

# Edith Mathiowitz

## List of Publications by Year in descending order

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44  
papers

2,586  
citations

361413

20  
h-index

276875

41  
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44  
all docs

44  
docs citations

44  
times ranked

3199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biologically erodable microspheres as potential oral drug delivery systems. <i>Nature</i> , 1997, 386, 410-414.	27.8	808
2	Oral insulin delivery <sup>1</sup> Abbreviations: 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. <i>Advanced Drug Delivery Reviews</i> , 1999, 35, 249-257.	13.7	316
3	Double-walled polymer microspheres for controlled drug release. <i>Nature</i> , 1994, 367, 258-260.	27.8	255
4	Sequential release of bioactive IGF-I and TGF- $\beta$ 1 from PLGA microsphere-based scaffolds. <i>Biomaterials</i> , 2008, 29, 1518-1525.	11.4	167
5	Oral delivery of proteins by biodegradable nanoparticles. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 811-821.	13.7	156
6	Effect of protein molecular weight on release from micron-sized PLGA microspheres. <i>Journal of Controlled Release</i> , 2001, 76, 297-311.	9.9	112
7	Unique insights into the intestinal absorption, transit, and subsequent biodistribution of polymer-derived microspheres. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13803-13808.	7.1	68
8	Cytokine immunotherapy of cancer with controlled release biodegradable microspheres in a human tumor xenograft/SCID mouse model. <i>Cancer Immunology, Immunotherapy</i> , 1998, 46, 21-24.	4.2	59
9	One-step preparation of double-walled microspheres. <i>Advanced Materials</i> , 1994, 6, 684-687.	21.0	56
10	Characterization of soluble, salt-loaded, degradable PLGA films and their release of tetracycline. , 1998, 41, 18-29.		55
11	Degradation of double-walled polymer microspheres of PLLA and P(CPP:SA)20:80. I. In vitro degradation. <i>Biomaterials</i> , 1998, 19, 1973-1980.	11.4	49
12	Oral delivery of insulin loaded poly(fumaric-co-sebacic) anhydride microspheres. <i>International Journal of Pharmaceutics</i> , 2008, 347, 149-155.	5.2	45
13	The effect of temperature and pressure on polycaprolactone morphology. <i>Polymer</i> , 2020, 191, 122227.	3.8	33
14	Novel desiccants based on designed polymeric blends. <i>Journal of Applied Polymer Science</i> , 2001, 80, 317-327.	2.6	31
15	Oral Interleukin-10 Alleviates Polyposis via Neutralization of Pathogenic T-Regulatory Cells. <i>Cancer Research</i> , 2014, 74, 5377-5385.	0.9	29
16	Subcutaneous delivery of insulin loaded poly(fumaric-co-sebacic anhydride) microspheres to type 1 diabetic rats. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006, 63, 229-236.	4.3	28
17	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
18	Effects of protein molecular weight on the intrinsic material properties and release kinetics of wet spun polymeric microfiber delivery systems. <i>Acta Biomaterialia</i> , 2013, 9, 4569-4578.	8.3	25

