

Dinesh Kumar Srinivasan

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,531
citations

186209

28
h-index

197736

49
g-index

63
all docs

63
docs citations

63
times ranked

4232
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of corin in trophoblast invasion and uterine spiral artery remodelling in pregnancy. <i>Nature</i> , 2012, 484, 246-250.	13.7	271
2	Bio-inspired crosslinking and matrix-drug interactions for advanced wound dressings with long-term antimicrobial activity. <i>Biomaterials</i> , 2017, 138, 153-168.	5.7	165
3	Oncomirs: The potential role of non-coding microRNAs in understanding cancer. <i>Bioinformation</i> , 2008, 2, 330-334.	0.2	151
4	Sphingosine kinase 1 regulates the expression of proinflammatory cytokines and nitric oxide in activated microglia. <i>Neuroscience</i> , 2010, 166, 132-144.	1.1	141
5	Physical mechanism and modeling of heat generation and transfer in magnetic fluid hyperthermia through Néel and Brownian relaxation: a review. <i>BioMedical Engineering OnLine</i> , 2017, 16, 36.	1.3	126
6	Controlled release of drugs in electrosprayed nanoparticles for bone tissue engineering. <i>Advanced Drug Delivery Reviews</i> , 2015, 94, 77-95.	6.6	112
7	Medical Students' Perceptions and an Anatomy Teacher's Personal Experience Using an e-Learning Platform for Tutorials During the Covid-19 Crisis. <i>Anatomical Sciences Education</i> , 2020, 13, 318-319.	2.5	110
8	Maternal diabetes induces congenital heart defects in mice by altering the expression of genes involved in cardiovascular development. <i>Cardiovascular Diabetology</i> , 2007, 6, 34.	2.7	101
9	siRNA, miRNA, and shRNA: <i>in vivo</i> Applications. <i>Journal of Dental Research</i> , 2008, 87, 992-1003.	2.5	101
10	Effect of Blast Exposure on the Brain Structure and Cognition in <i>Macaca fascicularis</i> . <i>Journal of Neurotrauma</i> , 2012, 29, 1434-1454.	1.7	83
11	Nanoparticle-Based Therapeutic Approach for Diabetic Wound Healing. <i>Nanomaterials</i> , 2020, 10, 1234.	1.9	83
12	New insights into the architecture of the islet of Langerhans: a focused cross-species assessment. <i>Diabetologia</i> , 2015, 58, 2218-2228.	2.9	81
13	Hydrogen Sulfide Is an Endogenous Regulator of Aging in <i>Caenorhabditis elegans</i> . <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2621-2630.	2.5	79
14	Effect of feeding a high fat diet on hydrogen sulfide (H ₂ S) metabolism in the mouse. <i>Nitric Oxide - Biology and Chemistry</i> , 2014, 41, 138-145.	1.2	77
15	Recent Studies on Neural Tube Defects in Embryos of Diabetic Pregnancy: An Overview. <i>Current Medicinal Chemistry</i> , 2009, 16, 2345-2354.	1.2	62
16	Zinc supplementation prevents cardiomyocyte apoptosis and congenital heart defects in embryos of diabetic mice. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1595-1606.	1.3	56
17	Biocompatible Aloe vera and Tetracycline Hydrochloride Loaded Hybrid Nanofibrous Scaffolds for Skin Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5174.	1.8	55
18	Cryopreservation of mouse testicular tissue: prospect for harvesting spermatogonial stem cells for fertility preservation. <i>Fertility and Sterility</i> , 2011, 95, 2399-2403.	0.5	53

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19	Function of Sirtuins in Biological Tissues. <i>Anatomical Record</i> , 2009, 292, 536-543.	0.8	51
20	Global gene expression analysis of cranial neural tubes in embryos of diabetic mice. <i>Journal of Neuroscience Research</i> , 2008, 86, 3481-3493.	1.3	46
21	Y-Box-binding protein-1 is a promising predictive marker of radioresistance and chemoradioresistance in nasopharyngeal cancer. <i>Modern Pathology</i> , 2009, 22, 282-290.	2.9	41
22	Analysis of Epigenetic Factors in Mouse Embryonic Neural Stem Cells Exposed to Hyperglycemia. <i>PLoS ONE</i> , 2013, 8, e65945.	1.1	41
23	A Review of Computational Methods to Predict the Risk of Rupture of Abdominal Aortic Aneurysms. <i>BioMed Research International</i> , 2015, 2015, 1-12.	0.9	39
24	Prdm16 Deficiency Leads to Age-Dependent Cardiac Hypertrophy, Adverse Remodeling, Mitochondrial Dysfunction, and Heart Failure. <i>Cell Reports</i> , 2020, 33, 108288.	2.9	36
25	Nanoparticle-Based Technology Approaches to the Management of Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6070.	1.8	36
26	RNAi and RNAa - The Yin and Yang of RNAome. <i>Bioinformatics</i> , 2008, 2, 235-237.	0.2	33
27	Differential gene expression profiles during embryonic heart development in diabetic mice pregnancy. <i>Gene</i> , 2013, 516, 218-227.	1.0	31
28	Biocomposite nanofibrous strategies for the controlled release of biomolecules for skin tissue regeneration. <i>International Journal of Nanomedicine</i> , 2014, 9, 4709.	3.3	30
29	Biomimetic hybrid nanofibrous substrates for mesenchymal stem cells differentiation into osteogenic cells. <i>Materials Science and Engineering C</i> , 2015, 49, 776-785.	3.8	30
30	Cardiac Malformations Are Associated with Altered Expression of Vascular Endothelial Growth Factor and Endothelial Nitric Oxide Synthase Genes in Embryos of Diabetic Mice. <i>Experimental Biology and Medicine</i> , 2008, 233, 1421-1432.	1.1	29
31	Osteogenic Differentiation of Mesenchymal Stem Cells with Silica-Coated Gold Nanoparticles for Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5135.	1.8	26
32	Notch Transcriptional Control of Vascular Smooth Muscle Regulatory Gene Expression and Function. <i>Journal of Biological Chemistry</i> , 2013, 288, 11191-11202.	1.6	19
33	Breathable Medicine: Pulmonary Mode of Drug Delivery. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2591-2604.	0.9	17
34	Expressions of cytokines and chemokines in the dorsal motor nucleus of the vagus nerve after right vagotomy. <i>Molecular Brain Research</i> , 2005, 142, 47-57.	2.5	16
35	Potential adverse effects of engineered nanomaterials commonly used in food on the miRNome. <i>Food and Chemical Toxicology</i> , 2017, 109, 771-779.	1.8	16
36	Minocycline Loaded Hybrid Composites Nanoparticles for Mesenchymal Stem Cells Differentiation into Osteogenesis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1222.	1.8	15

