

Bela Anand-Apte or Bela Anand

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,894
citations

201674

27
h-index

175258

52
g-index

59
all docs

59
docs citations

59
times ranked

5177
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular matrix dysfunction in Sorsby patient-derived retinal pigment epithelium. <i>Experimental Eye Research</i> , 2022, 215, 108899.	2.6	6
2	3D iPSC modeling of the retinal pigment epithelium-choriocapillaris complex identifies factors involved in the pathology of macular degeneration. <i>Cell Stem Cell</i> , 2021, 28, 846-862.e8.	11.1	30
3	Hyperoxia Inhibits Proliferation of Retinal Endothelial Cells in a Myc-Dependent Manner. <i>Life</i> , 2021, 11, 614.	2.4	4
4	A novel TIMP3 mutation associated with a retinitis pigmentosa-like phenotype. <i>Ophthalmic Genetics</i> , 2020, 41, 480-484.	1.2	0
5	The retinal pigment epithelium in Sorsby Fundus Dystrophy shows increased sensitivity to oxidative stress-induced degeneration. <i>Redox Biology</i> , 2020, 37, 101681.	9.0	10
6	Primary cilia are present on endothelial cells of the hyaloid vasculature but are not required for the development of the blood-retinal barrier. <i>PLoS ONE</i> , 2020, 15, e0225351.	2.5	2
7	Role of FGF and Hyaluronan in Choroidal Neovascularization in Sorsby Fundus Dystrophy. <i>Cells</i> , 2020, 9, 608.	4.1	6
8	Inhibition of choroidal neovascularization by systemic delivery of gold nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102205.	3.3	15
9	Sorsby fundus dystrophy: <i>Insights from the past and looking to the future</i>. <i>Journal of Neuroscience Research</i> , 2019, 97, 88-97.	2.9	32
10	Changes in VEGF-related factors are associated with presence of inflammatory factors in carbohydrate metabolism disorders during pregnancy. <i>PLoS ONE</i> , 2019, 14, e0220650.	2.5	4
11	Prolonged ocular exposure leads to retinal lesions in mice. <i>Experimental Eye Research</i> , 2019, 185, 107672.	2.6	4
12	Heterogeneity of cultured melanocyte elongation and proliferation factor in bilateral diffuse uveal melanocytic proliferation. <i>Experimental Eye Research</i> , 2019, 184, 30-37.	2.6	9
13	Sorsby Fundus Dystrophy Mutation in Tissue Inhibitor of Metalloproteinase 3 (TIMP3) promotes Choroidal Neovascularization via a Fibroblast Growth Factor-dependent Mechanism. <i>Scientific Reports</i> , 2019, 9, 17429.	3.3	15
14	Endogenous insulin signaling in the RPE contributes to the maintenance of rod photoreceptor function in diabetes. <i>Experimental Eye Research</i> , 2019, 180, 63-74.	2.6	31
15	Retinoic acid signaling is essential for maintenance of the blood-retinal barrier. <i>FASEB Journal</i> , 2018, 32, 5674-5684.	0.5	24
16	Morphine alters the circulating proteolytic profile in mice: functional consequences on cellular migration and invasion. <i>FASEB Journal</i> , 2017, 31, 5208-5216.	0.5	16
17	A mutagenesis-derived mouse mutant with abnormal retinal vasculature and low bone mineral density. <i>Molecular Vision</i> , 2017, 23, 140-148.	1.1	7
18	Eotaxin-Rich Proangiogenic Hematopoietic Progenitor Cells and CCR3+ Endothelium in the Atopic Asthmatic Response. <i>Journal of Immunology</i> , 2016, 196, 2377-2387.	0.8	19

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19	Tissue inhibitor of metalloproteinase-3 (TIMP3) promotes endothelial apoptosis via a caspase-independent mechanism. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 523-534.	4.9	67
20	Retinal vasculature of adult zebrafish: In Vivo imaging using confocal scanning laser ophthalmoscopy. <i>Experimental Eye Research</i> , 2014, 129, 107-118.	2.6	11
21	Inhibition of EGF Signaling Protects the Diabetic Retina from Insulin-Induced Vascular Leakage. <i>American Journal of Pathology</i> , 2013, 183, 987-995.	3.8	49
22	Tissue Inhibitor of Metalloproteinases-3 Peptides Inhibit Angiogenesis and Choroidal Neovascularization in Mice. <i>PLoS ONE</i> , 2013, 8, e55667.	2.5	28
23	Altered Angiogenesis in Caveolin-1 Gene Deficient Mice Is Restored by Ablation of Endothelial Nitric Oxide Synthase. <i>American Journal of Pathology</i> , 2012, 180, 1702-1714.	3.8	33
24	A Review and Update on the Molecular Basis of Pathogenesis of Sorsby Fundus Dystrophy. <i>Advances in Experimental Medicine and Biology</i> , 2012, 723, 261-267.	1.6	24
25	Regulation of Retinal Vascular Permeability by Betacellulin. <i>Advances in Experimental Medicine and Biology</i> , 2012, 723, 293-298.	1.6	1
26	Increased Neovascularization in Mice Lacking Tissue Inhibitor of Metalloproteinases-3. , 2011, 52, 6117.		34
27	Rab13-dependent Trafficking of RhoA Is Required for Directional Migration and Angiogenesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 23511-23520.	3.4	49
28	A novel transgenic zebrafish model for blood-brain and blood-retinal barrier development. <i>BMC Developmental Biology</i> , 2010, 10, 76.	2.1	179
29	Betacellulin Induces Increased Retinal Vascular Permeability in Mice. <i>PLoS ONE</i> , 2010, 5, e13444.	2.5	24
30	Impaired function of circulating CD34+ CD45 ⁺ cells in patients with proliferative diabetic retinopathy. <i>Experimental Eye Research</i> , 2010, 91, 229-237.	2.6	52
31	Cross-Talk between Vascular Endothelial Growth Factor and Matrix Metalloproteinases in the Induction of Neovascularization in Vivo. <i>American Journal of Pathology</i> , 2010, 176, 496-503.	3.8	92
32	S156C Mutation in Tissue Inhibitor of Metalloproteinases-3 Induces Increased Angiogenesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 19927-19936.	3.4	40
33	Circulating Angiogenic Precursors in Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Pathology</i> , 2008, 172, 615-627.	3.8	158
34	Prolyl hydroxylase inhibition during hyperoxia prevents oxygen-induced retinopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19898-19903.	7.1	104
35	Caveolin-1 polarization in transmigrating endothelial cells requires binding to intermediate filaments. <i>Angiogenesis</i> , 2007, 10, 297-305.	7.2	28
36	Triamcinolone Acetonide Inhibits IL-6 and VEGF-Induced Angiogenesis Downstream of the IL-6 and VEGF Receptors. , 2006, 47, 4935.		63

