Aaron C Anselmo

List of Publications by Year
in descending order

68	9,988	94433 37	128289 60
papers	citations	h-index	g-index

69	69	69	14751
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoparticles in the clinic: An update. Bioengineering and Translational Medicine, 2019, 4, e10143.	7.1	1,073
2	Nanoparticles in the clinic. Bioengineering and Translational Medicine, 2016, 1, 10-29.	7.1	1,003
3	MoS₂ Field-Effect Transistor for Next-Generation Label-Free Biosensors. ACS Nano, 2014, 8, 3992-4003.	14.6	870
4	Using shape effects to target antibody-coated nanoparticles to lung and brain endothelium. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10753-10758.	7.1	554
5	The evolution of commercial drug delivery technologies. Nature Biomedical Engineering, 2021, 5, 951-967.	22.5	539
6	Elasticity of Nanoparticles Influences Their Blood Circulation, Phagocytosis, Endocytosis, and Targeting. ACS Nano, 2015, 9, 3169-3177.	14.6	470
7	Non-invasive delivery strategies for biologics. Nature Reviews Drug Discovery, 2019, 18, 19-40.	46.4	397
8	A Review of Clinical Translation of Inorganic Nanoparticles. AAPS Journal, 2015, 17, 1041-1054.	4.4	392
9	An overview of clinical and commercial impact of drug delivery systems. Journal of Controlled Release, 2014, 190, 15-28.	9.9	379
10	Impact of particle elasticity on particle-based drug delivery systems. Advanced Drug Delivery Reviews, 2017, 108, 51-67.	13.7	302
11	Platelet-like Nanoparticles: Mimicking Shape, Flexibility, and Surface Biology of Platelets To Target Vascular Injuries. ACS Nano, 2014, 8, 11243-11253.	14.6	284
12	Delivering Nanoparticles to Lungs while Avoiding Liver and Spleen through Adsorption on Red Blood Cells. ACS Nano, 2013, 7, 11129-11137.	14.6	276
13	Red blood cells: Supercarriers for drugs, biologicals, and nanoparticles and inspiration for advanced delivery systems. Advanced Drug Delivery Reviews, 2016, 106, 88-103.	13.7	273
14	Hydrogels in the clinic. Bioengineering and Translational Medicine, 2020, 5, e10158.	7.1	244
15	Layerâ€byâ€Layer Encapsulation of Probiotics for Delivery to the Microbiome. Advanced Materials, 2016, 28, 9486-9490.	21.0	239
16	Shape and size-dependent immune response to antigen-carrying nanoparticles. Journal of Controlled Release, 2015, 220, 141-148.	9.9	235
17	Cell-mediated delivery of nanoparticles: Taking advantage of circulatory cells to target nanoparticles. Journal of Controlled Release, 2014, 190, 531-541.	9.9	231
18	Nanoparticles in the clinic: An update post <scp>COVID</scp>â€19 vaccines. Bioengineering and Translational Medicine, 2021, 6, e10246.	7.1	173

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19	Fabrication of fillable microparticles and other complex 3D microstructures. Science, 2017, 357, 1138-1142.	12.6	163
20	Vascular Targeting of Nanocarriers: Perplexing Aspects of the Seemingly Straightforward Paradigm. ACS Nano, 2014, 8, 4100-4132.	14.6	154
21	Bypassing adverse injection reactions to nanoparticles through shape modification and attachment to erythrocytes. Nature Nanotechnology, 2017, 12, 589-594.	31.5	154
22	Nanotechnology intervention of the microbiome for cancer therapy. Nature Nanotechnology, 2019, 14, 1093-1103.	31.5	151
23	Monocyte-mediated delivery of polymeric backpacks to inflamed tissues: a generalized strategy to deliver drugs to treat inflammation. Journal of Controlled Release, 2015, 199, 29-36.	9.9	130
24	Topical delivery of hyaluronic acid into skin using SPACE-peptide carriers. Journal of Controlled Release, 2014, 173, 67-74.	9.9	100
25	Viral <scp>vectorâ€based</scp> gene therapies in the clinic. Bioengineering and Translational Medicine, 2022, 7, e10258.	7.1	97
26	Topical delivery of siRNA into skin using SPACE-peptide carriers. Journal of Controlled Release, 2014, 179, 33-41.	9.9	91
27	The Effect of Polymeric Nanoparticles on Biocompatibility of Carrier Red Blood Cells. PLoS ONE, 2016, 11, e0152074.	2.5	90
28	Synergistic antitumor activity of camptothecinâ€“doxorubicin combinations and their conjugates with hyaluronic acid. Journal of Controlled Release, 2015, 210, 198-207.	9.9	89
29	Nanoparticle Properties Modulate Their Attachment and Effect on Carrier Red Blood Cells. Scientific Reports, 2018, 8, 1615.	3.3	83
30	Exploiting shape, cellular-hitchhiking and antibodies to target nanoparticles to lung endothelium: Synergy between physical, chemical and biological approaches. Biomaterials, 2015, 68, 1-8.	11.4	76
31	Mucoadhesive intestinal devices for oral delivery of salmon calcitonin. Journal of Controlled Release, 2013, 172, 753-762.	9.9	69
32	Cell therapies in the clinic. Bioengineering and Translational Medicine, 2021, 6, e10214.	7.1	68
33	Non-affinity factors modulating vascular targeting of nano- and microcarriers. Advanced Drug Delivery Reviews, 2016, 99, 97-112.	13.7	65
34	Inorganic nanoparticles and the microbiome. Nano Research, 2018, 11, 4936-4954.	10.4	46
35	Delivery of Exenatide and Insulin Using Mucoadhesive Intestinal Devices. Annals of Biomedical Engineering, 2016, 44, 1993-2007.	2.5	44
36	Clinical translation of microbeâ€based therapies: Current clinical landscape and preclinical outlook. Bioengineering and Translational Medicine, 2018, 3, 124-137.	7.1	44

