

Aaron C Anselmo

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

9,988
citations

94433

37
h-index

128289

60
g-index

69
all docs

69
docs citations

69
times ranked

14751
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery and delivery strategies for engineered live biotherapeutic products. Trends in Biotechnology, 2022, 40, 354-369.	9.3	23
2	Viral <sc>vector-based</sc> gene therapies in the clinic. Bioengineering and Translational Medicine, 2022, 7, e10258.	7.1	97
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.	5.2	8
4	Batch Culture Formulation of Live Biotherapeutic Products. Advanced Therapeutics, 2021, 4, 2000226.	3.2	3
5	Cell therapies in the clinic. Bioengineering and Translational Medicine, 2021, 6, e10214.	7.1	68
6	The evolution of commercial drug delivery technologies. Nature Biomedical Engineering, 2021, 5, 951-967.	22.5	539
7	Polymer and Crosslinker Content Influences Performance of Encapsulated Live Biotherapeutic Products. Cellular and Molecular Bioengineering, 2021, 14, 487-499.	2.1	4
8	<sc>BioTM</sc> Buzz (Volume 6, Issue 2). Bioengineering and Translational Medicine, 2021, 6, e10224.	7.1	0
9	Modulating Oral Delivery and Gastrointestinal Kinetics of Recombinant Proteins via Engineered Fungi. AAPS Journal, 2021, 23, 76.	4.4	6
10	Nanoparticles in the clinic: An update post <sc>COVID</sc>-19 vaccines. Bioengineering and Translational Medicine, 2021, 6, e10246.	7.1	173
11	Enhanced Storage of Anaerobic Bacteria through Polymeric Encapsulation. ACS Applied Materials & Interfaces, 2021, 13, 46282-46290.	8.0	2
12	<sc>BioTM</sc> Buzz (Volume 6, Issue 1). Bioengineering and Translational Medicine, 2021, 6, e10210.	7.1	0
13	Live Biotherapeutic Products and Probiotics for the Skin. Advanced NanoBiomed Research, 2021, 1, 2100118.	3.6	8
14	<sc>BioTM</sc> Buzz (Volume 5, Issue 3): The Future is Bright. Bioengineering and Translational Medicine, 2020, 5, e10185.	7.1	2
15	Surface Modifications for Improved Delivery and Function of Therapeutic Bacteria. Small, 2020, 16, e2001705.	10.0	30
16	Coupled influences of particle shape, surface property and flow hydrodynamics on rod-shaped colloid transport in porous media. Journal of Colloid and Interface Science, 2020, 577, 471-480.	9.4	35
17	<sc>BioTM</sc> buzz (volume 5, issue 2). Bioengineering and Translational Medicine, 2020, 5, e10164.	7.1	0
18	Hydrogels in the clinic. Bioengineering and Translational Medicine, 2020, 5, e10158.	7.1	244

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19	BioTM Buzz Volume 5, Issue 1. Bioengineering and Translational Medicine, 2020, 5, e10156.	7.1	0
20	Polymeric Films for the Encapsulation, Storage, and Tunable Release of Therapeutic Microbes. Advanced Healthcare Materials, 2020, 9, e1901643.	7.6	12
21	Evaluation of Surface Modified Live Biotherapeutic Products for Oral Delivery. ACS Biomaterials Science and Engineering, 2020, , .	5.2	4
22	A heat-stable microparticle platform for oral micronutrient delivery. Science Translational Medicine, 2019, 11, .	12.4	20
23	Nanoparticles in the clinic: An update. Bioengineering and Translational Medicine, 2019, 4, e10143.	7.1	1,073
24	BioTM Buzz (Volume 4, Issue 1). Bioengineering and Translational Medicine, 2019, 4, 3-4.	7.1	24
25	BioTM Buzz Volume 4, Issue 2. Bioengineering and Translational Medicine, 2019, 4, e10135.	7.1	0
26	BioTM Buzz Volume 4, Issue 3. Bioengineering and Translational Medicine, 2019, 4, e10144.	7.1	0
27	Nanotechnology intervention of the microbiome for cancer therapy. Nature Nanotechnology, 2019, 14, 1093-1103.	31.5	151
28	Non-invasive delivery strategies for biologics. Nature Reviews Drug Discovery, 2019, 18, 19-40.	46.4	397
29	Controlling the Growth of Staphylococcus epidermidis by Layer-By-Layer Encapsulation. ACS Applied Materials & Interfaces, 2018, 10, 16250-16259.	8.0	23
30	BioTM Buzz (Volume 3, Issue 1). Bioengineering and Translational Medicine, 2018, 3, 3-3.	7.1	1
31	Nanoparticle Properties Modulate Their Attachment and Effect on Carrier Red Blood Cells. Scientific Reports, 2018, 8, 1615.	3.3	83
32	BioTM Buzz (Volume 3, Issue 3). Bioengineering and Translational Medicine, 2018, 3, 181-181.	7.1	0
33	Inorganic nanoparticles and the microbiome. Nano Research, 2018, 11, 4936-4954.	10.4	46
34	BioTM Buzz (Volume 3, Issue 2). Bioengineering and Translational Medicine, 2018, 3, 74-74.	7.1	0
35	Clinical translation of microbe-based therapies: Current clinical landscape and preclinical outlook. Bioengineering and Translational Medicine, 2018, 3, 124-137.	7.1	44
36	Impact of particle elasticity on particle-based drug delivery systems. Advanced Drug Delivery Reviews, 2017, 108, 51-67.	13.7	302

