Edith Mathiowitz

List of Publications by Year
in descending order

44 papers	2,586 citations	361413 20 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	3199 citing authors

#	Article	IF	Citations
1	Biocoatingâ€"A Critical Step Governing the Oral Delivery of Polymeric Nanoparticles. Small, 2022, 18, .	10.0	5
2	The characterization and quantification of the induced mesophases of poly-l-lactic acid. Polymer, 2021, 226, 123822.	3.8	5
3	Advances in Drug Delivery and Theranostics. Advanced Functional Materials, 2021, 31, 2108838.	14.9	6
4	The effect of temperature and pressure on polycaprolactone morphology. Polymer, 2020, 191, 122227.	3.8	33
5	Oral encapsulated transforming growth factor Î²1 reduces endogenous levels: Effect on inflammatory bowel disease. World Journal of Gastrointestinal Pharmacology and Therapeutics, 2020, 11, 79-92.	1.1	4
6	Time-dependent mucoadhesion of conjugated bioadhesive polymers. Colloids and Surfaces B: Biointerfaces, 2019, 173, 454-469.	5.0	12
7	Cell Mimicking Microparticles Influence the Organization, Growth, and Mechanophenotype of Stem Cell Spheroids. Annals of Biomedical Engineering, 2018, 46, 1146-1159.	2.5	14
8	Concise Review: Fabrication, Customization, and Application of Cell Mimicking Microparticles in Stem Cell Science. Stem Cells Translational Medicine, 2018, 7, 232-240.	3.3	15
9	Single Step Double-walled Nanoencapsulation (SSDN). Journal of Controlled Release, 2018, 280, 11-19.	9.9	7
10	Fabricating polyacrylamide microbeads by inverse emulsification to mimic the size and elasticity of living cells. Biomaterials Science, 2017, 5, 41-45.	5.4	16
11	Effect of pressure on poly-l-Lactic Acid morphology. Polymer, 2016, 99, 250-262.	3.8	4
12	Oral Delivery of Particulate Transforming Growth Factor Beta 1 and All-Trans Retinoic Acid Reduces Gut Inflammation in Murine Models of Inflammatory Bowel Disease. Journal of Crohn's and Colitis, 2015, 9, 647-658.	1.3	24
13	Oral Interleukin-10 Alleviates Polyposis via Neutralization of Pathogenic T-Regulatory Cells. Cancer Research, 2014, 74, 5377-5385.	0.9	29
14	Effects of protein molecular weight on the intrinsic material properties and release kinetics of wet spun polymeric microfiber delivery systems. Acta Biomaterialia, 2013, 9, 4569-4578.	8.3	25
15	Oral delivery of proteins by biodegradable nanoparticles. Advanced Drug Delivery Reviews, 2013, 65, 811-821.	13.7	156
16	Wet spun microfibers: potential in the design of controlled-release scaffolds?. Therapeutic Delivery, 2013, 4, 1075-1077.	2.2	24
17	Unique insights into the intestinal absorption, transit, and subsequent biodistribution of polymer-derived microspheres. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13803-13808.	7.1	68
18	Doxycycline delivery from PLGA microspheres prepared by a modified solvent removal method. Journal of Microencapsulation, 2012, 29, 344-352.	2.8	15

