

# S Thameem Dheen

## List of Publications by Year in descending order

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113  
papers

6,344  
citations

76196

40  
h-index

71532

76  
g-index

114  
all docs

114  
docs citations

114  
times ranked

9602  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation and characterization of nitinol stents produced by selective laser melting with various process parameters. <i>Progress in Additive Manufacturing</i> , 2022, 7, 1141-1153.	2.5	8
2	A comparative investigation on the mechanical properties and cytotoxicity of Cubic, Octet, and TPMS gyroid structures fabricated by selective laser melting of stainless steel 316L. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 129, 105151.	1.5	27
3	Nutrient sensitive protein <i>O</i> -GlcNAcylation modulates the transcriptome through epigenetic mechanisms during embryonic neurogenesis. <i>Life Science Alliance</i> , 2022, 5, e202201385.	1.3	6
4	A biomechanical evaluation on Cubic, Octet, and TPMS gyroid Ti6Al4V lattice structures fabricated by selective laser melting and the effects of their debris on human osteoblast-like cells. , 2022, 137, 212829.		13
5	Functions and applications of metallic and metallic oxide nanoparticles in orthopedic implants and scaffolds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 160-179.	1.6	43
6	A paradigm shift: emerging roles of microglia, a non-neuronal cell, in learning and memory. <i>Neural Regeneration Research</i> , 2021, 16, 1992.	1.6	1
7	Synthesis methods of functionalized nanoparticles: a review. <i>Bio-Design and Manufacturing</i> , 2021, 4, 379-404.	3.9	24
8	A review of multi-functional ceramic nanoparticles in 3D printed bone tissue engineering. <i>Bioprinting</i> , 2021, 23, e00146.	2.9	37
9	MicroRNA-134-5p inhibition rescues long-term plasticity and synaptic tagging/capture in an A $\beta$ (1-42)-induced model of Alzheimer's disease. <i>Aging Cell</i> , 2020, 19, e13046.	3.0	41
10	Epigenetic regulation of microglial phosphatidylinositol 3-kinase pathway involved in long-term potentiation and synaptic plasticity in rats. <i>Glia</i> , 2020, 68, 656-669.	2.5	46
11	Fabrication of Ti+Mg composites by three-dimensional printing of porous Ti and subsequent pressureless infiltration of biodegradable Mg. <i>Materials Science and Engineering C</i> , 2020, 108, 110478.	3.8	44
12	High glucose alters the DNA methylation pattern of neurodevelopment associated genes in human neural progenitor cells in vitro. <i>Scientific Reports</i> , 2020, 10, 15676.	1.6	14
13	The effect of TNF- $\alpha$ on osteoblasts in metal wear-induced periprosthetic bone loss. <i>Bone and Joint Research</i> , 2020, 9, 827-839.	1.3	7
14	A study of Titanium and Magnesium particle-induced oxidative stress and toxicity to human osteoblasts. <i>Materials Science and Engineering C</i> , 2020, 117, 111285.	3.8	27
15	Nanoparticle-Based Technology Approaches to the Management of Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6070.	1.8	36
16	miR-142-3p Regulates BDNF Expression in Activated Rodent Microglia Through Its Target CAMK2A. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 132.	1.8	18
17	Nanoparticle-Based Therapeutic Approach for Diabetic Wound Healing. <i>Nanomaterials</i> , 2020, 10, 1234.	1.9	83
18	Bone biology in postnatal Wistar rats following hypoxia-reoxygenation. <i>Histology and Histopathology</i> , 2020, 35, 111-124.	0.5	3

