

Mark Byrne

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/975634/publications.pdf>

Version: 2024-02-01

35
papers

1,869
citations

430874

18
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

2090
citing authors

#	ARTICLE	IF	CITATIONS
1	One Week Sustained In Vivo Therapeutic Release and Safety of Novel Extended-Wear Silicone Hydrogel Contact Lenses. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101263.	7.6	6
2	Tailored Nucleic Acid Architectures at Gold Surfaces for Controlled Therapeutic Release. <i>Langmuir</i> , 2022, 38, 1698-1704.	3.5	2
3	Sustained Release of Antibody-Conjugated DNA Nanocarriers from a Novel Injectable Hydrogel for Targeted Cell Depletion to Treat Cataract Posterior Capsule Opacification. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2022, , .	1.4	0
4	Characterization and analysis of <scp>extended-wear</scp> silicone hydrogel contact lenses utilizing novel silicone macromers. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1512-1523.	4.0	6
5	Hyaluronic Acid: Its Versatile Use in Ocular Drug Delivery with a Specific Focus on Hyaluronic Acid-Based Polyelectrolyte Complexes. <i>Pharmaceutics</i> , 2022, 14, 1479.	4.5	12
6	Nucleic acid biohybrid nanocarriers with high therapeutic payload and controllable extended release of daunomycin for cancer therapy. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1256-1265.	4.0	5
7	Review of Contemporary Self-Assembled Systems for the Controlled Delivery of Therapeutics in Medicine. <i>Nanomaterials</i> , 2021, 11, 278.	4.1	43
8	Recent applications of QCM-D for the design, synthesis, and characterization of bioactive materials. <i>Journal of Bioactive and Compatible Polymers</i> , 2021, 36, 261-275.	2.1	4
9	In vivo drug delivery via contact lenses: The current state of the field from origins to present. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 63, 102413.	3.0	8
10	Posterior Segment Ophthalmic Drug Delivery: Role of Muco-Adhesion with a Special Focus on Chitosan. <i>Pharmaceutics</i> , 2021, 13, 1685.	4.5	25
11	Controlled Release of Multiple Therapeutics From Silicone Hydrogel Contact Lenses for Post-Cataract/Post-Refractive Surgery and Uveitis Treatment. <i>Translational Vision Science and Technology</i> , 2021, 10, 5.	2.2	8
12	Amphiphilic PLGA-PEG-PLGA triblock copolymer nanogels varying in gelation temperature and modulus for the extended and controlled release of hyaluronic acid. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48678.	2.6	22
13	Extended Release of Doxorubicin-Loaded 3DNA Nanocarriers from <i>In-Situ</i> Forming, Self-Assembled Hydrogels. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2020, 36, 447-457.	1.4	3
14	Polyethylene glycol-b-poly(lactic acid) polymersomes as vehicles for enzyme replacement therapy. <i>Nanomedicine</i> , 2017, 12, 2591-2606.	3.3	32
15	Emerging therapies for neuropathic lysosomal storage disorders. <i>Progress in Neurobiology</i> , 2017, 152, 166-180.	5.7	25
16	Revolutionary Future Uses of Contact Lenses. <i>Optometry and Vision Science</i> , 2016, 93, 325-327.	1.2	8
17	Controlled architecture for improved macromolecular memory within polymer networks. <i>Current Opinion in Biotechnology</i> , 2016, 40, 170-176.	6.6	8
18	Lyoprotectants modify and stabilize self-assembly of polymersomes. <i>Polymer</i> , 2016, 87, 316-322.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Controlled Release of Multiple Therapeutics from Silicone Hydrogel Contact Lenses. <i>Optometry and Vision Science</i> , 2016, 93, 377-386.	1.2	37
20	Bringing comfort to the masses: A novel evaluation of comfort agent solution properties. <i>Contact Lens and Anterior Eye</i> , 2014, 37, 81-91.	1.7	28
21	Analysis of release kinetics of ocular therapeutics from drug releasing contact lenses: Best methods and practices to advance the field. <i>Contact Lens and Anterior Eye</i> , 2014, 37, 305-313.	1.7	48
22	Controlled Drug Release from Weakly Crosslinked Molecularly Imprinted Networks: The Benefit of Living Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2355-2366.	2.2	14
23	Crosslinking diversity on network morphology, template binding, and template transport of molecularly imprinted polymers prepared via living radical polymerization. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3588-3599.	2.6	7
24	Therapeutic RNA aptamers in clinical trials. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 259-271.	4.0	237
25	Living Radical Polymerization and Molecular Imprinting: Improving Polymer Morphology in Imprinted Polymers. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 379-390.	3.6	52
26	A nanoscale drug delivery carrier using nucleic acid aptamers for extended release of therapeutic. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1143-1151.	3.3	25
27	In vitro controlled release of an anti-inflammatory from daily disposable therapeutic contact lenses under physiological ocular tear flow. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 170-177.	4.3	88
28	Extended release of high molecular weight hydroxypropyl methylcellulose from molecularly imprinted, extended wear silicone hydrogel contact lenses. <i>Biomaterials</i> , 2011, 32, 5698-5705.	11.4	124
29	Controlled Release of High Molecular Weight Hyaluronic Acid from Molecularly Imprinted Hydrogel Contact Lenses. <i>Pharmaceutical Research</i> , 2009, 26, 714-726.	3.5	156
30	Tailored binding and transport parameters of molecularly imprinted films via macromolecular structure: The rational design of recognitive polymers. <i>Journal of Applied Polymer Science</i> , 2008, 107, 3435-3441.	2.6	11
31	Molecular imprinting within hydrogels II: Progress and analysis of the field. <i>International Journal of Pharmaceutics</i> , 2008, 364, 188-212.	5.2	161
32	Challenges and solutions in topical ocular drug-delivery systems. <i>Expert Review of Clinical Pharmacology</i> , 2008, 1, 145-161.	3.1	59
33	Transport and structural analysis of molecular imprinted hydrogels for controlled drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 852-860.	4.3	82
34	Biomimetic Recognitive Polymer Networks for Ocular Delivery of Anti-Histamines. <i>Materials Research Society Symposia Proceedings</i> , 2005, 897, 1.	0.1	1
35	Molecular imprinting within hydrogels. <i>Advanced Drug Delivery Reviews</i> , 2002, 54, 149-161.	13.7	499