Sreenivasan Ponnambalam

List of Publications by Year
in descending order

94	3,682	94433	144013
papers	citations	37 h-index	57 g-index

98	98	98	5529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biochemistry and cell biology of mammalian scavenger receptors. Atherosclerosis, 2005, 182, 1-15.	0.8	302
2	Scavenger Receptor Structure and Function in Health and Disease. Cells, 2015, 4, 178-201.	4.1	267
3	Intrinsic Tyrosine Kinase Activity is Required for Vascular Endothelial Growth Factor Receptor 2 Ubiquitination, Sorting and Degradation in Endothelial Cells. Traffic, 2006, 7, 1270-1282.	2.7	165
4	Affimer proteins are versatile and renewable affinity reagents. ELife, 2017, 6, .	6.0	151
5	The lectin-like oxidized low-density-lipoprotein receptor: a pro-inflammatory factor in vascular disease. Biochemical Journal, 2008, 409, 349-355.	3.7	133
6	Ligandâ€Stimulated VEGFR2 Signaling is Regulated by Coâ€Ordinated Trafficking and Proteolysis. Traffic, 2010, 11, 161-174.	2.7	124
7	Clathrin light chains: arrays of protein motifs that regulate coated-vesicle dynamics. Trends in Biochemical Sciences, 1991, 16, 208-213.	7.5	87
8	LOX-1 scavenger receptor mediates calcium-dependent recognition of phosphatidylserine and apoptotic cells. Biochemical Journal, 2006, 393, 107-115.	3.7	77
9	Mutations that reduce expression from the P2 promoter of the Escherichia coli galactose operon. Gene, 1986, 41, 67-74.	2.2	69
10	Atherosclerosis and the Lectin-like OXidized Low-Density Lipoprotein Scavenger Receptor. Trends in Cardiovascular Medicine, 2006, 16, 60-64.	4.9	65
11	Rab GTPase Regulation of VEGFR2 Trafficking and Signaling in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1119-1124.	2.4	65
12	Scavenger Receptors and Their Potential as Therapeutic Targets in the Treatment of Cardiovascular Disease. International Journal of Hypertension, 2010, 2010, 1-21.	1.3	65
13	Constitutive protein secretion from the trans -Golgi network to the plasma membrane (Review). Molecular Membrane Biology, 2003, 20, 129-139.	2.0	64
14	The VEGFR2 receptor tyrosine kinase undergoes constitutive endosome-to-plasma membrane recycling. Biochemical and Biophysical Research Communications, 2011, 410, 170-176.	2.1	61
15	Oxidised LDL internalisation by the LOX-1 scavenger receptor is dependent on a novel cytoplasmic motif and is regulated by dynamin-2. Journal of Cell Science, 2008, 121, 2136-2147.	2.0	60
16	Chemical activation of the Piezo1 channel drives mesenchymal stem cell migration via inducing ATP release and activation of P2 receptor purinergic signaling. Stem Cells, 2020, 38, 410-421.	3.2	60
17	IL-36Î³ Is a Strong Inducer of IL-23 in Psoriatic Cells and Activates Angiogenesis. Frontiers in Immunology, 2018, 9, 200.	4.8	58
18	Endosome-to-Plasma Membrane Recycling of VEGFR2 Receptor Tyrosine Kinase Regulates Endothelial Function and Blood Vessel Formation. Cells, 2014, 3, 363-385.	4.1	56