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19	Zika virus alters DNA methylation status of genes involved in Hippo signaling pathway in human neural progenitor cells. <i>Epigenomics</i> , 2019, 11, 1143-1161.	1.0	13
20	Activation of microglia in acute hippocampal slices affects activity-dependent long-term potentiation and synaptic tagging and capture in area CA1. <i>Neurobiology of Learning and Memory</i> , 2019, 163, 107039.	1.0	16
21	Microglia-mediated neuroinflammation in neurodegenerative diseases. <i>Seminars in Cell and Developmental Biology</i> , 2019, 94, 112-120.	2.3	472
22	Evidence that NLRC4 inflammasome mediates apoptotic and pyroptotic microglial death following ischemic stroke. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 34-47.	2.0	129
23	A composite 3D printed model of the midcarpal joint. <i>Anatomical Science International</i> , 2019, 94, 158-162.	0.5	5
24	Linearization and Labeling of Single-Stranded DNA for Optical Sequence Analysis. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 316-321.	2.1	8
25	Therapeutic Prospects in Preeclampsia - A Mini-Review. <i>Current Medicinal Chemistry</i> , 2019, 26, 4786-4798.	1.2	6
26	Transcriptome analysis reveals intermittent fasting-induced genetic changes in ischemic stroke. <i>Human Molecular Genetics</i> , 2018, 27, 1497-1513.	1.4	34
27	miR-28 Regulates Genes Associated with Inflammation and Fibrosis of Rat Kidney Cells <i>In Vitro</i> . <i>Anatomical Record</i> , 2018, 301, 913-921.	0.8	19
28	Evidence that NF- $\kappa$ B and MAPK Signaling Promotes NLRP Inflammasome Activation in Neurons Following Ischemic Stroke. <i>Molecular Neurobiology</i> , 2018, 55, 1082-1096.	1.9	245
29	Microglial SMAD4 regulated by microRNA-146a promotes migration of microglia which support tumor progression in a glioma environment. <i>Oncotarget</i> , 2018, 9, 24950-24969.	0.8	17
30	Recent progress in therapeutic strategies for microglia-mediated neuroinflammation in neuropathologies. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 765-781.	1.5	47
31	Role of microRNA-9 in the pathogenesis of Parkinson's Disease. <i>FASEB Journal</i> , 2018, 32, 545.6.	0.2	1
32	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
33	HDAC Inhibitor Sodium Butyrate-Mediated Epigenetic Regulation Enhances Neuroprotective Function of Microglia During Ischemic Stroke. <i>Molecular Neurobiology</i> , 2017, 54, 6391-6411.	1.9	169
34	Maternal Factors that Induce Epigenetic Changes Contribute to Neurological Disorders in Offspring. <i>Genes</i> , 2017, 8, 150.	1.0	90
35	Maternal Diabetes Alters Expression of MicroRNAs that Regulate Genes Critical for Neural Tube Development. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 237.	1.4	25
36	Production of proinflammatory mediators in activated microglia is synergistically regulated by Notch-1, glycogen synthase kinase (GSK-3 $\beta$ ) and NF- $\kappa$ B/p65 signalling. <i>PLoS ONE</i> , 2017, 12, e0186764.	1.1	44

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37	Role of dietary phenols in mitigating microglia-mediated neuroinflammation. <i>NeuroMolecular Medicine</i> , 2016, 18, 453-464.	1.8	49
38	Histone Modifications as Molecular Targets in Nasopharyngeal Cancer. <i>Current Medicinal Chemistry</i> , 2016, 23, 186-197.	1.2	14
39	MicroRNAs: Key Players in Microglia and Astrocyte Mediated Inflammation in CNS Pathologies. <i>Current Medicinal Chemistry</i> , 2016, 23, 3528-3546.	1.2	85
40	Sirtuin 3 regulates Foxo3a-mediated antioxidant pathway in microglia. <i>Neuroscience</i> , 2015, 311, 398-414.	1.1	107
41	Sphingosine kinase 2 and sphingosine-1-phosphate promotes mitochondrial function in dopaminergic neurons of mouse model of Parkinson's disease and in MPP <sup>+</sup> -treated MN9D cells in vitro. <i>Neuroscience</i> , 2015, 290, 636-648.	1.1	62
42	Epigenetic mechanisms in nanomaterial-induced toxicity. <i>Epigenomics</i> , 2015, 7, 395-411.	1.0	57
43	Paracrine Effects of Mesenchymal Stem Cells-Conditioned Medium on Microglial Cytokines Expression and Nitric Oxide Production. <i>NeuroImmunoModulation</i> , 2015, 22, 233-242.	0.9	38
44	Inhibition of LINE-1 retrotransposon-encoded reverse transcriptase modulates the expression of cell differentiation genes in breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2014, 143, 239-253.	1.1	44
45	Downregulation of miR-124 in MPTP-treated mouse model of Parkinson's disease and MPP iodide-treated MN9D cells modulates the expression of the calpain/cdk5 pathway proteins. <i>Neuroscience</i> , 2014, 272, 167-179.	1.1	109
46	microRNA-200b modulates microglia-mediated neuroinflammation via the cJun/MAPK pathway. <i>Journal of Neurochemistry</i> , 2014, 130, 388-401.	2.1	58
47	Runx1t1 (Runt-Related Transcription Factor 1; Translocated to, 1) Epigenetically Regulates the Proliferation and Nitric Oxide Production of Microglia. <i>PLoS ONE</i> , 2014, 9, e89326.	1.1	18
48	Nanomedicine and its Application in Treatment of Microglia-mediated Neuroinflammation. <i>Current Medicinal Chemistry</i> , 2014, 21, 4215-4226.	1.2	21
49	Toll-like receptor 4 mediates microglial activation and production of inflammatory mediators in neonatal rat brain following hypoxia: role of TLR4 in hypoxic microglia. <i>Journal of Neuroinflammation</i> , 2013, 10, 23.	3.1	236
50	Dihydropyrimidinase-like 3 regulates the inflammatory response of activated microglia. <i>Neuroscience</i> , 2013, 253, 40-54.	1.1	29
51	Differential gene expression profiles during embryonic heart development in diabetic mice pregnancy. <i>Gene</i> , 2013, 516, 218-227.	1.0	31
52	Notch-1 Signaling Regulates Microglia Activation via NF- $\kappa$ B Pathway after Hypoxic Exposure In Vivo and In Vitro. <i>PLoS ONE</i> , 2013, 8, e78439.	1.1	99
53	Analysis of Epigenetic Factors in Mouse Embryonic Neural Stem Cells Exposed to Hyperglycemia. <i>PLoS ONE</i> , 2013, 8, e65945.	1.1	41
54	Potential Drugs Targeting Microglia: Current Knowledge and Future Prospects. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 799-806.	0.8	19

