

Mohammed Inayathullah

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,967
citations

236925

25
h-index

254184

43
g-index

58
all docs

58
docs citations

58
times ranked

3733
citing authors

#	ARTICLE	IF	CITATIONS
1	Blocking Macrophage Leukotriene B ₄ Prevents Endothelial Injury and Reverses Pulmonary Hypertension. <i>Science Translational Medicine</i> , 2013, 5, 200ra117.	12.4	203
2	Transdermal deferroxamine prevents pressure-induced diabetic ulcers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 94-99.	7.1	160
3	Amyloid β -Protein Assembly as a Therapeutic Target of Alzheimers Disease. <i>Current Pharmaceutical Design</i> , 2008, 14, 3231-3246.	1.9	107
4	Alzheimer disease macrophages shuttle amyloid-beta from neurons to vessels, contributing to amyloid angiopathy. <i>Acta Neuropathologica</i> , 2009, 117, 111-124.	7.7	99
5	Nanomaterials engineering for drug delivery: a hybridization approach. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3995-4018.	5.8	96
6	Pullulan Hydrogels Improve Mesenchymal Stem Cell Delivery into High-Oxidative Stress Wounds. <i>Macromolecular Bioscience</i> , 2011, 11, 1458-1466.	4.1	88
7	Amino Acid Position-specific Contributions to Amyloid β -Protein Oligomerization. <i>Journal of Biological Chemistry</i> , 2009, 284, 23580-23591.	3.4	79
8	Polyvinylpyrrolidone microneedles enable delivery of intact proteins for diagnostic and therapeutic applications. <i>Acta Biomaterialia</i> , 2013, 9, 7767-7774.	8.3	72
9	Prolonged survival of transplanted stem cells after ischaemic injury via the slow release of pro-survival peptides from a collagen matrix. <i>Nature Biomedical Engineering</i> , 2018, 2, 104-113.	22.5	71
10	Endothelial APLNR regulates tissue fatty acid uptake and is essential for apelin's glucose-lowering effects. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	61
11	Isolation and partial characterization of antifungal protein from <i>Bacillus polymyxa</i> strain VLB16. <i>Process Biochemistry</i> , 2005, 40, 3236-3243.	3.7	57
12	Efficient gene delivery of primary human cells using peptide linked polyethylenimine polymer hybrid. <i>Biomaterials</i> , 2011, 32, 4647-4658.	11.4	56
13	Synthesis, pharmacological screening, quantum chemical and in vitro permeability studies of N-Mannich bases of benzimidazoles through bovine cornea. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2307-2312.	5.5	53
14	Structural dynamics of the E22 (Osaka) familial Alzheimer's disease-linked amyloid β -protein. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2011, 18, 98-107.	3.0	50
15	Identification of new drug candidates against <i>Borrelia burgdorferi</i> using high-throughput screening. <i>Drug Design, Development and Therapy</i> , 2016, 10, 1307.	4.3	49
16	Attenuation of synaptic toxicity and MARK4/PAR1-mediated Tau phosphorylation by methylene blue for Alzheimer's disease treatment. <i>Scientific Reports</i> , 2016, 6, 34784.	3.3	45
17	Controlled Delivery of a Focal Adhesion Kinase Inhibitor Results in Accelerated Wound Closure with Decreased Scar Formation. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2452-2460.	0.7	45
18	[Pyr1]-Apelin-13 delivery via nano-liposomal encapsulation attenuates pressure overload-induced cardiac dysfunction. <i>Biomaterials</i> , 2015, 37, 289-298.	11.4	44

