Pavel Uhrin

List of Publications by Year in descending order

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60 papers	4,340 citations	172386 29 h-index	138417 58 g-index
60 all docs	60 docs citations	60 times ranked	7871 citing authors

#	Article	IF	Citations
1	Discovery and resupply of pharmacologically active plant-derived natural products: A review. Biotechnology Advances, 2015, 33, 1582-1614.	6.0	1,871
2	Lymph node blood vessels provide exit routes for metastatic tumor cell dissemination in mice. Science, 2018, 359, 1408-1411.	6.0	304
3	Novel function for blood platelets and podoplanin in developmental separation of blood and lymphatic circulation. Blood, 2010, 115, 3997-4005.	0.6	267
4	Resveratrol and Its Effects on the Vascular System. International Journal of Molecular Sciences, 2019, 20, 1523.	1.8	169
5	Cardiac malformations and myocardial abnormalities in podoplanin knockout mouse embryos: Correlation with abnormal epicardial development. Developmental Dynamics, 2008, 237, 847-857.	0.8	130
6	Premature senescence of endothelial cells upon chronic exposure to TNFÎ± can be prevented by N-acetyl cysteine and plumericin. Scientific Reports, 2017, 7, 39501.	1.6	104
7	Vasculoprotective Effects of Pomegranate (Punica granatum L.). Frontiers in Pharmacology, 2018, 9, 544.	1.6	96
8	VEGF-initiated angiogenesis and the uPA/uPAR system. Cell Adhesion and Migration, 2012, 6, 535-540.	1.1	94
9	Vascular Endothelial Growth Factor Is Induced by the Inflammatory Cytokines Interleukin-6 and Oncostatin M in Human Adipose Tissue In Vitro and in Murine Adipose Tissue In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1587-1595.	1.1	89
10	Vascular smooth muscle cell proliferation as a therapeutic target. Part 1: molecular targets and pathways. Biotechnology Advances, 2018, 36, 1586-1607.	6.0	78
11	Sexing and multiple genotype analysis from a single cell of bovine embryo. Theriogenology, 2001, 55, 1071-1081.	0.9	62
12	VEGF-induced endothelial cell migration requires urokinase receptor (uPAR)-dependent integrin redistribution. Cardiovascular Research, 2012, 94, 125-135.	1.8	62
13	Soluble Carcinoembryonic Antigen Activates Endothelial Cells and Tumor Angiogenesis. Cancer Research, 2013, 73, 6584-6596.	0.4	55
14	Podoplanin deficient mice show a rhoaâ€related hypoplasia of the sinus venosus myocardium including the sinoatrial node. Developmental Dynamics, 2009, 238, 183-193.	0.8	53
15	Indirubin and Indirubin Derivatives for Counteracting Proliferative Diseases. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-12.	0.5	52
16	Indirubin-3â€²-Monoxime Blocks Vascular Smooth Muscle Cell Proliferation by Inhibition of Signal Transducer and Activator of Transcription 3 Signaling and Reduces Neointima Formation In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2475-2481.	1.1	50
17	The urokinase receptor (CD87) represents a central mediator of growth factor-induced endothelial cell migration. Thrombosis and Haemostasis, 2012, 108, 357-366.	1.8	45
18	Pulmonary Vein, Dorsal Atrial Wall and Atrial Septum Abnormalities in Podoplanin Knockout Mice With Disturbed Posterior Heart Field Contribution. Pediatric Research, 2009, 65, 27-32.	1.1	38

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19	Cold induces reactive oxygen species production and activation of the NFâ€kappa B response in endothelial cells and inflammation in vivo. Journal of Thrombosis and Haemostasis, 2013, 11, 1716-1726.	1.9	38
20	Vascular smooth muscle cell proliferation as a therapeutic target. Part 2: Natural products inhibiting proliferation. Biotechnology Advances, 2018, 36, 1608-1621.	6.0	38
21	The Interferon Stimulated Gene 12 Inactivates Vasculoprotective Functions of NR4A Nuclear Receptors. Circulation Research, 2012, 110, e50-63.	2.0	37
22	The inflammatory mediator oncostatinÂM induces angiopoietinÂ2 expression in endothelial cells inÂvitro and inÂvivo. Journal of Thrombosis and Haemostasis, 2010, 8, 596-604.	1.9	36
23	Annexin VI isoforms are differentially expressed in mammalian tissues. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1223, 368-374.	1.9	34
24	Expression of recombinant human factor VIII in milk of several generations of transgenic rabbits. Transgenic Research, 2007, 16, 353-361.	1.3	33
25	The inflammatory mediator oncostatin M induces stromal derived factorâ€1 in human adult cardiac cells. FASEB Journal, 2009, 23, 774-782.	0.2	31
26	Signal Integration and Coincidence Detection in the Mitogen-activated Protein Kinase/Extracellular Signal-regulated Kinase (ERK) Cascade. Journal of Biological Chemistry, 2011, 286, 25663-25674.	1.6	30
27	Imbricaric Acid and Perlatolic Acid: Multi-Targeting Anti-Inflammatory Depsides from Cetrelia monachorum. PLoS ONE, 2013, 8, e76929.	1.1	30
28	CX3CL1 (Fractalkine) Protein Expression in Normal and Degenerating Mouse Retina: In Vivo Studies. PLoS ONE, 2014, 9, e106562.	1.1	30
29	<scp>CCL</scp>7 contributes to the <scp>TNF</scp>â€alphaâ€dependent inflammation of lesional psoriatic skin. Experimental Dermatology, 2015, 24, 522-528.	1.4	30
30	Protein C inhibitor (PCI). Immunopharmacology, 1996, 32, 53-56.	2.0	29
31	uPAR. Cell Adhesion and Migration, 2013, 7, 23-26.	1.1	27
32	ISG12 is a critical modulator of innate immune responses in murine models of sepsis. Immunobiology, 2013, 218, 1207-1216.	0.8	26
33	Male fertility and protein C inhibitor/plasminogen activator inhibitor-3 (PCI): localization of PCI in mouse testis and failure of single plasminogen activator knockout to restore spermatogenesis in PCI-deficient mice. Fertility and Sterility, 2007, 88, 1049-1057.	0.5	24
34	Plumericin inhibits proliferation of vascular smooth muscle cells by blocking STAT3 signaling via S-glutathionylation. Scientific Reports, 2016, 6, 20771.	1.6	23
35	PAI-1 (Plasminogen Activator Inhibitor-1) Expression Renders Alternatively Activated Human Macrophages Proteolytically Quiescent. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1913-1922.	1.1	22
36	Molecular cloning and tissue distribution of mouse protein C inhibitor (PCI). Immunopharmacology, 1996, 32, 96-98.	2.0	21