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19	Bioinspired Bioadhesive Polymers: Dopaâ€Modified Poly(acrylic acid) Derivatives. Macromolecular Bioscience, 2012, 12, 1555-1565.	4.1	21
20	A novel wet extrusion technique to fabricate selfâ€assembled microfiber scaffolds for controlled drug delivery. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2793-2802.	4.0	11
21	Are in vivo gastric bioadhesive forces accurately reflected by in vitro experiments?. Journal of Controlled Release, 2009, 134, 103-110.	9.9	19
22	Sequential release of bioactive IGF-I and TGF-Î²1 from PLGA microsphere-based scaffolds. Biomaterials, 2008, 29, 1518-1525.	11.4	167
23	Oral delivery of insulin loaded poly(fumaric-co-sebacic) anhydride microspheres. International Journal of Pharmaceutics, 2008, 347, 149-155.	5.2	45
24	Drug Delivery Systems. Toxicologic Pathology, 2008, 36, 16-20.	1.8	7
25	(Trimethylsilyl)ethoxyacetylene as a Dehydrating Agent for Polyanhydride Synthesis. Macromolecules, 2007, 40, 7748-7751.	4.8	7
26	Acyl chlorideâ€facilitated condensation polymerization for the synthesis of heatâ€sensitive poly(anhydrideâ€ester)s. Journal of Polymer Science Part A, 2007, 45, 5899-5915.	2.3	1
27	Subcutaneous delivery of insulin loaded poly(fumaric-co-sebacic anhydride) microspheres to type 1 diabetic rats. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 63, 229-236.	4.3	28
28	In vitro and in vivo analysis of antide delivery from multi-phase microspheres fabricated via solvent removal. Israel Journal of Chemistry, 2005, 45, 445-456.	2.3	0
29	A Novel Mechanism for Spontaneous Encapsulation of Active Agents: Phase Inversion Nanoencapsulation. ACS Symposium Series, 2004, , 214-223.	0.5	5
30	Enhancing the Oral Bioavailability of the Poorly Soluble Drug Dicumarol with a Bioadhesive Polymer. Journal of Pharmaceutical Sciences, 2003, 92, 1677-1689.	3.3	19
31	Effect of lecithin and MgCO3 as additives on the enzymatic activity of carbonic anhydrase encapsulated in poly(lactide-co-glycolide) (PLGA) microspheres. Biochimica Et Biophysica Acta - General Subjects, 2002, 1570, 63-74.	2.4	20
32	Novel desiccants based on designed polymeric blends. Journal of Applied Polymer Science, 2001, 80, 317-327.	2.6	31
33	Effect of protein molecular weight on release from micron-sized PLGA microspheres. Journal of Controlled Release, 2001, 76, 297-311.	9.9	112
34	Interleukin-12 delivered by biodegradable microspheres promotes the antitumor activity of human peripheral blood lymphocytes in a human head and neck tumor xenograft/SCID mouse model. , 2000, 22, 57-63.		26
35	Oral insulin delivery1Abbreviations: GI, gastrointestinal; IDDM, insulin-dependent diabetes mellitus; IU, international units; NIDDM, non-insulin-dependent diabetes mellitus; PIN, phase inversion nanoencapsulation; ZOT, zona occludens toxin.1. Advanced Drug Delivery Reviews, 1999, 35, 249-257.	13.7	316
36	Characterization of soluble, salt-loaded, degradable PLGA films and their release of tetracycline. , 1998, 41, 18-29.		55

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37	Cytokine immunotherapy of cancer with controlled release biodegradable microspheres in a human tumor xenograft/SCID mouse model. Cancer Immunology, Immunotherapy, 1998, 46, 21-24.	4.2	59
38	Degradation of double-walled polymer microspheres of PLLA and P(CPP:SA)20:80. I. In vitro degradation. Biomaterials, 1998, 19, 1973-1980.	11.4	49
39	Interspecies Uptake of Polymeric Microspheres. Materials Research Society Symposia Proceedings, 1998, 550, 65.	0.1	4
40	Characterization of soluble, saltâ€loaded, degradable PLGA films and their release of tetracycline. Journal of Biomedical Materials Research Part B, 1998, 41, 18-29.	3.1	1
41	Biologically erodable microspheres as potential oral drug delivery systems. Nature, 1997, 386, 410-414.	27.8	808
42	One-step preparation of double-walled microspheres. Advanced Materials, 1994, 6, 684-687.	21.0	56
43	Double-walled polymer microspheres for controlled drug release. Nature, 1994, 367, 258-260.	27.8	255
44	Attachment of Mucin Specific Lectins to Alginate for Use as Bioadhesives. Materials Research Society Symposia Proceedings, 1993, 331, 67.	0.1	2