

Sreenivasan Ponnambalam

List of Publications by Year in descending order

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94
papers

3,682
citations

94269

37
h-index

143772

57
g-index

98
all docs

98
docs citations

98
times ranked

5529
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemistry and cell biology of mammalian scavenger receptors. <i>Atherosclerosis</i> , 2005, 182, 1-15.	0.4	302
2	Scavenger Receptor Structure and Function in Health and Disease. <i>Cells</i> , 2015, 4, 178-201.	1.8	267
3	Intrinsic Tyrosine Kinase Activity is Required for Vascular Endothelial Growth Factor Receptor 2 Ubiquitination, Sorting and Degradation in Endothelial Cells. <i>Traffic</i> , 2006, 7, 1270-1282.	1.3	165
4	Affimer proteins are versatile and renewable affinity reagents. <i>ELife</i> , 2017, 6, .	2.8	151
5	The lectin-like oxidized low-density-lipoprotein receptor: a pro-inflammatory factor in vascular disease. <i>Biochemical Journal</i> , 2008, 409, 349-355.	1.7	133
6	Ligandâ€stimulated VEGFR2 Signaling is Regulated by Coâ€ordinated Trafficking and Proteolysis. <i>Traffic</i> , 2010, 11, 161-174.	1.3	124
7	Clathrin light chains: arrays of protein motifs that regulate coated-vesicle dynamics. <i>Trends in Biochemical Sciences</i> , 1991, 16, 208-213.	3.7	87
8	LOX-1 scavenger receptor mediates calcium-dependent recognition of phosphatidylserine and apoptotic cells. <i>Biochemical Journal</i> , 2006, 393, 107-115.	1.7	77
9	Mutations that reduce expression from the P2 promoter of the Escherichia coli galactose operon. <i>Gene</i> , 1986, 41, 67-74.	1.0	69
10	Atherosclerosis and the Lectin-like OXidized Low-Density Lipoprotein Scavenger Receptor. <i>Trends in Cardiovascular Medicine</i> , 2006, 16, 60-64.	2.3	65
11	Rab GTPase Regulation of VEGFR2 Trafficking and Signaling in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1119-1124.	1.1	65
12	Scavenger Receptors and Their Potential as Therapeutic Targets in the Treatment of Cardiovascular Disease. <i>International Journal of Hypertension</i> , 2010, 2010, 1-21.	0.5	65
13	Constitutive protein secretion from the trans -Golgi network to the plasma membrane (Review). <i>Molecular Membrane Biology</i> , 2003, 20, 129-139.	2.0	64
14	The VEGFR2 receptor tyrosine kinase undergoes constitutive endosome-to-plasma membrane recycling. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 170-176.	1.0	61
15	Oxidised LDL internalisation by the LOX-1 scavenger receptor is dependent on a novel cytoplasmic motif and is regulated by dynamin-2. <i>Journal of Cell Science</i> , 2008, 121, 2136-2147.	1.2	60
16	Chemical activation of the Piezo1 channel drives mesenchymal stem cell migration via inducing ATP release and activation of P2 receptor purinergic signaling. <i>Stem Cells</i> , 2020, 38, 410-421.	1.4	60
17	IL-36Î³ Is a Strong Inducer of IL-23 in Psoriatic Cells and Activates Angiogenesis. <i>Frontiers in Immunology</i> , 2018, 9, 200.	2.2	58
18	Endosome-to-Plasma Membrane Recycling of VEGFR2 Receptor Tyrosine Kinase Regulates Endothelial Function and Blood Vessel Formation. <i>Cells</i> , 2014, 3, 363-385.	1.8	56

