

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	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
2	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
3	Stabilization protects islet integrity during respirometry in the Oroboros Oxygraph-2K analyzer. <i>Islets</i> , 2022, 14, 128-138.	0.9	1
4	Modulating Plasmin Activity using Multivalent Benzamidine Inhibitors. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
5	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
6	Environmental microplastic and nanoplastic: Exposure routes and effects on coagulation and the cardiovascular system. <i>Environmental Pollution</i> , 2021, 291, 118190.	3.7	53
7	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
8	Fibrin clot formation under diverse clotting conditions: Comparing turbidimetry and thromboelastography. <i>Thrombosis Research</i> , 2020, 187, 48-55.	0.8	19
9	Equivalence Study of Semaxanib from Different Suppliers. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 865-868.	1.4	1
10	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
11	Leveraging Turbidity and Thromboelastography for Complementary Clot Characterization. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	0
12	Antibody conjugation and formulation. <i>Antibody Therapeutics</i> , 2019, 2, 33-39.	1.2	4
13	HIV-Nef Protein Persists in the Lungs of Aviremic Patients with HIV and Induces Endothelial Cell Death. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 357-366.	1.4	36
14	Printed Graphene Electrochemical Biosensors Fabricated by Inkjet Maskless Lithography for Rapid and Sensitive Detection of Organophosphates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11125-11134.	4.0	112
15	Environmental Decontamination of a Chemical Warfare Simulant Utilizing a Membrane Vesicle-Encapsulated Phosphotriesterase. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15712-15719.	4.0	35
16	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
17	Affinity purification of bacterial outer membrane vesicles (OMVs) utilizing a His-tag mutant. <i>Research in Microbiology</i> , 2017, 168, 139-146.	1.0	40
18	Variable Resistance to Plasminogen Activator Initiated Fibrinolysis for Intermediate-Risk Pulmonary Embolism. <i>PLoS ONE</i> , 2016, 11, e0148747.	1.1	14

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19	Protecting enzymatic function through directed packaging into bacterial outer membrane vesicles. <i>Scientific Reports</i> , 2016, 6, 24866.	1.6	88
20	Directed Protein Packaging within Outer Membrane Vesicles from <i>Escherichia coli</i> : Design, Production and Purification. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	10
21	Improving the targeting of therapeutics with single-domain antibodies. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 561-570.	2.4	9
22	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
23	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
24	Bacterial Nanobioreactors "Directing Enzyme Packaging into Bacterial Outer Membrane Vesicles. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24963-24972.	4.0	106
25	Oriented Immobilization of Fab Fragments by Site-Specific Biotinylation at the Conserved Nucleotide Binding Site for Enhanced Antigen Detection. <i>Langmuir</i> , 2015, 31, 9728-9736.	1.6	28
26	Emerging therapeutic delivery capabilities and challenges utilizing enzyme/protein packaged bacterial vesicles. <i>Therapeutic Delivery</i> , 2015, 6, 873-887.	1.2	30
27	Comparison of isoflurane and 1±-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
28	Liposomal carfilzomib nanoparticles effectively target multiple myeloma cells and demonstrate enhanced efficacy in vivo. <i>Journal of Controlled Release</i> , 2014, 196, 113-121.	4.8	54
29	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
30	Functionalized liposome purification via Liposome Extruder Purification (LEP). <i>Analyst</i> , The, 2013, 138, 4746.	1.7	21
31	Oriented antibody immobilization by site-specific UV photocrosslinking of biotin at the conserved nucleotide binding site for enhanced antigen detection. <i>Biosensors and Bioelectronics</i> , 2013, 49, 387-393.	5.3	35
32	Selective photocrosslinking of functional ligands to antibodies via the conserved nucleotide binding site. <i>Biomaterials</i> , 2013, 34, 5700-5710.	5.7	30
33	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
34	Rationally engineered nanoparticles target multiple myeloma cells, overcome cell-adhesion-mediated drug resistance, and show enhanced efficacy in vivo. <i>Blood Cancer Journal</i> , 2012, 2, e64-e64.	2.8	75
35	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
36	Enhancement of Antibody Selectivity via Bicyclic Complex Formation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 598-602.	2.1	11

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37	Small-Molecule-Based Affinity Chromatography Method for Antibody Purification via Nucleotide Binding Site Targeting. <i>Analytical Chemistry</i> , 2012, 84, 7721-7728.	3.2	35
38	Oriented Surface Immobilization of Antibodies at the Conserved Nucleotide Binding Site for Enhanced Antigen Detection. <i>Langmuir</i> , 2012, 28, 9640-9648.	1.6	48
39	Abstract 5686: Engineering multifunctional nanoparticles to selectively target multiple myeloma cells and overcome cell adhesion-mediated drug resistance. , 2012, , .		1
40	Harnessing structure-activity relationship to engineer a cisplatin nanoparticle for enhanced antitumor efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12435-12440.	3.3	121