

Anton Middelberg

List of Publications by Year in descending order

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37
papers

714
citations

566801

15
h-index

552369

26
g-index

40
all docs

40
docs citations

40
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated and continuous downstream process for microbial virus-like particle vaccine biomanufacture. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2122-2133.	1.7	6
2	Comparative evaluation of integrated purification pathways for bacterial modular polyomavirus major capsid protein VP1 to produce virus-like particles using high throughput process technologies. <i>Journal of Chromatography A</i> , 2021, 1639, 461924.	1.8	6
3	Virus-like particle preparation is improved by control over capsomere-DNA interactions during chromatographic purification. <i>Biotechnology and Bioengineering</i> , 2021, 118, 1688-1701.	1.7	6
4	Front Cover Image, Volume 118, Number 4, April 2021. <i>Biotechnology and Bioengineering</i> , 2021, 118, i.	1.7	0
5	Stability of Engineered Ferritin Nanovaccines Investigated by Combined Molecular Simulation and Experiments. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3830-3842.	1.2	5
6	Immunogenicity and Vaccine Efficacy Boosted by Engineering Human Heavy Chain Ferritin and Chimeric Hepatitis B Virus Core Nanoparticles. <i>ACS Applied Bio Materials</i> , 2021, 4, 7147-7156.	2.3	5
7	To our readers: Important notice. <i>Vaccine</i> , 2020, 38, 5563.	1.7	0
8	High-throughput process development of an alternative platform for the production of virus-like particles in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2016, 219, 7-19.	1.9	20
9	Insert engineering and solubility screening improves recovery of virus-like particle subunits displaying hydrophobic epitopes. <i>Protein Science</i> , 2015, 24, 1820-1828.	3.1	8
10	Beyond Disease, How Biomedical Engineering Can Improve Global Health. <i>Science Translational Medicine</i> , 2014, 6, 266fs48.	5.8	10
11	Receptor-Specific Delivery of Protein Antigen to Dendritic Cells by a Nanoemulsion Formed Using Top-Down Non-Covalent Click Self-Assembly. <i>Small</i> , 2013, 9, 3736-3742.	5.2	29
12	Drug Delivery: Receptor-Specific Delivery of Protein Antigen to Dendritic Cells by a Nanoemulsion Formed Using Top-Down Non-Covalent Click Self-Assembly (<i>Small</i> 22/2013). <i>Small</i> , 2013, 9, 3735-3735.	5.2	0
13	Analysis of MonoPEGylated Human Galectin-2 by Small-Angle X-ray and Neutron Scattering: Concentration Dependence of PEG Conformation in the Conjugate. <i>Biomacromolecules</i> , 2010, 11, 3504-3510.	2.6	24
14	Terahertz time-domain spectroscopy of peptides in solution. , 2009, , .		0
15	Microbial bio-production of a recombinant stimuli-responsive biosurfactant. <i>Biotechnology and Bioengineering</i> , 2009, 102, 176-187.	1.7	18
16	The chromatography-free release, isolation and purification of recombinant peptide for fibril self-assembly. <i>Biotechnology and Bioengineering</i> , 2009, 104, 973-985.	1.7	15
17	Encapsulation of DNA and non-viral protein changes the structure of murine polyomavirus virus-like particles. <i>Archives of Virology</i> , 2008, 153, 2027-2039.	0.9	35
18	The interfacial structure and Young's modulus of peptide films having switchable mechanical properties. <i>Journal of the Royal Society Interface</i> , 2008, 5, 47-54.	1.5	43

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19	Phosphorylated human galectin-3: Facile large-scale preparation of active lectin and detection of structural changes by CD spectroscopy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 716-722.	1.1	36
20	Expression and purification of a nanostructure-forming peptide. <i>Journal of Biotechnology</i> , 2008, 135, 85-91.	1.9	19
21	Electron Transfer of Plurimodified DNA SAMs. <i>Langmuir</i> , 2007, 23, 8264-8271.	1.6	10
22	Using nano-structured interfacial peptide films to create stimuli-responsive foams and emulsions. , 2006, , .		0
23	Processing and in vitro Assembly of Virus Like Particle Nanostructures. , 2006, , .		1
24	The economics of inclusion body processing. <i>Bioprocess and Biosystems Engineering</i> , 2006, 29, 73-90.	1.7	15
25	Quantifying transport within a porous medium over a hierarchy of length scales. <i>Physics of Fluids</i> , 2006, 18, 033102.	1.6	15
26	Influence of alternating current electrokinetic forces and torque on the elongation of immobilized DNA. <i>Journal of Applied Physics</i> , 2005, 97, 014702.	1.1	21
27	Quantification of solid cell material by detection of membrane-associated proteins and peptidoglycan. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 807, 111-119.	1.2	2
28	Quantitative magnetic resonance imaging of urea and lysozyme in protein chromatography. <i>Journal of Chromatography A</i> , 2004, 1033, 311-319.	1.8	12
29	Influence of the Thiol Position on the Attachment and Subsequent Hybridization of Thiolated DNA on Gold Surfaces. <i>Langmuir</i> , 2004, 20, 1527-1530.	1.6	17
30	Dielectrophoretic manipulation of surface-bound DNA. <i>IET Nanobiotechnology</i> , 2003, 150, 54.	2.1	10
31	High-sensitivity colorimetric detection of DNA hybridization on a gold surface with high spatial resolution. <i>Nanotechnology</i> , 2003, 14, 7-10.	1.3	17
32	The production of human papillomavirus type 16 L1 vaccine product from <i>Escherichia coli</i> inclusion bodies. <i>Bioprocess and Biosystems Engineering</i> , 2002, 25, 121-128.	1.7	22
33	Characterisation of the shrinkage of calcium alginate gel membrane with immobilised <i>Lactobacillus rhamnosus</i> . <i>Applied Microbiology and Biotechnology</i> , 2000, 54, 28-32.	1.7	12
34	The mechanical properties of <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 9871-9874.	3.3	179
35	Peptide interfacial adsorption is kinetically limited by the thermodynamic stability of self association. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 5054-5059.	3.3	56
36	Influence of broth dilution on the disruption of <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 1995, 9, 759-762.	0.5	20

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37	A Simplified Model for the Disruption of Escherichia coli: The Effect of Cell Septation. Biotechnology Progress, 1994, 10, 109-113.	1.3	11