

Jacob W Myerson

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,042
citations

516710

16
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

1472
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular arrangement of protein in nanoparticle structures predicts nanoparticle tropism for neutrophils in acute lung inflammation. <i>Nature Nanotechnology</i> , 2022, 17, 86-97.	31.5	57
2	Combating Complement's Deleterious Effects on Nanomedicine by Conjugating Complement Regulatory Proteins to Nanoparticles. <i>Advanced Materials</i> , 2022, 34, e2107070.	21.0	20
3	Dual Affinity to RBCs and Target Cells (DART) Enhances Both Organ- and Cell Type-Targeting of Intravascular Nanocarriers. <i>ACS Nano</i> , 2022, 16, 4666-4683.	14.6	24
4	Added to pre-existing inflammation, mRNA-lipid nanoparticles induce inflammation exacerbation (IE). <i>Journal of Controlled Release</i> , 2022, 344, 50-61.	9.9	49
5	Targeted In Vivo Loading of Red Blood Cells Markedly Prolongs Nanocarrier Circulation. <i>Bioconjugate Chemistry</i> , 2022, 33, 1286-1294.	3.6	13
6	Copper Oxide Nanoparticle-Induced Acute Inflammatory Response and Injury in Murine Lung Is Ameliorated by Synthetic Secoisolariciresinol Diglucoside (LGM2605). <i>International Journal of Molecular Sciences</i> , 2021, 22, 9477.	4.1	9
7	Erythrocytes as carriers of immunoglobulin-based therapeutics. <i>Acta Biomaterialia</i> , 2020, 101, 422-435.	8.3	25
8	Targeting drug delivery in the vascular system: Focus on endothelium. <i>Advanced Drug Delivery Reviews</i> , 2020, 157, 96-117.	13.7	61
9	Selective targeting of nanomedicine to inflamed cerebral vasculature to enhance the blood-brain barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3405-3414.	7.1	97
10	Cross-linker-Modulated Nanogel Flexibility Correlates with Tunable Targeting to a Sterically Impeded Endothelial Marker. <i>ACS Nano</i> , 2019, 13, 11409-11421.	14.6	24
11	Stiffness can mediate balance between hydrodynamic forces and avidity to impact the targeting of flexible polymeric nanoparticles in flow. <i>Nanoscale</i> , 2019, 11, 6916-6928.	5.6	15
12	Combining vascular targeting and the local first pass provides 100-fold higher uptake of ICAM-1-targeted vs untargeted nanocarriers in the inflamed brain. <i>Journal of Controlled Release</i> , 2019, 301, 54-61.	9.9	36
13	Nanoparticle Properties Modulate Their Attachment and Effect on Carrier Red Blood Cells. <i>Scientific Reports</i> , 2018, 8, 1615.	3.3	83
14	Flexible Nanoparticles Reach Sterically Obscured Endothelial Targets Inaccessible to Rigid Nanoparticles. <i>Advanced Materials</i> , 2018, 30, e1802373.	21.0	73
15	Unintended effects of drug carriers: Big issues of small particles. <i>Advanced Drug Delivery Reviews</i> , 2018, 130, 90-112.	13.7	51
16	Red blood cell-hitchhiking boosts delivery of nanocarriers to chosen organs by orders of magnitude. <i>Nature Communications</i> , 2018, 9, 2684.	12.8	247
17	Mechanisms that determine nanocarrier targeting to healthy versus inflamed lung regions. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1495-1506.	3.3	34
18	Fluorescence Microscopy Imaging Calibration for Quantifying Nanocarrier Binding to Cells During Shear Flow Exposure. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 737-745.	1.1	6

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19	Inhibition of Thrombin With PPACK-Nanoparticles Restores Disrupted Endothelial Barriers and Attenuates Thrombotic Risk in Experimental Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 446-455.	2.4	38
20	Non-affinity factors modulating vascular targeting of nano- and microcarriers. <i>Advanced Drug Delivery Reviews</i> , 2016, 99, 97-112.	13.7	65
21	Systems approaches to design of targeted therapeutic delivery. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2015, 7, 253-265.	6.6	7
22	Nanoparticle-Induced Augmentation of Neutrophils's Phagocytosis of Bacteria. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	0