

Nathan J Alves

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,117
citations

430754

18
h-index

395590

33
g-index

40
all docs

40
docs citations

40
times ranked

1699
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing structure-activity relationship to engineer a cisplatin nanoparticle for enhanced antitumor efficacy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12435-12440.	3.3	121
2	Printed Graphene Electrochemical Biosensors Fabricated by Inkjet Maskless Lithography for Rapid and Sensitive Detection of Organophosphates. ACS Applied Materials & Interfaces, 2018, 10, 11125-11134.	4.0	112
3	Bacterial Nanobioreactorsâ€™ Directing Enzyme Packaging into Bacterial Outer Membrane Vesicles. ACS Applied Materials & Interfaces, 2015, 7, 24963-24972.	4.0	106
4	Protecting enzymatic function through directed packaging into bacterial outer membrane vesicles. Scientific Reports, 2016, 6, 24866.	1.6	88
5	Rationally engineered nanoparticles target multiple myeloma cells, overcome cell-adhesion-mediated drug resistance, and show enhanced efficacy in vivo. Blood Cancer Journal, 2012, 2, e64-e64.	2.8	75
6	Liposomal carfilzomib nanoparticles effectively target multiple myeloma cells and demonstrate enhanced efficacy in vivo. Journal of Controlled Release, 2014, 196, 113-121.	4.8	54
7	Environmental microplastic and nanoplastic: Exposure routes and effects on coagulation and the cardiovascular system. Environmental Pollution, 2021, 291, 118190.	3.7	53
8	Oriented Surface Immobilization of Antibodies at the Conserved Nucleotide Binding Site for Enhanced Antigen Detection. Langmuir, 2012, 28, 9640-9648.	1.6	48
9	Affinity purification of bacterial outer membrane vesicles (OMVs) utilizing a His-tag mutant. Research in Microbiology, 2017, 168, 139-146.	1.0	40
10	HIV-Nef Protein Persists in the Lungs of Aviremic Patients with HIV and Induces Endothelial Cell Death. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 357-366.	1.4	36
11	Small-Molecule-Based Affinity Chromatography Method for Antibody Purification via Nucleotide Binding Site Targeting. Analytical Chemistry, 2012, 84, 7721-7728.	3.2	35
12	Oriented antibody immobilization by site-specific UV photocrosslinking of biotin at the conserved nucleotide binding site for enhanced antigen detection. Biosensors and Bioelectronics, 2013, 49, 387-393.	5.3	35
13	Environmental Decontamination of a Chemical Warfare Simulant Utilizing a Membrane Vesicle-Encapsulated Phosphotriesterase. ACS Applied Materials & Interfaces, 2018, 10, 15712-15719.	4.0	35
14	Selective photocrosslinking of functional ligands to antibodies via the conserved nucleotide binding site. Biomaterials, 2013, 34, 5700-5710.	5.7	30
15	Emerging therapeutic delivery capabilities and challenges utilizing enzyme/protein packaged bacterial vesicles. Therapeutic Delivery, 2015, 6, 873-887.	1.2	30
16	Oriented Immobilization of Fab Fragments by Site-Specific Biotinylation at the Conserved Nucleotide Binding Site for Enhanced Antigen Detection. Langmuir, 2015, 31, 9728-9736.	1.6	28
17	Functionalized liposome purification via Liposome Extruder Purification (LEP). Analyst, The, 2013, 138, 4746.	1.7	21
18	Fibrin clot formation under diverse clotting conditions: Comparing turbidimetry and thromboelastography. Thrombosis Research, 2020, 187, 48-55.	0.8	19

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19	Conjugation of a Reactive Thiol at the Nucleotide Binding Site for Site-Specific Antibody Functionalization. <i>Bioconjugate Chemistry</i> , 2014, 25, 1198-1202.	1.8	18
20	Synthetic Allergen Design Reveals the Significance of Moderate Affinity Epitopes in Mast Cell Degranulation. <i>ACS Chemical Biology</i> , 2012, 7, 1796-1801.	1.6	17
21	Variable Resistance to Plasminogen Activator Initiated Fibrinolysis for Intermediate-Risk Pulmonary Embolism. <i>PLoS ONE</i> , 2016, 11, e0148747.	1.1	14
22	Nonchromatographic Affinity Precipitation Method for the Purification of Bivalently Active Pharmaceutical Antibodies from Biological Fluids. <i>Analytical Chemistry</i> , 2013, 85, 5271-5278.	3.2	13
23	Comparison of isoflurane and Î±-chloralose in an anesthetized swine model of acute pulmonary embolism producing right ventricular dysfunction. <i>Comparative Medicine</i> , 2015, 65, 54-61.	0.4	13
24	Enhancement of Antibody Selectivity via Bicyclic Complex Formation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 598-602.	2.1	11
25	Site-specific fab fragment biotinylation at the conserved nucleotide binding site for enhanced ebola detection. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1327-1334.	1.7	10
26	Directed Protein Packaging within Outer Membrane Vesicles from “Escherichia coli“; Design, Production and Purification. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	10
27	Improving the targeting of therapeutics with single-domain antibodies. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 561-570.	2.4	9
28	Inhaled nitric oxide to control platelet hyper-reactivity in patients with acute submassive pulmonary embolism. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 96, 20-28.	1.2	6
29	Comparative study on the inhibition of plasmin and delta-plasmin via benzamidine derivatives. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 358-362.	1.0	5
30	Disinhibiting neurons in the dorsomedial hypothalamus delays the onset of exertional fatigue and exhaustion in rats exercising in a warm environment. <i>Brain Research</i> , 2018, 1689, 12-20.	1.1	4
31	Antibody conjugation and formulation. <i>Antibody Therapeutics</i> , 2019, 2, 33-39.	1.2	4
32	In-vitro thromboelastographic characterization of reconstituted whole blood utilizing cryopreserved platelets. <i>Blood Coagulation and Fibrinolysis</i> , 2021, Publish Ahead of Print, 556-563.	0.5	4
33	Modulation of soluble guanylate cyclase ameliorates pulmonary hypertension in a rat model of chronic thromboembolic pulmonary hypertension by stimulating angiogenesis. <i>Physiological Reports</i> , 2022, 10, e15156.	0.7	4
34	Fluorescently conjugated annular fibrin clot for multiplexed real-time digestion analysis. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9295-9307.	2.9	3
35	Use of the "Future Life Map" exercise to improve awareness of career options and opportunities in underrepresented minority undergraduate students pursuing STEM careers. <i>PLoS ONE</i> , 2022, 17, e0263848.	1.1	3
36	Equivalence Study of Semaxanib from Different Suppliers. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 865-868.	1.4	1

#	ARTICLE	IF	CITATIONS
37	Abstract 5686: Engineering multifunctional nanoparticles to selectively target multiple myeloma cells and overcome cell adhesion-mediated drug resistance. , 2012, , .		1
38	Stabilization protects islet integrity during respirometry in the Oroboros Oxygraph-2K analyzer. Islets, 2022, 14, 128-138.	0.9	1
39	Modulating Plasmin Activity using Multivalent Benzamidine Inhibitors. FASEB Journal, 2021, 35, .	0.2	0
40	Leveraging Turbidity and Thromboelastography for Complementary Clot Characterization. Journal of Visualized Experiments, 2020, , .	0.2	0