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19	Trafficking of the Menkes copper transporter ATP7A is regulated by clathrin-, AP-2â€“, AP-1â€“, and Rab22-dependent steps. Molecular Biology of the Cell, 2013, 24, 1735-1748.	2.1	55
20	A Heat-Shock Protein Axis Regulates VEGFR2 Proteolysis, Blood Vessel Development and Repair. PLoS ONE, 2012, 7, e48539.	2.5	54
21	The Confluence-dependent Interaction of Cytosolic Phospholipase A2-Î± with Annexin A1 Regulates Endothelial Cell Prostaglandin E2 Generation. Journal of Biological Chemistry, 2007, 282, 34468-34478.	3.4	53
22	Evidence for Prebudding Arrest of ER Export in Animal Cell Mitosis and its Role in Generating Golgi Partitioning Intermediates. Traffic, 2001, 2, 321-335.	2.7	51
23	VEGF-A-stimulated signalling in endothelial cells via a dual receptor tyrosine kinase system is dependent on co-ordinated trafficking and proteolysis. Biochemical Society Transactions, 2009, 37, 1193-1197.	3.4	51
24	The cellular response to vascular endothelial growth factors requires co-ordinated signal transduction, trafficking and proteolysis. Bioscience Reports, 2015, 35, .	2.4	50
25	Kir6.2 mutations causing neonatal diabetes prevent endocytosis of ATP-sensitive potassium channels. EMBO Journal, 2006, 25, 4142-4151.	7.8	49
26	Novel membrane traffic steps regulate the exocytosis of the Menkes disease ATPase. Human Molecular Genetics, 2002, 11, 2855-2866.	2.9	47
27	Cell Biology of Membrane Trafficking in Human Disease. International Review of Cytology, 2006, 252, 1-69.	6.2	47
28	VEGFR1 receptor tyrosine kinase localization to the Golgi apparatus is calcium-dependent. Experimental Cell Research, 2009, 315, 877-889.	2.6	44
29	Vascular endothelial growth factors: multitasking functionality in metabolism, health and disease. Journal of Inherited Metabolic Disease, 2015, 38, 753-763.	3.6	44
30	The Manganese Cation Disrupts Membrane Dynamics along the Secretory Pathway. Experimental Cell Research, 2000, 259, 167-179.	2.6	43
31	Hypoxia differentially regulates VEGFR1 and VEGFR2 levels and alters intracellular signaling and cell migration in endothelial cells. Biochemical and Biophysical Research Communications, 2011, 404, 774-779.	2.1	43
32	VEGF-A isoforms program differential VEGFR2 signal transduction, trafficking and proteolysis. Biology Open, 2016, 5, 571-583.	1.2	43
33	Receptor Tyrosine Kinase Ubiquitination and De-Ubiquitination in Signal Transduction and Receptor Trafficking. Cells, 2018, 7, 22.	4.1	43
34	Structural Basis for Vascular Endothelial Growth Factor Receptor Activation and Implications for Disease Therapy. Biomolecules, 2020, 10, 1673.	4.0	43
35	Endothelial cell confluence regulates Weibel-Palade body formation. Molecular Membrane Biology, 2004, 21, 413-421.	2.0	42
36	Antigen endocytosis and presentation mediated by human membrane IgG1 in the absence of the IgÎ±/IgÎ² dimer. EMBO Journal, 1997, 16, 3842-3850.	7.8	41

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37	Aberrant trafficking of transmembrane proteins in human disease. Trends in Cell Biology, 2003, 13, 639-647.	7.9	40
38	The Menkes disease ATPase (ATP7A) is internalized via a Rac1-regulated, clathrin- and caveolae-independent pathway. Human Molecular Genetics, 2003, 12, 1523-1533.	2.9	40
39	The <scp>S</scp>100A6 calciumâ€binding protein regulates endothelial cellâ€cycle progression and senescence. FEBS Journal, 2012, 279, 4576-4588.	4.7	40
40	Purinergic and Store-Operated Ca2+ Signaling Mechanisms in Mesenchymal Stem Cells and Their Roles in ATP-Induced Stimulation of Cell Migration. Stem Cells, 2016, 34, 2102-2114.	3.2	39
41	Extracellular and Luminal pH Regulation by Vacuolar H+-ATPase Isoform Expression and Targeting to the Plasma Membrane and Endosomes. Journal of Biological Chemistry, 2016, 291, 8500-8515.	3.4	37
42	VEGF-A isoforms differentially regulate ATF-2â€“dependent VCAM-1 gene expression and endothelialâ€“leukocyte interactions. Molecular Biology of the Cell, 2014, 25, 2509-2521.	2.1	35
43	Association of cPLA2-Î± and COX-1 with the Golgi apparatus of A549 human lung epithelial cells. Journal of Cell Science, 2003, 116, 2303-2310.	2.0	34
44	Activation of Cytosolic Phospholipase A2-Î± as a Novel Mechanism Regulating Endothelial Cell Cycle Progression and Angiogenesis. Journal of Biological Chemistry, 2009, 284, 5784-5796.	3.4	33
45	The Golgi apparatus is a functionally distinct Ca ²⁺ store regulated by the PKA and Epac branches of the Î² ₁ -adrenergic signaling pathway. Science Signaling, 2015, 8, ra101.	3.6	32
46	A combinatorial in silico and cellular approach to identify a new class of compounds that target VEGFR2 receptor tyrosine kinase activity and angiogenesis. British Journal of Pharmacology, 2012, 166, 737-748.	5.4	31
47	Nuclear localisation of cytosolic phospholipase A2-Î± in the EA.hy.926 human endothelial cell line is proliferation dependent and modulated by phosphorylation. Journal of Cell Science, 2002, 115, 4533-4543.	2.0	29
48	Cytosolic phospholipaseâ€ƒA2-Î± and cyclooxygenase-2 localize to intracellular membranes of EA.hy.926 endothelial cells that are distinct from the endoplasmic reticulum and the Golgi apparatus. FEBS Journal, 2005, 272, 1278-1290.	4.7	29
49	<scp>VEGFR2</scp> Trafficking, Signaling and Proteolysis is Regulated by the Ubiquitin Isopeptidase <scp>USP8</scp>. Traffic, 2016, 17, 53-65.	2.7	29
50	The trans Golgi Network Is Lost from Cells Infected with African Swine Fever Virus. Journal of Virology, 2001, 75, 11755-11765.	3.4	24
51	Studies with theEscherichia coligalactose operon regulatory region carrying a point mutation that simultaneously inactivates the two overlapping promoters Interactions with RNA polymerase and the cyclic AMP receptor protein. FEBS Letters, 1987, 219, 189-196.	2.8	23
52	VEGF-A isoform-specific regulation of calcium ion flux, transcriptional activation and endothelial cell migration. Biology Open, 2015, 4, 731-742.	1.2	23
53	Actin and microtubule regulation ofTrans-Golgi network architecture, and copper-dependent protein transport to the cell surface. Molecular Membrane Biology, 2004, 21, 59-66.	2.0	22
54	African Swine Fever Virus Causes Microtubule-Dependent Dispersal of thetrans-Golgi Network and Slows Delivery of Membrane Protein to the PlasmaMembrane. Journal of Virology, 2006, 80, 11385-11392.	3.4	21