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37	Electrospunâ€electrosprayed hydroxyapatite nanostructured composites for bone tissue regeneration. Journal of Applied Polymer Science, 2018, 135, 46756.	1.3	14
38	Controlled Release of Dexamethasone in PCL/Silk Fibroin/Ascorbic Acid Nanoparticles for the Initiation of Adipose Derived Stem Cells into Osteogenesis. Journal of Drug Metabolism & Toxicology, 2015, 06, .	0.1	11
39	Fabrication and characterization of high flux poly(vinylidene fluoride) electrospun nanofibrous membrane using amphiphilic polyethyleneâ€blockâ€poly(ethylene glycol) copolymer. Journal of Applied Polymer Science, 2021, 138, 50296.	1.3	11
40	Changes in peptidergic nerves in the atrioventricular valves of streptozotocin-induced diabetic rats: A confocal microscopy study. , 2000, 258, 277-285.		8
41	Therapeutic Prospects in Preeclampsia - A Mini-Review. Current Medicinal Chemistry, 2019, 26, 4786-4798.	1.2	6
42	Deciphering the key molecular and cellular events in neutrophil transmigration during acute inflammation. Bioinformatics, 2011, 6, 111-114.	0.2	5
43	Molecular and morphological characterization of neural tube defects in embryos of diabetic Swiss Albino mice. Histology and Histopathology, 2011, 26, 965-78.	0.5	5
44	Nanofiber composites in cardiac tissue engineering. , 2017, , 411-453.		3
45	Quantitative means for differentiating renal obstruction by analysing renography by compartmental modelling of renal fluid flow rate. Nuclear Medicine Communications, 2016, 37, 904-910.	0.5	2
46	A randomized trial comparing cadaveric dissection and examination of prosections as applied surgical anatomy teaching pedagogies. Anatomical Sciences Education, 2023, 16, 57-70.	2.5	2
47	Inhibition of Phosphoinositide 3 Kinase by Masoprocol Ameliorates IgE-mediated Anaphylaxis in vivo and ex vivo. Journal of Allergy and Clinical Immunology, 2007, 119, S179.	1.5	1
48	Minocycline Hydrochloride Entrapped Biomimetic Nanofibrous Substitutes for Adipose-Derived Stem Cells Differentiation into Osteogenesis. Regenerative Engineering and Translational Medicine, 2016, 2, 10-22.	1.6	1
49	Role of microRNAâ€9 in the pathogenesis of Parkinson's Disease. FASEB Journal, 2018, 32, 545.6.	0.2	1
50	Fostering Students Collaborative Learning through Innovative Integrated Assessments in a Laboratory Setting. FASEB Journal, 2022, 36, .	0.2	1
51	Nor-nordihydroguaiaretic Acid (NDHGA) Ameliorates C5a-Induced Acute Peritonitis. Journal of Allergy and Clinical Immunology, 2007, 119, S301.	1.5	0
52	Harnessing the RNA-interference for Anti-inflammatory Therapeutics. Journal of Allergy and Clinical Immunology, 2007, 119, S172.	1.5	0
53	Quercetin Potentially Ameliorates the C5a-induced Acute Peritonitis. Journal of Allergy and Clinical Immunology, 2008, 121, S204-S204.	1.5	0
54	RNA-Interference Targeting of PLC-Î³ Ameliorates IgE-Mediated Anaphylaxis in vivo. Journal of Allergy and Clinical Immunology, 2008, 121, S206-S206.	1.5	0

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55	METALLOTHIONEIN AND BREAST CANCER. , 2008, , 183-199.		0
56	Disregulated Sphk1, Sphk2 and their receptors in the brain of MPTPâ€induced mouse model of Parkinson's disease. FASEB Journal, 2012, 26, 920.6.	0.2	0
57	MicroRNAâ€124 and its target gene are altered in the substantia nigra (SNc) of the brain of MPTPâ€mouse model of Parkinson's disease. FASEB Journal, 2012, 26, 83.6.	0.2	0
58	Zinc supplementation prevents diabetesâ€induced heart malformation in mouse model. FASEB Journal, 2013, 27, 962.2.	0.2	0
59	A molecular validation of serotonin signaling systems association with major depressive disorder (MDD) in South Indian population. FASEB Journal, 2018, 32, 554.15.	0.2	0
60	Maximizing Opportunities for Anatomy Learning: Use of Authentic OSPE as Part of Assessment in Anatomy. FASEB Journal, 2022, 36, .	0.2	0
61	Can Simulation be a Learning and Assessment Tool for Collaborative Learning in the Preclinical Years?. FASEB Journal, 2022, 36, .	0.2	0