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19	Trafficking of the Menkes copper transporter ATP7A is regulated by clathrin-, AP-2 and AP-1 dependent steps. <i>Molecular Biology of the Cell</i> , 2013, 24, 1735-1748.	0.9	55
20	A Heat-Shock Protein Axis Regulates VEGFR2 Proteolysis, Blood Vessel Development and Repair. <i>PLoS ONE</i> , 2012, 7, e48539.	1.1	54
21	The Confluence-dependent Interaction of Cytosolic Phospholipase A2 with Annexin A1 Regulates Endothelial Cell Prostaglandin E2 Generation. <i>Journal of Biological Chemistry</i> , 2007, 282, 34468-34478.	1.6	53
22	Evidence for Prebudding Arrest of ER Export in Animal Cell Mitosis and its Role in Generating Golgi Partitioning Intermediates. <i>Traffic</i> , 2001, 2, 321-335.	1.3	51
23	VEGF-A-stimulated signalling in endothelial cells via a dual receptor tyrosine kinase system is dependent on co-ordinated trafficking and proteolysis. <i>Biochemical Society Transactions</i> , 2009, 37, 1193-1197.	1.6	51
24	The cellular response to vascular endothelial growth factors requires co-ordinated signal transduction, trafficking and proteolysis. <i>Bioscience Reports</i> , 2015, 35, .	1.1	50
25	Kir6.2 mutations causing neonatal diabetes prevent endocytosis of ATP-sensitive potassium channels. <i>EMBO Journal</i> , 2006, 25, 4142-4151.	3.5	49
26	Novel membrane traffic steps regulate the exocytosis of the Menkes disease ATPase. <i>Human Molecular Genetics</i> , 2002, 11, 2855-2866.	1.4	47
27	Cell Biology of Membrane Trafficking in Human Disease. <i>International Review of Cytology</i> , 2006, 252, 1-69.	6.2	47
28	VEGFR1 receptor tyrosine kinase localization to the Golgi apparatus is calcium-dependent. <i>Experimental Cell Research</i> , 2009, 315, 877-889.	1.2	44
29	Vascular endothelial growth factors: multitasking functionality in metabolism, health and disease. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 753-763.	1.7	44
30	The Manganese Cation Disrupts Membrane Dynamics along the Secretory Pathway. <i>Experimental Cell Research</i> , 2000, 259, 167-179.	1.2	43
31	Hypoxia differentially regulates VEGFR1 and VEGFR2 levels and alters intracellular signaling and cell migration in endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 774-779.	1.0	43
32	VEGF-A isoforms program differential VEGFR2 signal transduction, trafficking and proteolysis. <i>Biology Open</i> , 2016, 5, 571-583.	0.6	43
33	Receptor Tyrosine Kinase Ubiquitination and De-Ubiquitination in Signal Transduction and Receptor Trafficking. <i>Cells</i> , 2018, 7, 22.	1.8	43
34	Structural Basis for Vascular Endothelial Growth Factor Receptor Activation and Implications for Disease Therapy. <i>Biomolecules</i> , 2020, 10, 1673.	1.8	43
35	Endothelial cell confluence regulates Weibel-Palade body formation. <i>Molecular Membrane Biology</i> , 2004, 21, 413-421.	2.0	42
36	Antigen endocytosis and presentation mediated by human membrane IgG1 in the absence of the IgG1/IgG2 dimer. <i>EMBO Journal</i> , 1997, 16, 3842-3850.	3.5	41

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37	Aberrant trafficking of transmembrane proteins in human disease. <i>Trends in Cell Biology</i> , 2003, 13, 639-647.	3.6	40
38	The Menkes disease ATPase (ATP7A) is internalized via a Rac1-regulated, clathrin- and caveolae-independent pathway. <i>Human Molecular Genetics</i> , 2003, 12, 1523-1533.	1.4	40
39	The <i>Scp>S</sc></i> 100A6 calcium-binding protein regulates endothelial cell cycle progression and senescence. <i>FEBS Journal</i> , 2012, 279, 4576-4588.	2.2	40
40	Purinergic and Store-Operated Ca ²⁺ Signaling Mechanisms in Mesenchymal Stem Cells and Their Roles in ATP-Induced Stimulation of Cell Migration. <i>Stem Cells</i> , 2016, 34, 2102-2114.	1.4	39
41	Extracellular and Luminal pH Regulation by Vacuolar H ⁺ -ATPase Isoform Expression and Targeting to the Plasma Membrane and Endosomes. <i>Journal of Biological Chemistry</i> , 2016, 291, 8500-8515.	1.6	37
42	VEGF-A isoforms differentially regulate ATF-2-dependent VCAM-1 gene expression and endothelial-leukocyte interactions. <i>Molecular Biology of the Cell</i> , 2014, 25, 2509-2521.	0.9	35
43	Association of cPLA ₂ and COX-1 with the Golgi apparatus of A549 human lung epithelial cells. <i>Journal of Cell Science</i> , 2003, 116, 2303-2310.	1.2	34
44	Activation of Cytosolic Phospholipase A ₂ as a Novel Mechanism Regulating Endothelial Cell Cycle Progression and Angiogenesis. <i>Journal of Biological Chemistry</i> , 2009, 284, 5784-5796.	1.6	33
45	The Golgi apparatus is a functionally distinct Ca ²⁺ store regulated by the PKA and Epac branches of the β_1 -adrenergic signaling pathway. <i>Science Signaling</i> , 2015, 8, ra101.	1.6	32
46	A combinatorial <i>in silico</i> and cellular approach to identify a new class of compounds that target VEGFR2 receptor tyrosine kinase activity and angiogenesis. <i>British Journal of Pharmacology</i> , 2012, 166, 737-748.	2.7	31
47	Nuclear localisation of cytosolic phospholipase A ₂ in the EA.hy.926 human endothelial cell line is proliferation dependent and modulated by phosphorylation. <i>Journal of Cell Science</i> , 2002, 115, 4533-4543.	1.2	29
48	Cytosolic phospholipase A ₂ and cyclooxygenase-2 localize to intracellular membranes of EA.hy.926 endothelial cells that are distinct from the endoplasmic reticulum and the Golgi apparatus. <i>FEBS Journal</i> , 2005, 272, 1278-1290.	2.2	29
49	<i>Scp>VEGFR2</sc></i> Trafficking, Signaling and Proteolysis is Regulated by the Ubiquitin Isopeptidase <i>Scp>USP8</sc></i> . <i>Traffic</i> , 2016, 17, 53-65.	1.3	29
50	The trans Golgi Network Is Lost from Cells Infected with African Swine Fever Virus. <i>Journal of Virology</i> , 2001, 75, 11755-11765.	1.5	24
51	Studies with the <i>Escherichia coligalactose</i> operon regulatory region carrying a point mutation that simultaneously inactivates the two overlapping promoters Interactions with RNA polymerase and the cyclic AMP receptor protein. <i>FEBS Letters</i> , 1987, 219, 189-196.	1.3	23
52	VEGF-A isoform-specific regulation of calcium ion flux, transcriptional activation and endothelial cell migration. <i>Biology Open</i> , 2015, 4, 731-742.	0.6	23
53	Actin and microtubule regulation of Trans-Golgi network architecture, and copper-dependent protein transport to the cell surface. <i>Molecular Membrane Biology</i> , 2004, 21, 59-66.	2.0	22
54	African Swine Fever Virus Causes Microtubule-Dependent Dispersal of the trans-Golgi Network and Slows Delivery of Membrane Protein to the Plasma Membrane. <i>Journal of Virology</i> , 2006, 80, 11385-11392.	1.5	21

