Kristina I BostrÃ¶m

List of Publications by Year
in descending order

59 papers	2,645 citations	257450 24 h-index	189892 50 g-index
59 all docs	59 docs citations	59 times ranked	3388 citing authors

#	Article	IF	Citations
1	Matrix GLA Protein, a Regulatory Protein for Bone Morphogenetic Protein-2. Journal of Biological Chemistry, 2002, 277, 4388-4394.	3.4	308
2	The Regulation of Valvular and Vascular Sclerosis by Osteogenic Morphogens. Circulation Research, 2011, 109, 564-577.	4.5	226
3	Inhibition of Bone Morphogenetic Proteins Protects Against Atherosclerosis and Vascular Calcification. Circulation Research, 2010, 107, 485-494.	4.5	224
4	A Role for the Endothelium in Vascular Calcification. Circulation Research, 2013, 113, 495-504.	4.5	180
5	Activation of Vascular Bone Morphogenetic Protein Signaling in Diabetes Mellitus. Circulation Research, 2011, 108, 446-457.	4.5	150
6	Pattern formation by vascular mesenchymal cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9247-9250.	7.1	127
7	Expression of vascular endothelial growth factor is coordinately regulated by the activin-like kinase receptors 1 and 5 in endothelial cells. Blood, 2009, 114, 2197-2206.	1.4	126
8	Matrix GLA Protein Stimulates VEGF Expression through Increased Transforming Growth Factor-Î²1 Activity in Endothelial Cells. Journal of Biological Chemistry, 2004, 279, 52904-52913.	3.4	104
9	Regulation of Bone Morphogenetic Protein-4 by Matrix GLA Protein in Vascular Endothelial Cells Involves Activin-like Kinase Receptor 1. Journal of Biological Chemistry, 2006, 281, 33921-33930.	3.4	104
10	Matrix Gla protein deficiency causes arteriovenous malformations in mice. Journal of Clinical Investigation, 2011, 121, 2993-3004.	8.2	79
11	Serine Protease Activation Essential for Endothelialâ€“Mesenchymal Transition in Vascular Calcification. Circulation Research, 2015, 117, 758-769.	4.5	77
12	Proline and Î³-Carboxylated Glutamate Residues in Matrix Gla Protein Are Critical for Binding of Bone Morphogenetic Protein-4. Circulation Research, 2008, 102, 1065-1074.	4.5	67
13	Endothelial-mesenchymal transition in atherosclerotic lesion calcification. Atherosclerosis, 2016, 253, 124-127.	0.8	60
14	Beyond the bone: Bone morphogenetic protein signaling in adipose tissue. Obesity Reviews, 2019, 20, 648-658.	6.5	60
15	Crossveinless 2 regulates bone morphogenetic protein 9 in human and mouse vascular endothelium. Blood, 2012, 119, 5037-5047.	1.4	57
16	Reducing Jagged 1 and 2 levels prevents cerebral arteriovenous malformations in matrix Gla protein deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19071-19076.	7.1	57
17	Periodontitis-induced systemic inflammation exacerbates atherosclerosis partly via endothelialâ€“mesenchymal transition in mice. International Journal of Oral Science, 2019, 11, 21.	8.6	52
18	Where do we stand on vascular calcification?. Vascular Pharmacology, 2016, 84, 8-14.	2.1	46

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19	HOXB7 overexpression promotes differentiation of C3H10T1/2 cells to smooth muscle cells. Journal of Cellular Biochemistry, 2000, 78, 210-221.	2.6	44
20	High-Density Lipoproteins Affect Endothelial BMP-Signaling by Modulating Expression of the Activin-Like Kinase Receptor 1 and 2. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 2266-2274.	2.4	44
21	Pluripotent Stem Cells Derived From Mouse and Human White Mature Adipocytes. Stem Cells Translational Medicine, 2014, 3, 161-171.	3.3	43
22	SOX Transcription Factors in Endothelial Differentiation and Endothelial-Mesenchymal Transitions. Frontiers in Cardiovascular Medicine, 2019, 6, 30.	2.4	34
23	Dedifferentiated fat cells: A cell source for regenerative medicine. World Journal of Stem Cells, 2015, 7, 1202.	2.8	30
24	Matrix Gla protein regulates differentiation of endothelial cells derived from mouse embryonic stem cells. Angiogenesis, 2016, 19, 1-7.	7.2	30
25	Elevated endothelial Sox2 causes lumen disruption and cerebral arteriovenous malformations. Journal of Clinical Investigation, 2019, 129, 3121-3133.	8.2	27
26	Vascular endothelium plays a key role in directing pulmonary epithelial cell differentiation. Journal of Cell Biology, 2017, 216, 3369-3385.	5.2	26
27	Effect of Diabetes Mellitus on Adipocyte-Derived Stem Cells in Rat. Journal of Cellular Physiology, 2015, 230, 2821-2828.	4.1	25
28	The Mechanobiology of Endothelial-to-Mesenchymal Transition in Cardiovascular Disease. Frontiers in Physiology, 2021, 12, 734215.	2.8	23
29	Endothelial-Mesenchymal Transition in Vascular Calcification of Ins2Akita/+ Mice. PLoS ONE, 2016, 11, e0167936.	2.5	23
30	Rosuvastatin Prevents the Exacerbation of Atherosclerosis in Ligature-Induced Periodontal Disease Mouse Model. Scientific Reports, 2020, 10, 6383.	3.3	20
31	Crosstalk between BMP and Notch Induces Sox2 in Cerebral Endothelial Cells. Cells, 2019, 8, 549.	4.1	19
32	Noggin depletion in adipocytes promotes obesity in mice. Molecular Metabolism, 2019, 25, 50-63.	6.5	14
33	Transgenic tomatoes expressing the 6F peptide and ezetimibe prevent diet-induced increases of IFN-Î² and cholesterol 25-hydroxylase in jejunum. Journal of Lipid Research, 2017, 58, 1636-1647.	4.2	13
34	Contributions of the Endothelium to Vascular Calcification. Frontiers in Cell and Developmental Biology, 2021, 9, 620882.	3.7	13
35	Shifting osteogenesis in vascular calcification. JCI Insight, 2021, 6, .	5.0	12
36	Angiopoietin-2 predicts morbidity in adults with Fontan physiology. Scientific Reports, 2019, 9, 18328.	3.3	11