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55	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
56	Transcriptome analysis of amoeboid and ramified microglia isolated from the corpus callosum of rat brain. <i>BMC Neuroscience</i> , 2012, 13, 64.	0.8	90
57	Frontiers in research on maternal diabetes-induced neural tube defects: Past, present and future. <i>World Journal of Diabetes</i> , 2012, 3, 196.	1.3	21
58	Disregulated Sphk1, Sphk2 and their receptors in the brain of MPTP-induced mouse model of Parkinson's disease. <i>FASEB Journal</i> , 2012, 26, 920.6.	0.2	0
59	MicroRNA-124 and its target gene are altered in the substantia nigra (SNc) of the brain of MPTP mouse model of Parkinson's disease. <i>FASEB Journal</i> , 2012, 26, 83.6.	0.2	0
60	The induction of epigenetic regulation of PROS1 gene in lung fibroblasts by gold nanoparticles and implications for potential lung injury. <i>Biomaterials</i> , 2011, 32, 7609-7615.	5.7	81
61	Dexamethasone inhibits the Nox-dependent ROS production via suppression of MKP-1-dependent MAPK pathways in activated microglia. <i>BMC Neuroscience</i> , 2011, 12, 49.	0.8	91
62	Expression of sphingosine kinase 1 in amoeboid microglial cells in the corpus callosum of postnatal rats. <i>Journal of Neuroinflammation</i> , 2011, 8, 13.	3.1	17
63	Expression of cyclooxygenase-2 and microsomal prostaglandin synthase in amoeboid microglial cells in the developing brain and effects of cyclooxygenase-2 neutralization on BV-2 microglial cells. <i>Journal of Neuroscience Research</i> , 2010, 88, 1577-1594.	1.3	11
64	Nuclear factor- $\kappa$ B/p65 responds to changes in the Notch signaling pathway in murine BV-2 cells and in amoeboid microglia in postnatal rats treated with the $\beta$ -secretase complex blocker DAPT. <i>Journal of Neuroscience Research</i> , 2010, 88, 2701-2714.	1.3	56
65	NG2, a member of chondroitin sulfate proteoglycans family mediates the inflammatory response of activated microglia. <i>Neuroscience</i> , 2010, 165, 386-394.	1.1	41
66	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
67	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
68	Upregulation of Dpysl2 and Spna2 gene expression in the rat brain after ischemic stroke. <i>Neurochemistry International</i> , 2009, 55, 235-242.	1.9	24
69	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
70	Expression of Notch-1 receptor and its ligands Jagged-1 and Delta-1 in amoeboid microglia in postnatal rat brain and murine BV-2 cells. <i>Glia</i> , 2008, 56, 1224-1237.	2.5	68
71	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
72	Microglial Activation and its Implications in the Brain Diseases. <i>Current Medicinal Chemistry</i> , 2007, 14, 1189-1197.	1.2	854

