Ryan M Pearson

List of Publications by Year
in descending order

36 papers	1,693 citations	318942 23 h-index	488211 31 g-index
39 all docs	39 docs citations	39 times ranked	2982 citing authors

#	Article	IF	Citations
1	Mechanistic contributions of Kupffer cells and liver sinusoidal endothelial cells in nanoparticle-induced antigen-specific immune tolerance. Biomaterials, 2022, 283, 121457.	5.7	21
2	Microfluidic-Generated Immunomodulatory Nanoparticles and Formulation-Dependent Effects on Lipopolysaccharide-Induced Macrophage Inflammation. AAPS Journal, 2022, 24, 6.	2.2	10
3	Nanoparticle Personalized Biomolecular Corona: Implications of Pre-existing Conditions on Immunomodulation and Cancer. Biomaterials Science, 2022, 10, 2540-2549.	2.6	3
4	Cholecalciferol complexation with hydroxypropyl-Î²-cyclodextrin (HPBCD) and its molecular dynamics simulation. Pharmaceutical Development and Technology, 2022, 27, 389-398.	1.1	5
5	Nanoparticle-Based Delivery to Treat Spinal Cord Injuryâ€"a Mini-review. AAPS PharmSciTech, 2021, 22, 101.	1.5	16
6	Immunomodulatory Nanoparticles Mitigate Macrophage Inflammation via Inhibition of PAMP Interactions and Lactate-Mediated Functional Reprogramming of NF-ÎºB and p38 MAPK. Pharmaceutics, 2021, 13, 1841.	2.0	20
7	Biomaterial-Driven Immunomodulation: Cell Biology-Based Strategies to Mitigate Severe Inflammation and Sepsis. Frontiers in Immunology, 2020, 11, 1726.	2.2	18
8	Serum-Independent Nonviral Gene Delivery to Innate and Adaptive Immune Cells Using Immunoplexes. ACS Applied Bio Materials, 2020, 3, 6263-6272.	2.3	4
9	Gliadin Nanoparticles Induce Immune Tolerance to Gliadin in Mouse Models of Celiac Disease. Gastroenterology, 2020, 158, 1667-1681.e12.	0.6	87
10	Cargo-less nanoparticles program innate immune cell responses to toll-like receptor activation. Biomaterials, 2019, 218, 119333.	5.7	51
11	Designing drug-free biodegradable nanoparticles to modulate inflammatory monocytes and neutrophils for ameliorating inflammation. Journal of Controlled Release, 2019, 300, 185-196.	4.8	68
12	Localized immune tolerance from FasL-functionalized PLG scaffolds. Biomaterials, 2019, 192, 271-281.	5.7	30
13	Overcoming challenges in treating autoimmuntity: Development of tolerogenic immune-modifying nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 18, 282-291.	1.7	67
14	Conjugation of Transforming Growth Factor Beta to Antigen-Loaded Poly(lactide-<i>co</i>-glycolide) Nanoparticles Enhances Efficiency of Antigen-Specific Tolerance. Bioconjugate Chemistry, 2018, 29, 813-823.	1.8	66
15	MULTIFUNCTIONAL DENDRITIC NANOPARTICLES AS A NANOMEDICINE PLATFORM. Frontiers in Nanobiomedical Research, 2018, , 155-186.	0.1	0
16	In vivo reprogramming of immune cells: Technologies for induction of antigen-specific tolerance. Advanced Drug Delivery Reviews, 2017, 114, 240-255.	6.6	95
17	An antigen-encapsulating nanoparticle platform for TH1/17 immune tolerance therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 191-200.	1.7	89
18	Controlled Delivery of Single or Multiple Antigens in Tolerogenic Nanoparticles Using Peptide-Polymer Bioconjugates. Molecular Therapy, 2017, 25, 1655-1664.	3.7	79

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19	Biodegradable antigen-associated PLG nanoparticles tolerize Th2-mediated allergic airway inflammation pre- and postsensitization. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5059-5064.	3.3	78
20	Tuning the Selectivity of Dendron Micelles Through Variations of the Poly(ethylene glycol) Corona. ACS Nano, 2016, 10, 6905-6914.	7.3	43
21	Size and Surface Charge of Engineered Poly(amidoamine) Dendrimers Modulate Tumor Accumulation and Penetration: A Model Study Using Multicellular Tumor Spheroids. Molecular Pharmaceutics, 2016, 13, 2155-2163.	2.3	89
22	Understanding nano-bio interactions to improve nanocarriers for drug delivery. MRS Bulletin, 2014, 39, 227-237.	1.7	50
23	BIOINSPIRED ENGINEERING OF MULTIFUNCTIONAL DEVICES. World Scientific Series in Nanoscience and Nanotechnology, 2014, , 31-63.	0.1	0
24	Drug Delivery: Dendron-Based Micelles for Topical Delivery of Endoxifen: A Potential Chemo-Preventive Medicine for Breast Cancer (Adv. Funct. Mater. 17/2014). Advanced Functional Materials, 2014, 24, 2441-2441.	7.8	0
25	Dendronâ€Based Micelles for Topical Delivery of Endoxifen: A Potential Chemoâ€Preventive Medicine for Breast Cancer. Advanced Functional Materials, 2014, 24, 2442-2449.	7.8	49
26	Poly(ethylene glycol) Corona Chain Length Controls End-Group-Dependent Cell Interactions of Dendron Micelles. Macromolecules, 2014, 47, 6911-6918.	2.2	32
27	Biomolecular corona on nanoparticles: a survey of recent literature and its implications in targeted drug delivery. Frontiers in Chemistry, 2014, 2, 108.	1.8	108
28	Positively Charged Dendron Micelles Display Negligible Cellular Interactions. ACS Macro Letters, 2013, 2, 77-81.	2.3	29
29	Dendritic nanoparticles: the next generation of nanocarriers?. Therapeutic Delivery, 2012, 3, 941-959.	1.2	46
30	Temporal Control over Cellular Targeting through Hybridization of Folate-targeted Dendrimers and PEG-PLA Nanoparticles. Biomacromolecules, 2012, 13, 1223-1230.	2.6	47
31	Abstract 1954: Synthesis and self-assembly of highly PEGylated dendron-coils: A potential nanocarrier platform. , 2012, , .		0
32	Direct Measurements on CD24-Mediated Rolling of Human Breast Cancer MCF-7 Cells on E-Selectin. Analytical Chemistry, 2011, 83, 1078-1083.	3.2	53
33	Kinetically Controlled Cellular Interactions of Polymerâ^'Polymer and Polymerâ^'Liposome Nanohybrid Systems. Bioconjugate Chemistry, 2011, 22, 466-474.	1.8	38
34	Facilitated self-assembly of novel dendron-based copolymers. , 2011, 2011, 8334-6.		0
35	Dendron-mediated self-assembly of highly PEGylated block copolymers: a modular nanocarrier platform. Chemical Communications, 2011, 47, 10302.	2.2	49
36	Sandwiched Grapheneâ^'Membrane Superstructures. ACS Nano, 2010, 4, 229-234.	7.3	252