum-Stable, Long-Circulating, pH-Sensitive PEGylated Liposomes. <i>Methods in Molecular Biology</i> , 2010, 605, 545-558.	0.9	21
21	Residual Solvents in Nanomedicine and Lipid-Based Drug Delivery Systems: a Case Study to Better Understand Processes. <i>Pharmaceutical Research</i> , 2020, 37, 149.	3.5	19
22	Coacervates of whey proteins to protect and improve the oral delivery of a bioactive molecule. <i>Journal of Functional Foods</i> , 2017, 38, 197-204.	3.4	18
23	Pharmacokinetic profile of PBRM in rodents, a first selective covalent inhibitor of 17 β -HSD1 for breast cancer and endometriosis treatments. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 178, 167-176.	2.5	15
24	Polysaccharide Hydrogels for the Preparation of Immunisolated Cell Delivery Systems. <i>ACS Symposium Series</i> , 2006, , 305-339.	0.5	11
25	Induction of endoplasmic reticulum stress by aminosteroid derivative RM-581 leads to tumor regression in PANC-1 xenograft model. <i>Investigational New Drugs</i> , 2019, 37, 431-440.	2.6	10
26	Role of the complement cascade in the biological fate of liposomes in rodents. <i>Nanoscale</i> , 2020, 12, 18875-18884.	5.6	9
27	Isolating Nanoparticles from Complex Biological Media by Immunoprecipitation. <i>Nano Letters</i> , 2021, 21, 4530-4538.	9.1	9
28	Drinkable lecithin nanovesicles to study the biological effects of individual hydrophobic macronutrients and food preferences. <i>Food Chemistry</i> , 2020, 322, 126736.	8.2	8
29	Serum-Stable, Long-Circulating, pH-Sensitive PEGylated Liposomes. <i>Methods in Molecular Biology</i> , 2017, 1522, 193-207.	0.9	5
30	Size Exclusion of Radioactive Polymers (SERP) informs on the biodegradation of trimethyl chitosan and biodegradable polymer nanoparticles in vitro and in vivo. <i>Journal of Controlled Release</i> , 2022, 346, 20-31.	9.9	5
31	Molecular Rotors for Universal Quantitation of Nanoscale Hydrophobic Interfaces in Microplate Format. <i>Nano Letters</i> , 2018, 18, 618-628.	9.1	3
32	Designing Polymeric Binders for Pharmaceutical Applications. <i>Monographs in Supramolecular Chemistry</i> , 2013, , 483-517.	0.2	3
33	Physical compatibility of calcium gluconate and magnesium sulfate injections. <i>American Journal of Health-System Pharmacy</i> , 2012, 69, 98-98.	1.0	2
34	Effects of Industrial and Ruminant Trans-fatty Acids-Enriched Diet on Fecal Microbiome and Short Chain Fatty Acid Metabolites of C57BL/6 Mice. <i>Current Developments in Nutrition</i> , 2021, 5, 1171.	0.3	0
35	Taste Preference Between Ruminant and Industrial Trans Fat in C57BL/6 Mice Measured With the Automated IntelliCage System. <i>Current Developments in Nutrition</i> , 2022, 6, 851.	0.3	0