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37	Synthesis of Proteinâ€Based, Rodâ€Shaped Particles from Spherical Templates using Layerâ€byâ€Layer Assembly. Advanced Materials, 2013, 25, 2723-2727.	21.0	39
38	Topical delivery of Cyclosporine A into the skin using SPACE-peptide. Journal of Controlled Release, 2015, 199, 190-197.	9.9	37
39	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
40	Surface Modifications for Improved Delivery and Function of Therapeutic Bacteria. Small, 2020, 16, e2001705.	10.0	30
41	BioTM Buzz (Volume 4, Issue 1). Bioengineering and Translational Medicine, 2019, 4, 3-4.	7.1	24
42	Clinical and commercial translation of advanced polymeric nanoparticle systems: opportunities and material challenges. Translational Materials Research, 2017, 4, 014001.	1.2	23
43	Controlling the Growth of Staphylococcus epidermidis by Layer-By-Layer Encapsulation. ACS Applied Materials & Interfaces, 2018, 10, 16250-16259.	8.0	23
44	Discovery and delivery strategies for engineered live biotherapeutic products. Trends in Biotechnology, 2022, 40, 354-369.	9.3	23
45	A heat-stable microparticle platform for oral micronutrient delivery. Science Translational Medicine, 2019, 11, .	12.4	20
46	High Throughput Layer-by-Layer Films for Extracting Film Forming Parameters and Modulating Film Interactions with Cells. ACS Applied Materials & Interfaces, 2016, 8, 2255-2261.	8.0	18
47	Polymeric Films for the Encapsulation, Storage, and Tunable Release of Therapeutic Microbes. Advanced Healthcare Materials, 2020, 9, e1901643.	7.6	12
48	A chemical engineering perspective of nanoparticleâ€based targeted drug delivery: A unit process approach. AICHE Journal, 2016, 62, 966-974.	3.6	8
49	Live Biotherapeutic Products and Probiotics for the Skin. Advanced NanoBiomed Research, 2021, 1, 2100118.	3.6	8
50	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
51	Modulating Oral Delivery and Gastrointestinal Kinetics of Recombinant Proteins via Engineered Fungi. AAPS Journal, 2021, 23, 76.	4.4	6
52	Enhanced epidermal localization of topically applied steroids using SPACEâ„¢ peptide. Drug Delivery and Translational Research, 2015, 5, 523-530.	5.8	5
53	Polymer and Crosslinker Content Influences Performance of Encapsulated Live Biotherapeutic Products. Cellular and Molecular Bioengineering, 2021, 14, 487-499.	2.1	4
54	Evaluation of Surface Modified Live Biotherapeutic Products for Oral Delivery. ACS Biomaterials Science and Engineering, 2020, , .	5.2	4

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55	Site-specific structural analysis of a yeast prion strain with species-specific seeding activity. Prion, 2011, 5, 208-210.	1.8	3
56	Batch Culture Formulation of Live Biotherapeutic Products. Advanced Therapeutics, 2021, 4, 2000226.	3.2	3
57	<scp>BioTM</scp> Buzz (Volume 5, Issue 3): The Future is Bright. Bioengineering and Translational Medicine, 2020, 5, e10185.	7.1	2
58	Enhanced Storage of Anaerobic Bacteria through Polymeric Encapsulation. ACS Applied Materials & Interfaces, 2021, 13, 46282-46290.	8.0	2
59	BioTM Buzz (Volume 3, Issue 1). Bioengineering and Translational Medicine, 2018, 3, 3-3.	7.1	1
60	BioTM buzz. Bioengineering and Translational Medicine, 2017, 2, 235-235.	7.1	0
61	BioTM Buzz (Volume 3, Issue 3). Bioengineering and Translational Medicine, 2018, 3, 181-181.	7.1	0
62	BioTM Buzz (Volume 3, Issue 2). Bioengineering and Translational Medicine, 2018, 3, 74-74.	7.1	0
63	BioTM Buzz Volume 4, Issue 2. Bioengineering and Translational Medicine, 2019, 4, e10135.	7.1	0
64	BioTM Buzz Volume 4, Issue 3. Bioengineering and Translational Medicine, 2019, 4, e10144.	7.1	0
65	<scp>BioTM</scp> buzz (volume 5, issue 2). Bioengineering and Translational Medicine, 2020, 5, e10164.	7.1	0
66	BioTM Buzz Volume 5, Issue 1. Bioengineering and Translational Medicine, 2020, 5, e10156.	7.1	0
67	<scp>BioTM</scp> Buzz (Volume 6, Issue 2). Bioengineering and Translational Medicine, 2021, 6, e10224.	7.1	0
68	<scp>BioTM</scp> Buzz (Volume 6, Issue 1). Bioengineering and Translational Medicine, 2021, 6, e10210.	7.1	0