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73	2â€², 3â€²-cyclic nucleotide 3â€²-phosphodiesterase cells derived from transplanted marrow stromal cells and host tissue contribute to perineurial compartment formation in injured rat spinal cord. <i>Journal of Neuroscience Research</i> , 2007, 85, 116-130.	1.3	11
74	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
75	Dexamethasone suppresses monocyte chemoattractant protein-1 production via mitogen activated protein kinase phosphatase-1 dependent inhibition of Jun N-terminal kinase and p38 mitogen-activated protein kinase in activated rat microglia. <i>Journal of Neurochemistry</i> , 2007, 102, 667-678.	2.1	112
76	Aldose reductase is implicated in high glucose-induced oxidative stress in mouse embryonic neural stem cells. <i>Journal of Neurochemistry</i> , 2007, 103, 1654-1665.	2.1	19
77	From blood to brain: amoeboid microglial cell, a nascent macrophage and its functions in developing brain. <i>Acta Pharmacologica Sinica</i> , 2007, 28, 1087-1096.	2.8	43
78	Identification of differentially expressed genes in fetal rat forebrain exposed to a teratogen by cDNA microarray analysis. <i>Histology and Histopathology</i> , 2007, 22, 729-42.	0.5	3
79	Insulin-like growth factor I and II expression and modulation in amoeboid microglial cells by lipopolysaccharide and retinoic acid. <i>Neuroscience</i> , 2006, 138, 1233-1244.	1.1	49
80	High glucose alters the expression of genes involved in proliferation and cell-fate specification of embryonic neural stem cells. <i>Diabetologia</i> , 2006, 49, 1027-1038.	2.9	80
81	Retinoic acid inhibits expression of TNF-? and iNOS in activated rat microglia. <i>Glia</i> , 2005, 50, 21-31.	2.5	185
82	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
83	Differential expression of cytokines in the rat heart in response to sustained volume overload. <i>European Journal of Heart Failure</i> , 2004, 6, 693-703.	2.9	19
84	Interactions of Chemokines and Chemokine Receptors Mediate the Migration of Mesenchymal Stem Cells to the Impaired Site in the Brain After Hypoglossal Nerve Injury. <i>Stem Cells</i> , 2004, 22, 415-427.	1.4	402
85	Altered gene expression with abnormal patterning of the telencephalon in embryos of diabetic Albino Swiss mice. <i>Diabetologia</i> , 2004, 47, 523-531.	2.9	30
86	Enhanced inflammatory response in neural tubes of embryos derived from diabetic mice exposed to a teratogen. <i>Journal of Neuroscience Research</i> , 2004, 75, 554-564.	1.3	18
87	Identification of RANKL in Osteolytic Lesions of the Facial Skeleton. <i>Journal of Dental Research</i> , 2004, 83, 349-353.	2.5	58
88	Expression of chemokine receptors CXCR4, CCR2, CCR5 and CX3CR1 in neural progenitor cells isolated from the subventricular zone of the adult rat brain. <i>Neuroscience Letters</i> , 2004, 355, 236-240.	1.0	107
89	Acute cardiac injury induces glial cell response and activates extracellular signaling-regulated kinase-1 and -2 in the spinal cord of Wistar rats. <i>Neuroscience Letters</i> , 2004, 366, 34-38.	1.0	9
90	Distribution of NADPH-diaphorase and expression of nNOS, N-methyl-D-aspartate receptor (NMDAR1) and non-NMDA glutamate receptor (GlutR2) genes in the neurons of the hippocampus after domoic acid-induced lesions in adult rats. <i>Hippocampus</i> , 2003, 13, 260-272.	0.9	21