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37	Carboxyethylpyrrole oxidative protein modifications stimulate neovascularization: Implications for age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13480-13484.	7.1	107
38	The Protective Role of T-Lymphocytes in Pulmonary Vascular Remodeling. Chest, 2005, 128, 571S-572S.	0.8	14
39	A role for caveolae in cell migration. FASEB Journal, 2004, 18, 1801-1811.	0.5	141
40	Tissue Inhibitor of Metalloproteinases-3 (TIMP-3) Is a Binding Partner of Epithelial Growth Factor-containing Fibulin-like Extracellular Matrix Protein 1 (EFEMP1). Journal of Biological Chemistry, 2004, 279, 30469-30473.	3.4	140
41	A novel function for tissue inhibitor of metalloproteinases-3 (TIMP3): inhibition of angiogenesis by blockage of VEGF binding to VEGF receptor-2. Nature Medicine, 2003, 9, 407-415.	30.7	616
42	A PI-3 kinase-dependent, Stat1-independent signaling pathway regulates interferon-stimulated monocyte adhesion. Journal of Leukocyte Biology, 2003, 73, 540-545.	3.3	53
43	Tissue Inhibitor of Metalloproteinases-3 and Sorsby Fundus Dystrophy. Advances in Experimental Medicine and Biology, 2003, 533, 97-105.	1.6	8
44	Expression of Sorsby's Fundus Dystrophy Mutations in Human Retinal Pigment Epithelial Cells Reduces Matrix Metalloproteinase Inhibition and May Promote Angiogenesis. Journal of Biological Chemistry, 2002, 277, 13394-13400.	3.4	50
45	A Direct Interaction between Oncogenic Ha-Ras and Phosphatidylinositol 3-Kinase Is Not Required for Ha-Ras-dependent Transformation of Epithelial Cells. Journal of Biological Chemistry, 2001, 276, 39755-39764.	3.4	12
46	Motility and invasion are differentially modulated by Rho family GTPases. Oncogene, 2000, 19, 580-591.	5.9	142
47	Corticotropin-Releasing Hormone Stimulates Angiogenesis and Epithelial Tumor Growth in the Skin. Journal of Investigative Dermatology, 1999, 113, 838-842.	0.7	49
48	Vascular Endothelial Growth Factor-Induced Migration of Vascular Smooth Muscle Cells in Vitro. Microvascular Research, 1999, 58, 128-136.	2.5	197
49	Platelet-derived Growth Factor and Fibronectin-stimulated Migration Are Differentially Regulated by the Rac and Extracellular Signal-regulated Kinase Pathways. Journal of Biological Chemistry, 1997, 272, 30688-30692.	3.4	162
50	Signaling Mechanisms in Growth Factor-stimulated Cell Motility. Stem Cells, 1997, 15, 259-267.	3.2	83
51	A review of tissue inhibitor of metalloproteinases-3 (TIMP-3) and experimental analysis of its effect on primary tumor growth. Biochemistry and Cell Biology, 1996, 74, 853-862.	2.0	149
52	Thymosin β 15: A novel regulator of tumor cell motility upregulated in metastatic prostate cancer. Nature Medicine, 1996, 2, 1322-1328.	30.7	150
53	Differential Endothelial Migration and Proliferation to Basic Fibroblast Growth Factor and Vascular Endothelial Growth Factor. Growth Factors, 1996, 13, 57-64.	1.7	233
54	Heterodimers of Placenta Growth Factor/Vascular Endothelial Growth Factor. Journal of Biological Chemistry, 1996, 271, 3154-3162.	3.4	262

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55	New Activity of Spironolactone. Circulation, 1996, 94, 2566-2571.	1.6	54