

# Eric M Bachelder

## List of Publications by Year in descending order

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68  
papers

3,325  
citations

147566

31  
h-index

149479

56  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Delivery strategies for cancer vaccines and immunoadjuvants. , 2022, , 359-408.		1
2	Nano/microparticle Formulations for Universal Influenza Vaccines. AAPS Journal, 2022, 24, 24.	2.2	4
3	Development of an Intranasal Gel for the Delivery of a Broadly Acting Subunit Influenza Vaccine. ACS Biomaterials Science and Engineering, 2022, 8, 1573-1582.	2.6	8
4	STING agonist-containing microparticles improve seasonal influenza vaccine efficacy and durability in ferrets over standard adjuvant. Journal of Controlled Release, 2022, 347, 356-368.	4.8	13
5	Metal-Organic Coordination Polymer for Delivery of a Subunit Broadly Acting Influenza Vaccine. ACS Applied Materials & Interfaces, 2022, 14, 28548-28558.	4.0	15
6	Nano- and Microformulations to Advance Therapies for Visceral Leishmaniasis. ACS Biomaterials Science and Engineering, 2021, 7, 1725-1741.	2.6	14
7	Vaccine formulations in clinical development for the prevention of severe acute respiratory syndrome coronavirus 2 infection. Advanced Drug Delivery Reviews, 2021, 169, 168-189.	6.6	62
8	Merozoite surface protein 2 adsorbed onto acetalated dextran microparticles for malaria vaccination. International Journal of Pharmaceutics, 2021, 593, 120168.	2.6	11
9	Considerations for Size, Surface Charge, Polymer Degradation, Co-Delivery, and Manufacturability in the Development of Polymeric Particle Vaccines for Infectious Diseases. Advanced NanoBiomed Research, 2021, 1, 2000041.	1.7	37
10	STING Agonist Mitigates Experimental Autoimmune Encephalomyelitis by Stimulating Type I IFN-Dependent and -Independent Immune-Regulatory Pathways. Journal of Immunology, 2021, 206, 2015-2028.	0.4	18
11	Historical Perspective of Clinical Nano and Microparticle Formulations for Delivery of Therapeutics. Trends in Molecular Medicine, 2021, 27, 516-519.	3.5	17
12	Dexamethasone and Fumaric Acid Ester Conjugate Synergistically Inhibits Inflammation and NF- $\kappa$ B in Macrophages. Bioconjugate Chemistry, 2021, 32, 1629-1640.	1.8	8
13	Overcoming reduced antibiotic susceptibility in intracellular <i>Salmonella enterica</i> serovar Typhimurium using AR-12. FEMS Microbiology Letters, 2021, 368, .	0.7	1
14	Design of Biopolymer-Based Interstitial Therapies for the Treatment of Glioblastoma. International Journal of Molecular Sciences, 2021, 22, 13160.	1.8	17
15	Injectable, Ribbon-Like Microconfetti Biopolymer Platform for Vaccine Applications. ACS Applied Materials & Interfaces, 2020, 12, 38950-38961.	4.0	10
16	Polymeric Biomaterial Scaffolds for Tumoricidal Stem Cell Glioblastoma Therapy. ACS Biomaterials Science and Engineering, 2020, 6, 3762-3777.	2.6	14
17	Glycolipid-mediated basophil activation in alpha-gal allergy. Journal of Allergy and Clinical Immunology, 2020, 146, 450-452.	1.5	27
18	Formulation of host-targeted therapeutics against bacterial infections. Translational Research, 2020, 220, 98-113.	2.2	11