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55	Restoring Akt1 Activity in Outgrowth Endothelial Cells From South Asian Men Rescues Vascular Reparative Potential. Stem Cells, 2014, 32, 2714-2723.	3.2	18
56	Indolinones and anilinophthalazines differentially target VEGFâ€Aâ€•and basic fibroblast growth factorâ€•mediated responses in primary human endothelial cells. British Journal of Pharmacology, 2012, 165, 245-259.	5.4	17
57	Vascular Endothelial Growth Factor A-Stimulated Signaling from Endosomes in Primary Endothelial Cells. Methods in Enzymology, 2014, 535, 265-292.	1.0	17
58	Evolution of the VEGF-Regulated Vascular Network from a Neural Guidance System. Molecular Neurobiology, 2011, 43, 192-206.	4.0	16
59	RNA polymerase molecules initiating transcription at tandem promoters can collide and cause premature transcription termination. FEBS Letters, 1987, 212, 21-27.	2.8	15
60	Ubiquitination of basal VEGFR2 regulates signal transduction and endothelial function. Biology Open, 2017, 6, 1404-1415.	1.2	15
61	Binding of Escherichia coli RNA polymerase to a promoter carrying mutations that stop transcription initiation. Journal of Molecular Biology, 1987, 195, 745-748.	4.2	13
62	Protein secretion: Sorting sweet sorting. Current Biology, 1996, 6, 1076-1078.	3.9	13
63	A Novel p53 Mutant Found in Iatrogenic Urothelial Cancers Is Dysfunctional and Can Be Rescued by a Second-site Global Suppressor Mutation*. Journal of Biological Chemistry, 2013, 288, 16704-16714.	3.4	13
64	Chromosomal Location and Some Structural Features of Human Clathrin Light-Chain Genes (CLTA and) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	12
65	Functional refolding of a recombinant C-type lectin-like domain containing intramolecular disulfide bonds. Protein Expression and Purification, 2007, 52, 415-421.	1.3	12
66	In Silico Design and Biological Evaluation of a Dual Specificity Kinase Inhibitor Targeting Cell Cycle Progression and Angiogenesis. PLoS ONE, 2014, 9, e110997.	2.5	12
67	The role of lectin-like oxidised low-density lipoprotein receptor-1 in vascular pathology. Diabetes and Vascular Disease Research, 2014, 11, 410-418.	2.0	12
68	Clinical and Preclinical Use of LOX-1-Specific Antibodies in Diagnostics and Therapeutics. Journal of Cardiovascular Translational Research, 2015, 8, 458-465.	2.4	12
69	Receptor tyrosine kinase structure and function in health and disease. AIMS Biophysics, 2015, 2, 476-502.	0.6	12
70	An integrative model for vascular endothelial growth factor A as a tumour biomarker. Integrative Biology (United Kingdom), 2010, 2, 397.	1.3	11
71	Sorting Motifs in the Cytoplasmic Tail of the Immunomodulatory E3/49K Protein of Species D Adenoviruses Modulate Cell Surface Expression and Ectodomain Shedding. Journal of Biological Chemistry, 2016, 291, 6796-6812.	3.4	11
72	Deciphering soluble and membrane protein function using yeast systems (Review). Molecular Membrane Biology, 2009, 26, 127-135.	2.0	10