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37	Concise Review: Applying Stem Cell Biology to Vascular Structures. Stem Cells, 2012, 30, 386-391.	3.2	10
38	ABCC6 deficiency is associated with activation of BMP signaling in liver and kidney. FEBS Open Bio, 2015, 5, 257-263.	2.3	9
39	Combined effects of bone morphogenetic protein 10 and crossveinlessâ€2 on cardiomyocyte differentiation in mouse adipocyteâ€derived stem cells. Journal of Cellular Physiology, 2018, 233, 1812-1822.	4.1	9
40	Matrix Gla protein limits pulmonary arteriovenous malformations in ALK1 deficiency. European Respiratory Journal, 2015, 45, 849-852.	6.7	7
41	Severe Sleep Apnea Associated With Increased Systemic Inflammation and Decreased Serum Bilirubin. Journal of Oral and Maxillofacial Surgery, 2019, 77, 2318-2323.	1.2	7
42	Endothelial Cells May Have Tissue-Specific Origins. , 2018, 1, .		7
43	Shaping Waves of Bone Morphogenetic Protein Inhibition During Vascular Growth. Circulation Research, 2020, 127, 1288-1305.	4.5	6
44	Homeobox D3, A Novel Link Between Bone Morphogenetic Protein 9 and Transforming Growth Factor Beta 1 Signaling. Journal of Molecular Biology, 2020, 432, 2030-2041.	4.2	6
45	Three-dimensional Imaging Coupled with Topological Quantification Uncovers Retinal Vascular Plexuses Undergoing Obliteration. Theranostics, 2021, 11, 1162-1175.	10.0	6
46	Pronethalol Reduces Sox2 (SRY [Sex-Determining Region Y]-Box 2) to Ameliorate Vascular Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 931-933.	2.4	4
47	DNA Damage Response, Runx2 (Runt-Related Transcription Factor 2), and Vascular Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1358-1359.	2.4	4
48	Novel Structures of Type 1 Glyceraldehyde-3-phosphate Dehydrogenase from Escherichia coli Provide New Insights into the Mechanism of Generation of 1,3-Bisphosphoglyceric Acid. Biomolecules, 2021, 11, 1565.	4.0	4
49	Progenitor cells from brown adipose tissue undergo neurogenic differentiation. Scientific Reports, 2022, 12, 5614.	3.3	3
50	Pronethalol decreases RBPJÎº to reduce Sox2 in cerebral arteriovenous malformation. Vascular Medicine, 2020, 25, 569-571.	1.5	2
51	Elevated White Blood Cell Count Resultant Atherogenesis is Associated With Panoramic-Imaged Carotid Plaque. Journal of Oral and Maxillofacial Surgery, 2021, 79, 1069-1073.	1.2	2
52	Oral and Maxillofacial Surgeons' Opportunity to Identify Patients at Heightened Risk of a First Myocardial Infarction. Journal of Oral and Maxillofacial Surgery, 2018, 76, 2041-2043.	1.2	1
53	The Shifting Nature of Endothelial Progenitor Cells in Aortic Stenosis. Mayo Clinic Proceedings, 2019, 94, 567-569.	3.0	1
54	Skip is essential for Notch signaling to induce Sox2 in cerebral arteriovenous malformations. Cellular Signalling, 2020, 68, 109537.	3.6	1

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55	Options for COVID-19 Entry into Pulmonary Cells. Biomedical Journal of Scientific & Technical Research, 2020, 29, 22337-22338.	0.1	1
56	Inhibition of bone morphogenetic protein protects against atherosclerosis and vascular calcification. FASEB Journal, 2010, 24, 116.1.	0.5	0
57	Bone morphogenetic protein signaling is essential for correct vascularization of lungs and kidneys. FASEB Journal, 2010, 24, 235.1.	0.5	0
58	Abstract 605: Bone Morphogenetic Protein Inhibitors Play Important Roles in Brown and White Adipogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
59	Generation of Vascular Networks from Adipocytes. International Journal of Cell Science & Molecular Biology, 2019, 6, .	0.1	0