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19	Synergistic drug combinations for a precision medicine approach to interstitial glioblastoma therapy. <i>Journal of Controlled Release</i> , 2020, 323, 282-292.	4.8	28
20	Impact of composite scaffold degradation rate on neural stem cell persistence in the glioblastoma surgical resection cavity. <i>Materials Science and Engineering C</i> , 2020, 111, 110846.	3.8	8
21	Tumor Responsive and Tunable Polymeric Platform for Optimized Delivery of Paclitaxel to Treat Glioblastoma. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19345-19356.	4.0	32
22	Oxidation-Sensitive Dextran-Based Polymer with Improved Processability through Stable Boronic Ester Groups. <i>ACS Applied Bio Materials</i> , 2019, 2, 3755-3762.	2.3	8
23	Electrospray for generation of drug delivery and vaccine particles applied in vitro and in vivo. <i>Materials Science and Engineering C</i> , 2019, 105, 110070.	3.8	57
24	Evaluation of synergy between host and pathogen-directed therapies against intracellular <i>Leishmania donovani</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 10, 125-132.	1.4	12
25	A microparticle platform for STING-targeted immunotherapy enhances natural killer cell- and CD8+ T cell-mediated anti-tumor immunity. <i>Biomaterials</i> , 2019, 205, 94-105.	5.7	67
26	Drug Delivery for Cancer Immunotherapy and Vaccines. <i>Pharmaceutical Nanotechnology</i> , 2019, 6, 232-244.	0.6	18
27	Tunable degradation of acetalated dextran microparticles enables controlled vaccine adjuvant and antigen delivery to modulate adaptive immune responses. <i>Journal of Controlled Release</i> , 2018, 273, 147-159.	4.8	61
28	Sustained Delivery of Doxorubicin via Acetalated Dextran Scaffold Prevents Glioblastoma Recurrence after Surgical Resection. <i>Molecular Pharmaceutics</i> , 2018, 15, 1309-1318.	2.3	38
29	A robust microparticle platform for a STING-targeted adjuvant that enhances both humoral and cellular immunity during vaccination. <i>Journal of Controlled Release</i> , 2018, 270, 1-13.	4.8	119
30	A nanoparticle-incorporated STING activator enhances antitumor immunity in PD-L1 <sup>hi</sup> insensitive models of triple-negative breast cancer. <i>JCI Insight</i> , 2018, 3, .	2.3	175
31	Investigation of tunable acetalated dextran microparticle platform to optimize M2e-based influenza vaccine efficacy. <i>Journal of Controlled Release</i> , 2018, 289, 114-124.	4.8	57
32	Acetalated Dextran Microparticles for Codelivery of STING and TLR7/8 Agonists. <i>Molecular Pharmaceutics</i> , 2018, 15, 4933-4946.	2.3	64
33	Injectable long-acting human immunodeficiency virus antiretroviral prodrugs with improved pharmacokinetic profiles. <i>International Journal of Pharmaceutics</i> , 2018, 552, 371-377.	2.6	7
34	In Vivo and Cellular Trafficking of Acetalated Dextran Microparticles for Delivery of a Host-Directed Therapy for <i>Salmonella enterica</i> Serovar Typhi Infection. <i>Molecular Pharmaceutics</i> , 2018, 15, 5336-5348.	2.3	16
35	Prevention of Type 1 Diabetes with Acetalated Dextran Microparticles Containing Rapamycin and Pancreatic Peptide P31. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800341.	3.9	24
36	PRMT5-Selective Inhibitors Suppress Inflammatory T Cell Responses and Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2017, 198, 1439-1451.	0.4	57

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37	Co-Delivery of Disease Associated Peptide and Rapamycin via Acetalated Dextran Microparticles for Treatment of Multiple Sclerosis. <i>Advanced Biology</i> , 2017, 1, 1700022.	3.0	18
38	Electrosprayed Myocet-like Liposomes: An Alternative to Traditional Liposome Production. <i>Pharmaceutical Research</i> , 2017, 34, 419-426.	1.7	22
39	Acetalated Dextran: A Tunable and Acid-Labile Biopolymer with Facile Synthesis and a Range of Applications. <i>Chemical Reviews</i> , 2017, 117, 1915-1926.	23.0	113
40	Microparticles formulated from a family of novel silylated polysaccharides demonstrate inherent immunostimulatory properties and tunable hydrolytic degradability. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4302-4312.	2.9	5
41	Saquinavir Loaded Acetalated Dextran Microconfetti – a Long Acting Protease Inhibitor Injectable. <i>Pharmaceutical Research</i> , 2016, 33, 1998-2009.	1.7	12
42	Acetalated Dextran Microparticulate Vaccine Formulated via Coaxial Electro Spray Preserves Toxin Neutralization and Enhances Murine Survival Following Inhalational <i>Bacillus Anthracis</i> Exposure. <i>Advanced Healthcare Materials</i> , 2016, 5, 2617-2627.	3.9	42
43	Degradation of acetalated dextran can be broadly tuned based on cyclic acetal coverage and molecular weight. <i>International Journal of Pharmaceutics</i> , 2016, 512, 147-157.	2.6	37
44	Needle-Free Delivery of Acetalated Dextran-Encapsulated AR-12 Protects Mice from <i>Francisella tularensis</i> Lethal Challenge. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2052-2062.	1.4	18
45	One Step Encapsulation of Small Molecule Drugs in Liposomes via Electro spray-Remote Loading. <i>Molecular Pharmaceutics</i> , 2016, 13, 92-99.	2.3	26
46	Chemically modified inulin microparticles serving dual function as a protein antigen delivery vehicle and immunostimulatory adjuvant. <i>Biomaterials Science</i> , 2016, 4, 483-493.	2.6	22
47	A Novel Sterol Isolated from a Plant Used by Mayan Traditional Healers Is Effective in Treatment of Visceral Leishmaniasis Caused by <i>Leishmania donovani</i> . <i>ACS Infectious Diseases</i> , 2015, 1, 497-506.	1.8	18
48	Micro- and Nano-particulate Strategies for Antigen Specific Immune Tolerance to Treat Autoimmune Diseases. <i>Pharmaceutical Nanotechnology</i> , 2015, 3, 85-100.	0.6	5
49	Acetalated dextran encapsulated AR-12 as a host-directed therapy to control <i>Salmonella</i> infection. <i>International Journal of Pharmaceutics</i> , 2014, 477, 334-343.	2.6	29
50	Liposomal resiquimod for the treatment of <i>Leishmania donovani</i> infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 168-175.	1.3	37
51	Treatment of Experimental Autoimmune Encephalomyelitis by Codelivery of Disease Associated Peptide and Dexamethasone in Acetalated Dextran Microparticles. <i>Molecular Pharmaceutics</i> , 2014, 11, 828-835.	2.3	57
52	Electrospray Encapsulation of Toll-Like Receptor Agonist Resiquimod in Polymer Microparticles for the Treatment of Visceral Leishmaniasis. <i>Molecular Pharmaceutics</i> , 2013, 10, 1045-1055.	2.3	72
53	Delivery of host cell-directed therapeutics for intracellular pathogen clearance. <i>Expert Review of Anti-Infective Therapy</i> , 2013, 11, 1225-1235.	2.0	22
54	Rapid Vaccination Using an Acetalated Dextran Microparticulate Subunit Vaccine Confers Protection Against Triplicate Challenge by <i>Bacillus Anthracis</i> . <i>Pharmaceutical Research</i> , 2013, 30, 1349-1361.	1.7	30

