

Radu V Stan

List of Publications by Year in descending order

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66
papers

7,707
citations

81839

39
h-index

128225

60
g-index

72
all docs

72
docs citations

72
times ranked

10149
citing authors

#	ARTICLE	IF	CITATIONS
1	Transducible TAT-HA fusogenic peptide enhances escape of TAT-fusion proteins after lipid raft macropinocytosis. <i>Nature Medicine</i> , 2004, 10, 310-315.	15.2	1,542
2	Cells Respond to Mechanical Stress by Rapid Disassembly of Caveolae. <i>Cell</i> , 2011, 144, 402-413.	13.5	791
3	Defects in caveolin-1 cause dilated cardiomyopathy and pulmonary hypertension in knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 11375-11380.	3.3	431
4	Direct evidence for the role of caveolin-1 and caveolae in mechanotransduction and remodeling of blood vessels. <i>Journal of Clinical Investigation</i> , 2006, 116, 1284-1291.	3.9	318
5	Caveolin regulation of endothelial function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 285, L1179-L1183.	1.3	262
6	The FGF system has a key role in regulating vascular integrity. <i>Journal of Clinical Investigation</i> , 2008, 118, 3355-3366.	3.9	257
7	INF2-mediated actin polymerization at the ER stimulates mitochondrial calcium uptake, inner membrane constriction, and division. <i>Journal of Cell Biology</i> , 2018, 217, 251-268.	2.3	246
8	PV-1 is a component of the fenestral and stomatal diaphragms in fenestrated endothelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 13203-13207.	3.3	240
9	Structure of caveolae. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1746, 334-348.	1.9	223
10	Immunoisolation and partial characterization of endothelial plasmalemmal vesicles (caveolae).. <i>Molecular Biology of the Cell</i> , 1997, 8, 595-605.	0.9	199
11	Endocytosis of soluble immune complexes leads to their clearance by Fc γ 3RIIIB but induces neutrophil extracellular traps via Fc γ 3RIIA in vivo. <i>Blood</i> , 2012, 120, 4421-4431.	0.6	196
12	The Diaphragms of Fenestrated Endothelia: Gatekeepers of Vascular Permeability and Blood Composition. <i>Developmental Cell</i> , 2012, 23, 1203-1218.	3.1	183
13	Vascular Gene Expression in Nonneoplastic and Malignant Brain. <i>American Journal of Pathology</i> , 2004, 165, 601-608.	1.9	168
14	Endothelial-specific expression of caveolin-1 impairs microvascular permeability and angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 204-209.	3.3	150
15	Structure and function of endothelial caveolae. <i>Microscopy Research and Technique</i> , 2002, 57, 350-364.	1.2	145
16	Genetic Evidence Supporting Caveolae Microdomain Regulation of Calcium Entry in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 16631-16643.	1.6	132
17	Fibroblast growth factor 2 endocytosis in endothelial cells proceed via syndecan-4-dependent activation of Rac1 and a Cdc42-dependent macropinocytic pathway. <i>Journal of Cell Science</i> , 2004, 117, 3189-3199.	1.2	129
18	PV1 Is a Key Structural Component for the Formation of the Stomatal and Fenestral Diaphragms. <i>Molecular Biology of the Cell</i> , 2004, 15, 3615-3630.	0.9	121

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19	Endothelial stomatal and fenestral diaphragms in normal vessels and angiogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 621-643.	1.6	119
20	Isolation, Cloning, and Localization of Rat PV-1, a Novel Endothelial Caveolar Protein. <i>Journal of Cell Biology</i> , 1999, 145, 1189-1198.	2.3	116
21	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. <i>Nature Communications</i> , 2016, 7, 11017.	5.8	111
22	Antibody GD3G7 Selected against Embryonic Glycosaminoglycans Defines Chondroitin Sulfate-E Domains Highly Up-Regulated in Ovarian Cancer and Involved in Vascular Endothelial Growth Factor Binding. <i>American Journal of Pathology</i> , 2007, 171, 1324-1333.	1.9	105
23	Depletion of Dendritic Cells Delays Ovarian Cancer Progression by Boosting Antitumor Immunity. <i>Cancer Research</i> , 2008, 68, 7684-7691.	0.4	105
24	Caveolin-1 Interacts Directly with Dynamin-2. <i>Journal of Molecular Biology</i> , 2005, 348, 491-501.	2.0	97
25	Intersectin Regulates Fission and Internalization of Caveolae in Endothelial Cells. <i>Molecular Biology of the Cell</i> , 2003, 14, 4997-5010.	0.9	95
26	Glomerular Endothelial Cells Form Diaphragms during Development and Pathologic Conditions. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 1463-1471.	3.0	86
27	Morphological Heterogeneity of Endothelium. <i>Seminars in Thrombosis and Hemostasis</i> , 2010, 36, 236-245.	1.5	79
28	Endothelial targeting of polymeric nanoparticles stably labeled with the PET imaging radioisotope iodine-124. <i>Biomaterials</i> , 2012, 33, 5406-5413.	5.7	75
29	Lymph node conduits transport virions for rapid T cell activation. <i>Nature Immunology</i> , 2019, 20, 602-612.	7.0	74
30	Flexible Nanoparticles Reach Sterically Obscured Endothelial Targets Inaccessible to Rigid Nanoparticles. <i>Advanced Materials</i> , 2018, 30, e1802373.	11.1	73
31	Resolved. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 2432-2438.	3.0	67
32	“Small Blood Vessels: Big Health Problems?” Scientific Recommendations of the National Institutes of Health Workshop. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	67
33	Evidence for tankyrases as antineoplastic targets in lung cancer. <i>BMC Cancer</i> , 2013, 13, 211.	1.1	63
34	Ascending Vasa Recta Are Angiopoietin/Tie2-Dependent Lymphatic-Like Vessels. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1097-1107.	3.0	59
35	Spatially controlled assembly of affinity ligand and enzyme cargo enables targeting ferritin nanocarriers to caveolae. <i>Biomaterials</i> , 2018, 185, 348-359.	5.7	49
36	Targeting superoxide dismutase to endothelial caveolae profoundly alleviates inflammation caused by endotoxin. <i>Journal of Controlled Release</i> , 2018, 272, 1-8.	4.8	47