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73	The LOX-1 scavenger receptor cytoplasmic domain contains a transplantable endocytic motif. Biochemical and Biophysical Research Communications, 2009, 383, 269-274.	2.1	9
74	Scavenger Receptors as Biomarkers and Therapeutic Targets in Cardiovascular Disease. Cells, 2020, 9, 2453.	4.1	9
75	Fibrinogen interaction with complement C3: a potential therapeutic target to reduce thrombosis risk. Haematologica, 2021, 106, 1616-1623.	3.5	9
76	Regulation of follistatin-like 3 expression by miR-486-5p modulates gastric cancer cell proliferation, migration and tumor progression. Aging, 2021, 13, 20302-20318.	3.1	9
77	TDO2 modulates liver cancer cell migration and invasion via the Wnt5a pathway. International Journal of Oncology, 2022, 60, .	3.3	8
78	Stimulation-dependent recruitment of cytosolic phospholipase A2-Î± to EA.hy.926 endothelial cell membranes leads to calcium-independent association. FEBS Journal, 2004, 271, 69-77.	0.2	7
79	Biomarkers in Peripheral Arterial Disease. Trends in Cardiovascular Medicine, 2009, 19, 147-151.	4.9	7
80	CHARACTERIZATION AND REGULATION OF CONSTITUTIVE TRANSPORT INTERMEDIATES INVOLVED IN TRAFFICKING FROM THE TRANS -GOLGI NETWORK. Cell Biology International, 2001, 25, 705-713.	3.0	6
81	A VE-cadherinâ€“PAR3â€“Î±-catenin complex regulates the Golgi localization and activity of cytosolic phospholipase A₂Î± in endothelial cells. Molecular Biology of the Cell, 2012, 23, 1783-1796.	2.1	6
82	A biphasic endothelial stress-survival mechanism regulates the cellular response to vascular endothelial growth factor A. Experimental Cell Research, 2012, 318, 2297-2311.	2.6	6
83	Receptor Tyrosine Kinase Inhibitors. , 2016, , 3940-3946.		6
84	Tpl2 is required for VEGF-A-stimulated signal transduction and endothelial cell function. Biology Open, 2019, 8, .	1.2	5
85	Prognostic value of members of NFAT family for pan-cancer and a prediction model based on NFAT2 in bladder cancer. Aging, 2021, 13, 13876-13897.	3.1	5
86	Foreword: Protein secretion and the Golgi apparatus. Molecular Membrane Biology, 2003, 20, 97-98.	2.0	4
87	ATF-2 and Tpl2 regulation of endothelial cell cycle progression and apoptosis. Cellular Signalling, 2020, 66, 109481.	3.6	4
88	Detection and Quantification of Vascular Endothelial Growth Factor Receptor Tyrosine Kinases in Primary Human Endothelial Cells. Methods in Molecular Biology, 2015, 1332, 49-65.	0.9	4
89	Identification of Receptor Tyrosine Kinase Inhibitors Using Cell Surface Biotinylation and Affinity Isolation. Methods in Molecular Biology, 2015, 1332, 121-131.	0.9	1
90	Purification and Analysis of Circulating Lipid Particles. Methods in Molecular Biology, 2022, 2419, 193-212.	0.9	1

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91	VEGFR endocytosis: Implications for angiogenesis. Progress in Molecular Biology and Translational Science, 2023, , 109-139.	1.7	1
92	Different sorts for different sprouts. Blood, 2011, 118, 490-491.	1.4	0
93	Affinity purification of fibrinogen using an Affimer column. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130115.	2.4	0
94	Monitoring VEGF-Stimulated Calcium Ion Flux in Endothelial Cells. Methods in Molecular Biology, 2022, 2475, 113-124.	0.9	0