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37	Protein C Inhibitor is Expressed in Keratinocytes of Human Skin. Journal of Investigative Dermatology, 1999, 113, 32-37.	0.3	21
38	Molecular cloning and sequence analysis of the mouse protein C inhibitor gene. Gene, 1997, 186, 61-66.	1.0	19
39	Thymic medullar conduits-associated podoplanin promotes natural regulatory T cells. Immunology Letters, 2013, 154, 31-41.	1.1	19
40	The brain-tumor related protein podoplanin regulates synaptic plasticity and hippocampus-dependent learning and memory. Annals of Medicine, 2016, 48, 652-668.	1.5	18
41	Intervention of Inflammatory Monocyte Activity Limits Dermal Fibrosis. Journal of Investigative Dermatology, 2019, 139, 2144-2153.	0.3	11
42	Eupatoriopicrin Inhibits Pro-inflammatory Functions of Neutrophils via Suppression of IL-8 and TNF-alpha Production and p38 and ERK 1/2 MAP Kinases. Journal of Natural Products, 2019, 82, 375-385.	1.5	10
43	Sodium current properties of primary skeletal myocytes and cardiomyocytes derived from different mouse strains. Pflugers Archiv European Journal of Physiology, 2009, 457, 1023-1033.	1.3	9
44	Black pepper dietary supplementation increases high-density lipoprotein (HDL) levels in pigs. Current Research in Biotechnology, 2019, 1, 28-33.	1.9	8
45	31P NMR study of phosphorus metabolites in fast and slow muscles. International Journal of Biochemistry & Cell Biology, 1990, 22, 1133-1138.	0.8	7
46	Effect of protein C inhibitor (PCI) on in vitro fertilization. Immunopharmacology, 1996, 33, 140-142.	2.0	7
47	Expression patterns of protein C inhibitor in mouse development. Journal of Molecular Histology, 2010, 41, 27-37.	1.0	7
48	De novo Vessel Formation Through Cross-Talk of Blood-Derived Cells and Mesenchymal Stromal Cells in the Absence of Pre-existing Vascular Structures. Frontiers in Bioengineering and Biotechnology, 2020, 8, 602210.	2.0	7
49	Podoplanin Gene Disruption in Mice Promotes in vivo Neural Progenitor Cells Proliferation, Selectively Impairs Dentate Gyrus Synaptic Depression and Induces Anxiety-Like Behaviors. Frontiers in Cellular Neuroscience, 2019, 13, 561.	1.8	7
50	Proteome analysis of testis from infertile protein C inhibitorâ€deficient mice reveals novel changes in serpin processing and prostaglandin metabolism. Electrophoresis, 2015, 36, 2837-2840.	1.3	6
51	Reduced Na⁺ current in Purkinje fibers explains cardiac conduction defects and arrhythmias in Duchenne muscular dystrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1436-H1440.	1.5	6
52	Age-Dependent and Pathway-Specific Bimodal Action of Nicotine on Synaptic Plasticity in the Hippocampus of Mice Lacking the miR-132/212 Genes. Cells, 2022, 11, 261.	1.8	5
53	Cellular and Molecular Mechanisms of Vasculogenesis, Angiogenesis, and Lymphangiogenesis. Learning Materials in Biosciences, 2019, , 131-143.	0.2	4
54	Effect of training on fibre composition and phosphate metabolites in rest measured in vitro in muscles of young pigs. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 102, 397-401.	0.2	3

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55	Effects of oxytocin, vasopressin and vasotocin and their agonists on steroid secretion by bovine granulosa cells. Animal Reproduction Science, 1995, 39, 81-87.	0.5	3
56	C-geranylated flavonoids from Paulownia tomentosa Steud. fruit as potential anti-inflammatory agents. Journal of Ethnopharmacology, 2022, 296, 115509.	2.0	2
57	In vivo Tube Assay: An Optimised Protocol of the Directed in vivo Angiogenesis Assay by Implementing Immunohistochemistry. Journal of Vascular Research, 2015, 52, 116-126.	0.6	1
58	Protective role of the matricellular protein CCN3 in abdominal aortic aneurysm. Journal of Thoracic Disease, 2016, 8, 2365-2368.	0.6	1
59	Pterocarpus santalinus Selectively Inhibits a Subset of Pro-Inflammatory Genes in Interleukin-1 Stimulated Endothelial Cells. Frontiers in Pharmacology, 2021, 12, 802153.	1.6	1
60	VEGF and AMD3100-Induced Rapid Mobilization of C-Kit/Sca-1 Positive Murine Bone Marrow Cells and of Gr-1+/CD-11b+ Myeloid Cells Is Impaired in Urokinase (uPA) and Urokinase Receptor (uPAR) Deficient Mice.. Blood, 2008, 112, 1384-1384.	0.6	0