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37	cDNA and Protein Sequence, Genomic Organization, and Analysis of cis Regulatory Elements of Mouse and Human PLVAP Genes. <i>Genomics</i> , 2001, 72, 304-313.	1.3	44
38	Mutations in Plasmalemma Vesicle Associated Protein Result in Sieving Protein-Losing Enteropathy Characterized by Hypoproteinemia, Hypoalbuminemia, and Hypertriglyceridemia. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 381-394.e7.	2.3	43
39	Caveolin-1 deficiency decreases atherosclerosis by hampering leukocyte influx into the arterial wall and generating a regulatory T cell response. <i>FASEB Journal</i> , 2011, 25, 3838-3848.	0.2	40
40	Mast cells impair the development of protective anti-tumor immunity. <i>Cancer Immunology, Immunotherapy</i> , 2012, 61, 2273-2282.	2.0	39
41	Multiple PV1 dimers reside in the same stomatal or fenestral diaphragm. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1347-H1353.	1.5	38
42	Caveolae, Fenestrae and Transendothelial Channels Retain PV1 on the Surface of Endothelial Cells. <i>PLoS ONE</i> , 2012, 7, e32655.	1.1	37
43	Growth Differentiation Factor 6 Promotes Vascular Stability by Restraining Vascular Endothelial Growth Factor Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 353-362.	1.1	25
44	Uncoupling Caveolae From Intracellular Signaling In Vivo. <i>Circulation Research</i> , 2016, 118, 48-55.	2.0	24
45	Endocytosis pathways in endothelium: how many?. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 290, L806-L808.	1.3	23
46	Tumor Endothelial Marker Imaging in Melanomas Using Dual-Tracer Fluorescence Molecular Imaging. <i>Molecular Imaging and Biology</i> , 2014, 16, 372-382.	1.3	22
47	HS3ST1 genotype regulates antithrombin's inflammomodulatory tone and associates with atherosclerosis. <i>Matrix Biology</i> , 2017, 63, 69-90.	1.5	19
48	Epithelial cell integrin β 1 is required for developmental angiogenesis in the pituitary gland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13408-13413.	3.3	18
49	Endothelial Plasmalemma Vesicle-Associated Protein Regulates the Homeostasis of Splenic Immature B Cells and B-1 B Cells. <i>Journal of Immunology</i> , 2016, 197, 3970-3981.	0.4	15
50	Phorbol esters induce <i>PLVAP</i> expression via <i>VEGF</i> and additional secreted molecules in <i>MEK</i> -dependent and p38, <i>JNK</i> and <i>PI3K/Akt</i> -independent manner. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 920-933.	1.6	14
51	<i>PV1</i> down-regulation via shRNA inhibits the growth of pancreatic adenocarcinoma xenografts. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 2690-2700.	1.6	13
52	Primary myxoid and epithelioid mesenchymal tumor of the kidney with a novel <i>GLI1-FOXO4</i> fusion. <i>Genes Chromosomes and Cancer</i> , 2021, 60, 116-122.	1.5	11
53	Imaging and modification of the tumor vascular barrier for improvement in magnetic nanoparticle uptake and hyperthermia treatment efficacy. , 2013, 8584, .		10
54	An updated h-index measures both the primary and total scientific output of a researcher. <i>Discoveries</i> , 2015, 3, e50.	1.5	10

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55	EphB1 interaction with caveolin-1 in endothelial cells modulates caveolae biogenesis. <i>Molecular Biology of the Cell</i> , 2020, 31, 1167-1182.	0.9	8
56	Endothelial Structures Involved in Vascular Permeability. , 2007, , 679-688.		4
57	Plasmalemmal vesicle associated protein (PV1) modulates SV40 virus infectivity in CV-1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 220-225.	1.0	3
58	Channels across Endothelial Cells. , 2006, , 251-266.		3
59	PV1 IS A NECESSARY AND SUFFICIENT COMPONENT FOR THE FORMATION OF THE STOMATAL AND FENESTRAL DIAPHRAGMS. <i>Cardiovascular Pathology</i> , 2004, 13, 129-130.	0.7	2
60	Anatomy of the Pulmonary Endothelium. , 0, , 25-32.		2
61	?Caveolae? Review Series. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 4-5.	1.6	1
62	The FGF system has a key role in regulating vascular integrity. <i>Journal of Clinical Investigation</i> , 2009, 119, 2113-2113.	3.9	1
63	Therapeutic targeting of microRNA-31 in lung cancer.. <i>Journal of Clinical Oncology</i> , 2012, 30, e13567-e13567.	0.8	1
64	Quantitative fluorescence molecular imaging in highly light-absorbing melanomas using a dual-tracer kinetic modeling normalization method. , 2014, , .		0
65	The FGF system positively regulates vascular integrity after ischemic injury. <i>FASEB Journal</i> , 2006, 20, A636.	0.2	0
66	Fibroblast growth factor system regulates vascular integrity and endothelial permeability. <i>FASEB Journal</i> , 2007, 21, A187.	0.2	0