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19	Wet spun microfibers: potential in the design of controlled-release scaffolds?. <i>Therapeutic Delivery</i> , 2013, 4, 1075-1077.	2.2	24
20	Oral Delivery of Particulate Transforming Growth Factor Beta 1 and All-Trans Retinoic Acid Reduces Gut Inflammation in Murine Models of Inflammatory Bowel Disease. <i>Journal of Crohn's and Colitis</i> , 2015, 9, 647-658.	1.3	24
21	Bioinspired Bioadhesive Polymers: Dopa-Modified Poly(acrylic acid) Derivatives. <i>Macromolecular Bioscience</i> , 2012, 12, 1555-1565.	4.1	21
22	Effect of lecithin and MgCO <sub>3</sub> as additives on the enzymatic activity of carbonic anhydrase encapsulated in poly(lactide-co-glycolide) (PLGA) microspheres. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1570, 63-74.	2.4	20
23	Enhancing the Oral Bioavailability of the Poorly Soluble Drug Dicumarol with a Bioadhesive Polymer. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 1677-1689.	3.3	19
24	Are in vivo gastric bioadhesive forces accurately reflected by in vitro experiments?. <i>Journal of Controlled Release</i> , 2009, 134, 103-110.	9.9	19
25	Fabricating polyacrylamide microbeads by inverse emulsification to mimic the size and elasticity of living cells. <i>Biomaterials Science</i> , 2017, 5, 41-45.	5.4	16
26	Doxycycline delivery from PLGA microspheres prepared by a modified solvent removal method. <i>Journal of Microencapsulation</i> , 2012, 29, 344-352.	2.8	15
27	Concise Review: Fabrication, Customization, and Application of Cell Mimicking Microparticles in Stem Cell Science. <i>Stem Cells Translational Medicine</i> , 2018, 7, 232-240.	3.3	15
28	Cell Mimicking Microparticles Influence the Organization, Growth, and Mechanophenotype of Stem Cell Spheroids. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1146-1159.	2.5	14
29	Time-dependent mucoadhesion of conjugated bioadhesive polymers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 454-469.	5.0	12
30	A novel wet extrusion technique to fabricate self-assembled microfiber scaffolds for controlled drug delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2793-2802.	4.0	11
31	(Trimethylsilyl)ethoxyacetylene as a Dehydrating Agent for Polyanhydride Synthesis. <i>Macromolecules</i> , 2007, 40, 7748-7751.	4.8	7
32	Drug Delivery Systems. <i>Toxicologic Pathology</i> , 2008, 36, 16-20.	1.8	7
33	Single Step Double-walled Nanoencapsulation (SSDN). <i>Journal of Controlled Release</i> , 2018, 280, 11-19.	9.9	7
34	Advances in Drug Delivery and Theranostics. <i>Advanced Functional Materials</i> , 2021, 31, 2108838.	14.9	6
35	A Novel Mechanism for Spontaneous Encapsulation of Active Agents: Phase Inversion Nanoencapsulation. <i>ACS Symposium Series</i> , 2004, , 214-223.	0.5	5
36	The characterization and quantification of the induced mesophases of poly-L-lactic acid. <i>Polymer</i> , 2021, 226, 123822.	3.8	5

#	ARTICLE	IF	CITATIONS
37	Biocoatingâ€”A Critical Step Governing the Oral Delivery of Polymeric Nanoparticles. <i>Small</i> , 2022, 18, .	10.0	5
38	Interspecies Uptake of Polymeric Microspheres. <i>Materials Research Society Symposia Proceedings</i> , 1998, 550, 65.	0.1	4
39	Effect of pressure on poly-L-Lactic Acid morphology. <i>Polymer</i> , 2016, 99, 250-262.	3.8	4
40	Oral encapsulated transforming growth factor $\beta$ 1 reduces endogenous levels: Effect on inflammatory bowel disease. <i>World Journal of Gastrointestinal Pharmacology and Therapeutics</i> , 2020, 11, 79-92.	1.1	4
41	Attachment of Mucin Specific Lectins to Alginate for Use as Bioadhesives. <i>Materials Research Society Symposia Proceedings</i> , 1993, 331, 67.	0.1	2
42	Acyl chlorideâ€”facilitated condensation polymerization for the synthesis of heatâ€”sensitive poly(anhydrideâ€”ester)s. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5899-5915.	2.3	1
43	Characterization of soluble, saltâ€”loaded, degradable PLGA films and their release of tetracycline. <i>Journal of Biomedical Materials Research Part B</i> , 1998, 41, 18-29.	3.1	1
44	In vitro and in vivo analysis of antide delivery from multi-phase microspheres fabricated via solvent removal. <i>Israel Journal of Chemistry</i> , 2005, 45, 445-456.	2.3	0