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37	Clinical and commercial translation of advanced polymeric nanoparticle systems: opportunities and material challenges. <i>Translational Materials Research</i> , 2017, 4, 014001.	1.2	23
38	Bypassing adverse injection reactions to nanoparticles through shape modification and attachment to erythrocytes. <i>Nature Nanotechnology</i> , 2017, 12, 589-594.	31.5	154
39	Fabrication of fillable microparticles and other complex 3D microstructures. <i>Science</i> , 2017, 357, 1138-1142.	12.6	163
40	BioTM buzz. <i>Bioengineering and Translational Medicine</i> , 2017, 2, 235-235.	7.1	0
41	A chemical engineering perspective of nanoparticle-based targeted drug delivery: A unit process approach. <i>AIChE Journal</i> , 2016, 62, 966-974.	3.6	8
42	Red blood cells: Supercarriers for drugs, biologicals, and nanoparticles and inspiration for advanced delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 88-103.	13.7	273
43	Layer-by-Layer Encapsulation of Probiotics for Delivery to the Microbiome. <i>Advanced Materials</i> , 2016, 28, 9486-9490.	21.0	239
44	Nanoparticles in the clinic. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 10-29.	7.1	1,003
45	Delivery of Exenatide and Insulin Using Mucoadhesive Intestinal Devices. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1993-2007.	2.5	44
46	High Throughput Layer-by-Layer Films for Extracting Film Forming Parameters and Modulating Film Interactions with Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2255-2261.	8.0	18
47	Non-affinity factors modulating vascular targeting of nano- and microcarriers. <i>Advanced Drug Delivery Reviews</i> , 2016, 99, 97-112.	13.7	65
48	The Effect of Polymeric Nanoparticles on Biocompatibility of Carrier Red Blood Cells. <i>PLoS ONE</i> , 2016, 11, e0152074.	2.5	90
49	Topical delivery of Cyclosporine A into the skin using SPACE-peptide. <i>Journal of Controlled Release</i> , 2015, 199, 190-197.	9.9	37
50	Elasticity of Nanoparticles Influences Their Blood Circulation, Phagocytosis, Endocytosis, and Targeting. <i>ACS Nano</i> , 2015, 9, 3169-3177.	14.6	470
51	Exploiting shape, cellular-hitchhiking and antibodies to target nanoparticles to lung endothelium: Synergy between physical, chemical and biological approaches. <i>Biomaterials</i> , 2015, 68, 1-8.	11.4	76
52	Enhanced epidermal localization of topically applied steroids using SPACE peptide. <i>Drug Delivery and Translational Research</i> , 2015, 5, 523-530.	5.8	5
53	A Review of Clinical Translation of Inorganic Nanoparticles. <i>AAPS Journal</i> , 2015, 17, 1041-1054.	4.4	392
54	Synergistic antitumor activity of camptothecin-doxorubicin combinations and their conjugates with hyaluronic acid. <i>Journal of Controlled Release</i> , 2015, 210, 198-207.	9.9	89

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55	Shape and size-dependent immune response to antigen-carrying nanoparticles. <i>Journal of Controlled Release</i> , 2015, 220, 141-148.	9.9	235
56	Monocyte-mediated delivery of polymeric backpacks to inflamed tissues: a generalized strategy to deliver drugs to treat inflammation. <i>Journal of Controlled Release</i> , 2015, 199, 29-36.	9.9	130
57	An overview of clinical and commercial impact of drug delivery systems. <i>Journal of Controlled Release</i> , 2014, 190, 15-28.	9.9	379
58	Cell-mediated delivery of nanoparticles: Taking advantage of circulatory cells to target nanoparticles. <i>Journal of Controlled Release</i> , 2014, 190, 531-541.	9.9	231
59	Vascular Targeting of Nanocarriers: Perplexing Aspects of the Seemingly Straightforward Paradigm. <i>ACS Nano</i> , 2014, 8, 4100-4132.	14.6	154
60	MoS ₂ Field-Effect Transistor for Next-Generation Label-Free Biosensors. <i>ACS Nano</i> , 2014, 8, 3992-4003.	14.6	870
61	Platelet-like Nanoparticles: Mimicking Shape, Flexibility, and Surface Biology of Platelets To Target Vascular Injuries. <i>ACS Nano</i> , 2014, 8, 11243-11253.	14.6	284
62	Topical delivery of siRNA into skin using SPACE-peptide carriers. <i>Journal of Controlled Release</i> , 2014, 179, 33-41.	9.9	91
63	Topical delivery of hyaluronic acid into skin using SPACE-peptide carriers. <i>Journal of Controlled Release</i> , 2014, 173, 67-74.	9.9	100
64	Mucoadhesive intestinal devices for oral delivery of salmon calcitonin. <i>Journal of Controlled Release</i> , 2013, 172, 753-762.	9.9	69
65	Delivering Nanoparticles to Lungs while Avoiding Liver and Spleen through Adsorption on Red Blood Cells. <i>ACS Nano</i> , 2013, 7, 11129-11137.	14.6	276
66	Using shape effects to target antibody-coated nanoparticles to lung and brain endothelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10753-10758.	7.1	554
67	Synthesis of Protein-Based, Rod-Shaped Particles from Spherical Templates using Layer-by-Layer Assembly. <i>Advanced Materials</i> , 2013, 25, 2723-2727.	21.0	39
68	Site-specific structural analysis of a yeast prion strain with species-specific seeding activity. <i>Prion</i> , 2011, 5, 208-210.	1.8	3