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55	Restoring Akt1 Activity in Outgrowth Endothelial Cells From South Asian Men Rescues Vascular Reparative Potential. <i>Stem Cells</i> , 2014, 32, 2714-2723.	1.4	18
56	Indolinones and anilinothalazines differentially target VEGF and basic fibroblast growth factor mediated responses in primary human endothelial cells. <i>British Journal of Pharmacology</i> , 2012, 165, 245-259.	2.7	17
57	Vascular Endothelial Growth Factor A-Stimulated Signaling from Endosomes in Primary Endothelial Cells. <i>Methods in Enzymology</i> , 2014, 535, 265-292.	0.4	17
58	Evolution of the VEGF-Regulated Vascular Network from a Neural Guidance System. <i>Molecular Neurobiology</i> , 2011, 43, 192-206.	1.9	16
59	RNA polymerase molecules initiating transcription at tandem promoters can collide and cause premature transcription termination. <i>FEBS Letters</i> , 1987, 212, 21-27.	1.3	15
60	Ubiquitination of basal VEGFR2 regulates signal transduction and endothelial function. <i>Biology Open</i> , 2017, 6, 1404-1415.	0.6	15
61	Binding of Escherichia coli RNA polymerase to a promoter carrying mutations that stop transcription initiation. <i>Journal of Molecular Biology</i> , 1987, 195, 745-748.	2.0	13
62	Protein secretion: Sorting sweet sorting. <i>Current Biology</i> , 1996, 6, 1076-1078.	1.8	13
63	A Novel p53 Mutant Found in Iatrogenic Urothelial Cancers Is Dysfunctional and Can Be Rescued by a Second-site Global Suppressor Mutation*. <i>Journal of Biological Chemistry</i> , 2013, 288, 16704-16714.	1.6	13
64	Chromosomal Location and Some Structural Features of Human Clathrin Light-Chain Genes (CLTA and CLTB). <i>Journal of Biological Chemistry</i> , 1997, 272, 10000-10006.	1.3	12
65	Functional refolding of a recombinant C-type lectin-like domain containing intramolecular disulfide bonds. <i>Protein Expression and Purification</i> , 2007, 52, 415-421.	0.6	12
66	In Silico Design and Biological Evaluation of a Dual Specificity Kinase Inhibitor Targeting Cell Cycle Progression and Angiogenesis. <i>PLoS ONE</i> , 2014, 9, e110997.	1.1	12
67	The role of lectin-like oxidised low-density lipoprotein receptor-1 in vascular pathology. <i>Diabetes and Vascular Disease Research</i> , 2014, 11, 410-418.	0.9	12
68	Clinical and Preclinical Use of LOX-1-Specific Antibodies in Diagnostics and Therapeutics. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 458-465.	1.1	12
69	Receptor tyrosine kinase structure and function in health and disease. <i>AIMS Biophysics</i> , 2015, 2, 476-502.	0.3	12
70	An integrative model for vascular endothelial growth factor A as a tumour biomarker. <i>Integrative Biology (United Kingdom)</i> , 2010, 2, 397.	0.6	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. <i>Journal of Biological Chemistry</i> , 2016, 291, 6796-6812.	1.6	11
72	Deciphering soluble and membrane protein function using yeast systems (Review). <i>Molecular Membrane Biology</i> , 2009, 26, 127-135.	2.0	10