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91	Inducible nitric oxide synthase and bcl-2 expression in nasopharyngeal cancer: correlation with outcome of patients after radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 56, 837-845.	0.4	25
92	Enhanced expression of transforming growth factor-beta isoforms in the neural tube of embryos derived from diabetic mice exposed to cyclophosphamide. <i>Neuroscience Letters</i> , 2003, 351, 51-55.	1.0	2
93	Expression of macrophage colony-stimulating factor and its receptor in microglia activation is linked to teratogen-induced neuronal damage. <i>Neuroscience</i> , 2002, 112, 889-900.	1.1	38
94	Retinoic acid influences the expression of the neuronal regulatory genes Mash-1 and c-ret in the developing rat heart. <i>Neuroscience Letters</i> , 2002, 318, 129-132.	1.0	12
95	Retinoic acid influences Phox2 expression of cardiac ganglionic cells in the developing rat heart. <i>Neuroscience Letters</i> , 2002, 321, 41-44.	1.0	5
96	Molecular analysis of the vagal motoneuronal degeneration after right vagotomy. <i>Journal of Neuroscience Research</i> , 2002, 69, 406-417.	1.3	17
97	Induction of cytokine expression in rat post-ischemic sinoatrial node (SAN). <i>Cell and Tissue Research</i> , 2002, 310, 59-66.	1.5	13
98	Induction of cytokine expression in the brain macrophages/amoeboid microglia of the fetal rat exposed to a teratogen. <i>NeuroReport</i> , 2001, 12, 1391-1397.	0.6	16
99	Significance of metallothionein expression in breast myoepithelial cells. <i>Cell and Tissue Research</i> , 2001, 303, 221-226.	1.5	30
100	Response of amoeboid microglia/brain macrophages in fetal rat brain exposed to a teratogen. <i>Journal of Neuroscience Research</i> , 2001, 64, 79-93.	1.3	19
101	Domoic acid-induced neuronal damage in the rat hippocampus: Changes in apoptosis related genes (Bcl-2, Bax, caspase-3) and microglial response. <i>Journal of Neuroscience Research</i> , 2001, 66, 177-190.	1.3	71
102	Islet cell proliferation and apoptosis in insulin-like growth factor binding protein-1 in transgenic mice. <i>Journal of Endocrinology</i> , 1997, 155, 551-558.	1.2	16
103	Hyperglycemia and impaired glucose tolerance in IGF binding protein-1 transgenic mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1996, 270, E565-E571.	1.8	17
104	Effects of insulin-like growth factors (IGF) on pancreatic islet function in IGF binding protein-1 transgenic mice. <i>Diabetologia</i> , 1996, 39, 1249-1254.	2.9	20
105	Impaired glucose homeostasis in insulin-like growth factor binding protein-1 transgenic mice.. <i>Journal of Clinical Investigation</i> , 1996, 98, 1818-1825.	3.9	79
106	Localization of insulin-like immunoreactive neurons in the rat gracile nucleus. <i>Histology and Histopathology</i> , 1996, 11, 667-72.	0.5	3
107	Arginine Vasopressin- and Oxytocin-like Immunoreactive Neurons in the Hypothalamic Paraventricular and Supraoptic Nuclei of Streptozotocin-Induced Diabetic Rats.. <i>Archives of Histology and Cytology</i> , 1994, 57, 461-472.	0.2	22
108	Ultrastructural Changes in the Hypothalamic Paraventricular Nucleus of the Streptozotocin-Induced Diabetic Rat. <i>Cells Tissues Organs</i> , 1994, 149, 291-299.	1.3	9

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109	Ultrastructural changes in the hypothalamic supraoptic nucleus of the streptozotocin-induced diabetic rat. <i>Journal of Anatomy</i> , 1994, 184 ( Pt 3), 615-23.	0.9	2
110	Localization of insulin-like immunoreactive neurons in the hypothalamic paraventricular and supraoptic nuclei of streptozotocin-induced diabetic rats. <i>Journal für Hirnforschung</i> , 1994, 35, 487-94.	0.0	0
111	Ultrastructure of the cuneate nucleus in the streptozotocin-induced diabetic rat. <i>Journal für Hirnforschung</i> , 1994, 35, 253-62.	0.0	1
112	Cytotoxicity of Ti/SS316/Mg Particles on Human Osteoblasts. <i>Materials Science Forum</i> , 0, 1047, 128-133.	0.3	2
113	Biocompatibility and Mechanical Properties Evaluation of Ti-6Al-4V Lattice Structures with Varying Porosities. <i>Key Engineering Materials</i> , 0, 923, 21-29.	0.4	1