

Kevin J Mchugh

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,918
citations

394421

19
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

3130
citing authors

#	ARTICLE	IF	CITATIONS
1	Layer-by-Layer Encapsulation of Probiotics for Delivery to the Microbiome. <i>Advanced Materials</i> , 2016, 28, 9486-9490.	21.0	239
2	Biocompatible Semiconductor Quantum Dots as Cancer Imaging Agents. <i>Advanced Materials</i> , 2018, 30, e1706356.	21.0	227
3	Fabrication of fillable microparticles and other complex 3D microstructures. <i>Science</i> , 2017, 357, 1138-1142.	12.6	163
4	The topographical effect of electrospun nanofibrous scaffolds on the <i>in vivo</i> and <i>in vitro</i> foreign body reaction. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 1151-1159.	4.0	155
5	Zero-order drug delivery: State of the art and future prospects. <i>Journal of Controlled Release</i> , 2020, 327, 834-856.	9.9	126
6	Chiral Supraparticles for Controllable Nanomedicine. <i>Advanced Materials</i> , 2020, 32, e1903878.	21.0	118
7	Engineered PLGA microparticles for long-term, pulsatile release of STING agonist for cancer immunotherapy. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	117
8	Biocompatible near-infrared quantum dots delivered to the skin by microneedle patches record vaccination. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	95
9	Single-injection vaccines: Progress, challenges, and opportunities. <i>Journal of Controlled Release</i> , 2015, 219, 596-609.	9.9	80
10	Influence of injection technique, drug formulation and tumor microenvironment on intratumoral immunotherapy delivery and efficacy. , 2021, 9, e001800.		59
11	Porous Poly(μ -Caprolactone) Scaffolds for Retinal Pigment Epithelium Transplantation. , 2014, 55, 1754.		54
12	Theranostic nanoparticles with disease-specific administration strategies. <i>Nano Today</i> , 2022, 42, 101335.	11.9	54
13	Thermostabilization of inactivated polio vaccine in PLGA-based microspheres for pulsatile release. <i>Journal of Controlled Release</i> , 2016, 233, 101-113.	9.9	48
14	Stabilized single-injection inactivated polio vaccine elicits a strong neutralizing immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5269-E5278.	7.1	44
15	Modeling, design, and machine learning-based framework for optimal injectability of microparticle-based drug formulations. <i>Science Advances</i> , 2020, 6, eabb6594.	10.3	42
16	Immunogenicity of pulsatile-release PLGA microspheres for single-injection vaccination. <i>Vaccine</i> , 2018, 36, 3161-3168.	3.8	41
17	Bright, Magnetic NIR-II Quantum Dot Probe for Sensitive Dual-Modality Imaging and Intensive Combination Therapy of Cancer. <i>ACS Nano</i> , 2022, 16, 8076-8094.	14.6	31
18	Nanotechnology-enhanced immunotherapy for metastatic cancer. <i>Innovation(China)</i> , 2021, 2, 100174.	9.1	29

#	ARTICLE	IF	CITATIONS
19	Identification of a synergistic interaction between endothelial cells and retinal pigment epithelium. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2542-2552.	3.6	22
20	Computational modeling of retinal hypoxia and photoreceptor degeneration in patients with age-related macular degeneration. <i>PLoS ONE</i> , 2019, 14, e0216215.	2.5	22
21	A heat-stable microparticle platform for oral micronutrient delivery. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	20
22	Evaporative Cooling Hydrogel Packaging for Storing Biologics Outside of the Cold Chain. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800220.	7.6	19
23	Employing Drug Delivery Strategies to Overcome Challenges Using TLR7/8 Agonists for Cancer Immunotherapy. <i>AAPS Journal</i> , 2021, 23, 90.	4.4	19
24	Topographical control of ocular cell types for tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101, 1571-1584.	3.4	18
25	A novel porous scaffold fabrication technique for epithelial and endothelial tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1659-1670.	3.6	17
26	Combined Surface Micropatterning and Reactive Chemistry Maximizes Tissue Adhesion with Minimal Inflammation. <i>Advanced Healthcare Materials</i> , 2014, 3, 565-571.	7.6	16
27	One-step synthesis, biodegradation and biocompatibility of polyesters based on the metabolic synthon, dihydroxyacetone. <i>Biomaterials</i> , 2016, 98, 41-52.	11.4	14
28	Novel Vaccine Adjuvants as Key Tools for Improving Pandemic Preparedness. <i>Bioengineering</i> , 2021, 8, 155.	3.5	13
29	Employing drug delivery strategies to create safe and effective pharmaceuticals for COVID-19. <i>Bioengineering and Translational Medicine</i> , 2020, 5, e10163.	7.1	7
30	Biomaterials: Layer-by-Layer Encapsulation of Probiotics for Delivery to the Microbiome (<i>Adv. Mater.</i>) Tj ETQq0 0,0 rgBT /Qverlock 10 21.05/6		0
31	Aqueous synthesis of bright near-infrared-emitting Zn-Cu-In-Se quantum dots for multiplexed detection of tumor markers. <i>Nano Research</i> , 2022, 15, 8351-8359.	10.4	3
32	Pore-Cast Scaffold for Vascular Tissue Engineering. , 2013, , .		0
33	Effect of Endothelial cells on RPE differentiation and Matrix Deposition. <i>FASEB Journal</i> , 2013, 27, 729.9.	0.5	0
34	Controlled Vaccine Delivery. , 2020, , 77-89.		0