

Mattias Björnholm

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

5,427
citations

172386

29
h-index

206029

48
g-index

53
all docs

53
docs citations

53
times ranked

8956
citing authors

#	ARTICLE	IF	CITATIONS
1	Game over: empower early career researchers to improve research quality. Insights: the UKSG Journal, 2021, 34, .	0.1	0
2	Self-Assembly of a Metal-Phenolic Sorbent for Broad-Spectrum Metal Sequestration. ACS Applied Materials & Interfaces, 2020, 12, 3746-3754.	4.0	36
3	A few clarifications on MIRIBEL. Nature Nanotechnology, 2020, 15, 2-3.	15.6	15
4	Engineering Biocoatings To Prolong Drug Release from Supraparticles. Biomacromolecules, 2019, 20, 3425-3434.	2.6	20
5	Ricocheting Droplets Moving on Super-Repellent Surfaces. Advanced Science, 2019, 6, 1901846.	5.6	20
6	Ligand-Functionalized Poly(ethylene glycol) Particles for Tumor Targeting and Intracellular Uptake. Biomacromolecules, 2019, 20, 3592-3600.	2.6	31
7	Revisiting cell-particle association in vitro: A quantitative method to compare particle performance. Journal of Controlled Release, 2019, 307, 355-367.	4.8	23
8	<i>In vivo</i> biocompatibility and immunogenicity of metal-phenolic gelation. Chemical Science, 2019, 10, 10179-10194.	3.7	24
9	Physical stimuli-responsive vesicles in drug delivery: Beyond liposomes and polymersomes. Advanced Drug Delivery Reviews, 2019, 138, 259-275.	6.6	146
10	Particle Targeting: Particle Targeting in Complex Biological Media (Adv. Healthcare Mater. 1/2018). Advanced Healthcare Materials, 2018, 7, 1870004.	3.9	2
11	Multiligand Metal-Phenolic Assembly from Green Tea Infusions. ACS Applied Materials & Interfaces, 2018, 10, 7632-7639.	4.0	60
12	Robuste Chemie: die Bedeutung des Teilens von Daten und Methoden. Angewandte Chemie, 2018, 130, 1136-1137.	1.6	4
13	Robust Chemistry: The Importance of Data and Methods Sharing. Angewandte Chemie - International Edition, 2018, 57, 1122-1123.	7.2	12
14	Particle Targeting in Complex Biological Media. Advanced Healthcare Materials, 2018, 7, 1700575.	3.9	94
15	Overcoming the Blood-Brain Barrier: The Role of Nanomaterials in Treating Neurological Diseases. Advanced Materials, 2018, 30, e1801362.	11.1	415
16	Coatings super-repellent to ultralow surface tension liquids. Nature Materials, 2018, 17, 1040-1047.	13.3	289
17	Minimum information reporting in bio-nano experimental literature. Nature Nanotechnology, 2018, 13, 777-785.	15.6	455
18	Gel-Mediated Electrospray Assembly of Silica Supraparticles for Sustained Drug Delivery. ACS Applied Materials & Interfaces, 2018, 10, 31019-31031.	4.0	35