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73	The LOX-1 scavenger receptor cytoplasmic domain contains a transplantable endocytic motif. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 269-274.	1.0	9
74	Scavenger Receptors as Biomarkers and Therapeutic Targets in Cardiovascular Disease. <i>Cells</i> , 2020, 9, 2453.	1.8	9
75	Fibrinogen interaction with complement C3: a potential therapeutic target to reduce thrombosis risk. <i>Haematologica</i> , 2021, 106, 1616-1623.	1.7	9
76	Regulation of follistatin-like 3 expression by miR-486-5p modulates gastric cancer cell proliferation, migration and tumor progression. <i>Aging</i> , 2021, 13, 20302-20318.	1.4	9
77	TDO2 modulates liver cancer cell migration and invasion via the Wnt5a pathway. <i>International Journal of Oncology</i> , 2022, 60, .	1.4	8
78	Stimulation-dependent recruitment of cytosolic phospholipase A2- β to EA.hy.926 endothelial cell membranes leads to calcium-independent association. <i>FEBS Journal</i> , 2004, 271, 69-77.	0.2	7
79	Biomarkers in Peripheral Arterial Disease. <i>Trends in Cardiovascular Medicine</i> , 2009, 19, 147-151.	2.3	7
80	CHARACTERIZATION AND REGULATION OF CONSTITUTIVE TRANSPORT INTERMEDIATES INVOLVED IN TRAFFICKING FROM THE TRANS -GOLGI NETWORK. <i>Cell Biology International</i> , 2001, 25, 705-713.	1.4	6
81	A VE-cadherin- β -catenin complex regulates the Golgi localization and activity of cytosolic phospholipase A ₂ in endothelial cells. <i>Molecular Biology of the Cell</i> , 2012, 23, 1783-1796.	0.9	6
82	A biphasic endothelial stress-survival mechanism regulates the cellular response to vascular endothelial growth factor A. <i>Experimental Cell Research</i> , 2012, 318, 2297-2311.	1.2	6
83	Receptor Tyrosine Kinase Inhibitors. , 2016, , 3940-3946.		6
84	Tpl2 is required for VEGF-A-stimulated signal transduction and endothelial cell function. <i>Biology Open</i> , 2019, 8, .	0.6	5
85	Prognostic value of members of NFAT family for pan-cancer and a prediction model based on NFAT2 in bladder cancer. <i>Aging</i> , 2021, 13, 13876-13897.	1.4	5
86	Foreword: Protein secretion and the Golgi apparatus. <i>Molecular Membrane Biology</i> , 2003, 20, 97-98.	2.0	4
87	ATF-2 and Tpl2 regulation of endothelial cell cycle progression and apoptosis. <i>Cellular Signalling</i> , 2020, 66, 109481.	1.7	4
88	Detection and Quantification of Vascular Endothelial Growth Factor Receptor Tyrosine Kinases in Primary Human Endothelial Cells. <i>Methods in Molecular Biology</i> , 2015, 1332, 49-65.	0.4	4
89	Identification of Receptor Tyrosine Kinase Inhibitors Using Cell Surface Biotinylation and Affinity Isolation. <i>Methods in Molecular Biology</i> , 2015, 1332, 121-131.	0.4	1
90	Purification and Analysis of Circulating Lipid Particles. <i>Methods in Molecular Biology</i> , 2022, 2419, 193-212.	0.4	1

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91	VEGFR endocytosis: Implications for angiogenesis. Progress in Molecular Biology and Translational Science, 2023, , 109-139.	0.9	1
92	Different sorts for different sprouts. Blood, 2011, 118, 490-491.	0.6	0
93	Affinity purification of fibrinogen using an Affimer column. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130115.	1.1	0
94	Monitoring VEGF-Stimulated Calcium Ion Flux in Endothelial Cells. Methods in Molecular Biology, 2022, 2475, 113-124.	0.4	0