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55	Electrospun Acetalated Dextran Scaffolds for Temporal Release of Therapeutics. <i>Langmuir</i> , 2013, 29, 7957-7965.	1.6	29
56	Efficient Delivery of the Toll-like Receptor Agonists Polyinosinic:Polycytidylic Acid and CpG to Macrophages by Acetalated Dextran Microparticles. <i>Molecular Pharmaceutics</i> , 2013, 10, 2849-2857.	2.3	48
57	Synthesis and Characterization of Acetalated Dextran Polymer and Microparticles with Ethanol as a Degradation Product. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4149-4155.	4.0	78
58	Synthesis, Optimization, and Characterization of Camptothecin-Loaded Acetalated Dextran Porous Microparticles for Pulmonary Delivery. <i>Molecular Pharmaceutics</i> , 2012, 9, 290-298.	2.3	61
59	Optimization of rapamycin-loaded acetalated dextran microparticles for immunosuppression. <i>International Journal of Pharmaceutics</i> , 2012, 422, 356-363.	2.6	55
60	Enhanced stability of horseradish peroxidase encapsulated in acetalated dextran microparticles stored outside cold chain conditions. <i>International Journal of Pharmaceutics</i> , 2012, 431, 101-110.	2.6	50
61	Acetal-Modified Dextran Microparticles with Controlled Degradation Kinetics and Surface Functionality for Gene Delivery in Phagocytic and Non-Phagocytic Cells. <i>Advanced Materials</i> , 2010, 22, 3593-3597.	11.1	101
62	In Vitro Analysis of Acetalated Dextran Microparticles as a Potent Delivery Platform for Vaccine Adjuvants. <i>Molecular Pharmaceutics</i> , 2010, 7, 826-835.	2.3	118
63	Acetalated dextran is a chemically and biologically tunable material for particulate immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5497-5502.	3.3	259
64	Chemoselective Ligation in the Functionalization of Polysaccharide-Based Particles. <i>Journal of the American Chemical Society</i> , 2009, 131, 10360-10361.	6.6	64
65	Fully Acid-Degradable Biocompatible Polyacetal Microparticles for Drug Delivery. <i>Bioconjugate Chemistry</i> , 2008, 19, 911-919.	1.8	160
66	Acid-Degradable Polyurethane Particles for Protein-Based Vaccines: Biological Evaluation and in Vitro Analysis of Particle Degradation Products. <i>Molecular Pharmaceutics</i> , 2008, 5, 876-884.	2.3	49
67	Acetal-Derivatized Dextran: An Acid-Responsive Biodegradable Material for Therapeutic Applications. <i>Journal of the American Chemical Society</i> , 2008, 130, 10494-10495.	6.6	403
68	'Educated' dendritic cells act as messengers from memory to naive T helper cells. <i>Nature Immunology</i> , 2004, 5, 615-622.	7.0	129