#	ARTICLE	IF	CITATIONS
19	Supramolecular Metal-Phenolic Gels for the Crystallization of Active Pharmaceutical Ingredients. <i>Small</i> , 2018, 14, e1801202.	5.2	37
20	Nanoengineering of Soft Polymer Particles for Exploring Bio-Nano Interactions. , 2018, , 393-419.		1
21	Nanoengineering of Poly(ethylene glycol) Particles for Stealth and Targeting. <i>Langmuir</i> , 2018, 34, 10817-10827.	1.6	55
22	Rust-Mediated Continuous Assembly of Metal-Phenolic Networks. <i>Advanced Materials</i> , 2017, 29, 1606717.	11.1	112
23	Interactions between circulating nanoengineered polymer particles and extracellular matrix components in vitro. <i>Biomaterials Science</i> , 2017, 5, 267-273.	2.6	11
24	Bridging Bio-Nano Science and Cancer Nanomedicine. <i>ACS Nano</i> , 2017, 11, 9594-9613.	7.3	304
25	Patterned Poly(dopamine) Films for Enhanced Cell Adhesion. <i>Bioconjugate Chemistry</i> , 2017, 28, 75-80.	1.8	20
26	Nanoengineering Particles through Template Assembly. <i>Chemistry of Materials</i> , 2017, 29, 289-306.	3.2	76
27	A Framework to Account for Sedimentation and Diffusion in Particle-Cell Interactions. <i>Langmuir</i> , 2016, 32, 12394-12402.	1.6	48
28	Advancing Research Using Action Cameras. <i>Chemistry of Materials</i> , 2016, 28, 8441-8442.	3.2	10
29	Nanoengineered Templated Polymer Particles: Navigating the Biological Realm. <i>Accounts of Chemical Research</i> , 2016, 49, 1139-1148.	7.6	122
30	Increasing the Impact of Materials in and beyond Bio-Nano Science. <i>Journal of the American Chemical Society</i> , 2016, 138, 13449-13456.	6.6	49
31	Metal-Phenolic Supramolecular Gelation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13803-13807.	7.2	147
32	Innovation in Layer-by-Layer Assembly. <i>Chemical Reviews</i> , 2016, 116, 14828-14867.	23.0	678
33	Controlling the Growth of Metal-Organic Frameworks Using Different Gravitational Forces. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4499-4504.	1.0	12
34	Metal-Phenolic Supramolecular Gelation. <i>Angewandte Chemie</i> , 2016, 128, 14007-14011.	1.6	27
35	Dynamic Flow Impacts Cell-Particle Interactions: Sedimentation and Particle Shape Effects. <i>Langmuir</i> , 2016, 32, 10995-11001.	1.6	33
36	Investigating affinity-maturation strategies and reproducibility of fluorescence-activated cell sorting using a recombinant ADAPT library displayed on staphylococci. <i>Protein Engineering, Design and Selection</i> , 2016, 29, 187-195.	1.0	8

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37	Assembly-Controlled Permeability of Layer-by-Layer Polymeric Microcapsules Using a Tapered Fluidized Bed. ACS Applied Materials & Interfaces, 2015, 7, 27940-27947.	4.0	23
38	Technology-driven layer-by-layer assembly of nanofilms. Science, 2015, 348, aaa2491.	6.0	1,272
39	Targeting Ability of Affibody-Functionalized Particles Is Enhanced by Albumin but Inhibited by Serum Coronas. ACS Macro Letters, 2015, 4, 1259-1263.	2.3	44
40	Structure Governs the Deformability of Polymer Particles in a Microfluidic Blood Capillary Model. ACS Macro Letters, 2015, 4, 1205-1209.	2.3	28
41	Flow-Based Assembly of Layer-by-Layer Capsules through Tangential Flow Filtration. Langmuir, 2015, 31, 9054-9060.	1.6	30
42	Hydrogel Particles: Super-Soft Hydrogel Particles with Tunable Elasticity in a Microfluidic Blood Capillary Model (Adv. Mater. 43/2014). Advanced Materials, 2014, 26, 7416-7416.	11.1	1
43	Convective polymer assembly for the deposition of nanostructures and polymer thin films on immobilized particles. Nanoscale, 2014, 6, 13416-13420.	2.8	17
44	Assembly of Layer-by-Layer Particles and Their Interactions with Biological Systems. Chemistry of Materials, 2014, 26, 452-460.	3.2	177
45	Mold-Templated Inorganic-Organic Hybrid Supraparticles for Codelivery of Drugs. Biomacromolecules, 2014, 15, 4146-4151.	2.6	18
46	Super-Soft Hydrogel Particles with Tunable Elasticity in a Microfluidic Blood Capillary Model. Advanced Materials, 2014, 26, 7295-7299.	11.1	107
47	Fluidized Bed Layer-by-Layer Microcapsule Formation. Langmuir, 2014, 30, 10028-10034.	1.6	35
48	Engineering and evaluating drug delivery particles in microfluidic devices. Journal of Controlled Release, 2014, 190, 139-149.	4.8	104
49	Engineering of Bispecific Affinity Proteins with High Affinity for ERBB2 and Adaptable Binding to Albumin. PLoS ONE, 2014, 9, e103094.	1.1	50
50	Particle Carriers for Combating Multidrug-Resistant Cancer. ACS Nano, 2013, 7, 9512-9517.	7.3	89
51	Perspectives on Open Science and Scholarly Publishing: a Survey Study Focusing on Early Career Researchers in Europe. F1000Research, 0, 10, 1306.	0.8	1