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19	PEG/Dextran Double Layer Influences Fe Ion Release and Colloidal Stability of Iron Oxide Nanoparticles. <i>Scientific Reports</i> , 2018, 8, 4286.	3.3	36
20	In situ T-cell transfection by anti-CD3-conjugated lipid nanoparticles leads to T-cell activation, migration, and phenotypic shift. <i>Biomaterials</i> , 2022, 281, 121339.	11.4	36
21	Optimization of transdermal deferoxamine leads to enhanced efficacy in healing skin wounds. <i>Journal of Controlled Release</i> , 2019, 308, 232-239.	9.9	31
22	Adipose-Derived Stromal Cells Seeded in Pullulan-Collagen Hydrogels Improve Healing in Murine Burns. <i>Tissue Engineering - Part A</i> , 2021, 27, 844-856.	3.1	31
23	Transdermal Delivery of Functional Collagen Via Polyvinylpyrrolidone Microneedles. <i>Annals of Biomedical Engineering</i> , 2015, 43, 2978-2990.	2.5	30
24	Glucose Oxidase Incorporated Collagen Matrices for Dermal Wound Repair in Diabetic Rat Models: A Biochemical Study. <i>Journal of Biomaterials Applications</i> , 2012, 26, 917-938.	2.4	29
25	Microhemorrhage-associated tissue iron enhances the risk for <i>Aspergillus fumigatus</i> invasion in a mouse model of airway transplantation. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	29
26	A Thermo-Sensitive Delivery Platform for Topical Administration of Inflammatory Bowel Disease Therapies. <i>Gastroenterology</i> , 2015, 149, 52-55.e2.	1.3	24
27	Fidgetin-Like 2 siRNA Enhances the Wound Healing Capability of a Surfactant Polymer Dressing. <i>Advances in Wound Care</i> , 2019, 8, 91-100.	5.1	23
28	Repurposing Disulfiram (Tetraethylthiuram Disulfide) as a Potential Drug Candidate against <i>Borrelia burgdorferi</i> In Vitro and In Vivo. <i>Antibiotics</i> , 2020, 9, 633.	3.7	22
29	Identification of key regions and residues controlling $\text{A}\beta$ folding and assembly. <i>Scientific Reports</i> , 2017, 7, 12434.	3.3	20
30	Azlocillin can be the potential drug candidate against drug-tolerant <i>Borrelia burgdorferi</i> sensu stricto JLB31. <i>Scientific Reports</i> , 2020, 10, 3798.	3.3	20
31	Rationally Designed Turn Promoting Mutation in the Amyloid- β Peptide Sequence Stabilizes Oligomers in Solution. <i>PLoS ONE</i> , 2011, 6, e21776.	2.5	19
32	Deferoxamine can prevent pressure ulcers and accelerate healing in aged mice. <i>Wound Repair and Regeneration</i> , 2018, 26, 300-305.	3.0	19
33	Borrelicidal activity of <i>Borrelia</i> metal transporter A (BmtA) binding small molecules by manganese transport inhibition. <i>Drug Design, Development and Therapy</i> , 2015, 9, 805.	4.3	17
34	Nordihydroguaiaretic Acid, a Lignan from <i>Larrea tridentata</i> (Creosote Bush), Protects Against American Lifestyle-Induced Obesity Syndrome Diet-Induced Metabolic Dysfunction in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 365, 281-290.	2.5	17
35	Screening of NCI-DTP library to identify new drug candidates for <i>Borrelia burgdorferi</i> . <i>Journal of Antibiotics</i> , 2017, 70, 308-312.	2.0	14
36	Conformational polymorphism and cellular toxicity of IAPP and $\text{I}\beta$ AP domains. <i>Journal of Structural Biology</i> , 2009, 166, 116-125.	2.8	13

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37	Enhanced A β 1-40 Production in Endothelial Cells Stimulated with Fibrillar A β 1-42. PLoS ONE, 2013, 8, e58194.	2.5	12
38	Infrared Imaging Tools for Diagnostic Applications in Dermatology. , 2015, 1, 1-5.		11
39	Effect of osmolytes on the conformation and aggregation of some amyloid peptides: CD spectroscopic data. Data in Brief, 2016, 7, 1643-1651.	1.0	10
40	Enhanced Electrochemical Sensing with Carbon Nanotubes Modified with Bismuth and Magnetic Nanoparticles in a Lab-on-a-Chip. ChemNanoMat, 2016, 2, 904-910.	2.8	9
41	Cytokines as therapeutic agents and targets in heart disease. Cytokine and Growth Factor Reviews, 2018, 43, 54-68.	7.2	9
42	Solvent Microenvironments and Copper Binding Alters the Conformation and Toxicity of a Prion Fragment. PLoS ONE, 2013, 8, e85160.	2.5	8
43	Characterization of Brain Dysfunction Induced by Bacterial Lipopeptides That Alter Neuronal Activity and Network in Rodent Brains. Journal of Neuroscience, 2018, 38, 10672-10691.	3.6	8
44	Recent Developments in Diffusion Tensor Imaging of Brain. Radiology - Open Journal, 2016, 1, 1-12.	0.1	7
45	Effect of Osmolyte on the Micellization of SDS at Different Temperatures. Langmuir, 2003, 19, 9545-9547.	3.5	5
46	Polymeric Nanoparticles to Combat Squamous Cell Carcinomas in Patients with Dysmorphic Epidermolysis Bullosa. Recent Patents on Nanomedicine, 2014, 4, 15-24.	0.5	4
47	Self-assembly and sequence length dependence on nanofibrils of polyglutamine peptides. Neuropeptides, 2016, 57, 71-83.	2.2	4
48	In vitro and in vivo evaluation of cephalosporins for the treatment of Lyme disease. Drug Design, Development and Therapy, 2018, Volume 12, 2915-2921.	4.3	4
49	Anti-hyperlipidaemic effects of synthetic analogues of nordihydroguaiaretic acid in dyslipidaemic rats. British Journal of Pharmacology, 2019, 176, 369-385.	5.4	4
50	Conformational dynamics of a hydrophobic prion fragment (113-127) in different pH and osmolyte solutions. Neuropeptides, 2016, 57, 9-14.	2.2	3
51	Effect of Ca ²⁺ on the self assembly of a nonionic peptide aggregate. International Journal of Peptide Research and Therapeutics, 2003, 10, 25-32.	0.1	1
52	Nanoparticles hybridization to engineer biomaterials for drug delivery. , 2017, , 147-161.		1
53	Effect of Ca ²⁺ on the self assembly of a nonionic peptide aggregate. International Journal of Peptide Research and Therapeutics, 2003, 10, 25-32.	0.1	0
54	Mo1700 Targeted Topical Therapy to Treat Inflammatory Bowel Disease Using a Novel Thermosensitive Drug Delivery Platform. Gastroenterology, 2015, 148, S-689.	1.3	0

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55	529 ENAC inhibition as a therapy for psoriasis. <i>Journal of Investigative Dermatology</i> , 2016, 136, S93.	0.7	0