

Kevin G Peters

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,406
citations

159585

30
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

3782
citing authors

#	ARTICLE	IF	CITATIONS
1	Point mutation of an FGF receptor abolishes phosphatidylinositol turnover and Ca ²⁺ flux but not mitogenesis. <i>Nature</i> , 1992, 358, 678-681.	27.8	393
2	Tie2 Expression and Phosphorylation in Angiogenic and Quiescent Adult Tissues. <i>Circulation Research</i> , 1997, 81, 567-574.	4.5	354
3	Tyrosine 1101 of Tie2 Is the Major Site of Association of p85 and Is Required for Activation of Phosphatidylinositol 3-Kinase and Akt. <i>Molecular and Cellular Biology</i> , 1998, 18, 4131-4140.	2.3	202
4	Differential Expression of Tissue Factor Protein in Directional Atherectomy Specimens From Patients With Stable and Unstable Coronary Syndromes. <i>Circulation</i> , 1995, 91, 619-622.	1.6	200
5	VEGF enhances pulmonary vasculogenesis and disrupts lung morphogenesis in vivo. , 1998, 211, 215-227.		179
6	Targeting VE-PTP activates TIE2 and stabilizes the ocular vasculature. <i>Journal of Clinical Investigation</i> , 2014, 124, 4564-4576.	8.2	174
7	Neovascularization in atherectomy specimens from patients with unstable angina: Implications for pathogenesis of unstable angina. <i>American Heart Journal</i> , 1998, 135, 10-14.	2.7	162
8	Functional Significance of Tie2 Signaling in the Adult Vasculature. <i>Endocrine Reviews</i> , 2004, 59, 51-71.	6.7	150
9	Mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO ₄) as the active component. <i>Journal of Inorganic Biochemistry</i> , 2003, 96, 321-330.	3.5	127
10	Angiopoietin-2-induced blood-brain barrier compromise and increased stroke size are rescued by VE-PTP-dependent restoration of Tie2 signaling. <i>Acta Neuropathologica</i> , 2016, 131, 753-773.	7.7	120
11	Isolation of the zebrafish homologues for the tie-1 and tie-2 endothelium-specific receptor tyrosine kinases. <i>Developmental Dynamics</i> , 1998, 212, 133-140.	1.8	101
12	The Endothelial Receptor Tyrosine Kinase Tie1 Activates Phosphatidylinositol 3-Kinase and Akt To Inhibit Apoptosis. <i>Molecular and Cellular Biology</i> , 2002, 22, 1704-1713.	2.3	91
13	Neovascularization after transmyocardial laser revascularization in a model of chronic ischemia. <i>Annals of Thoracic Surgery</i> , 1998, 66, 2029-2036.	1.3	89
14	Context-dependent functions of angiopoietin 2 are determined by the endothelial phosphatase VEPTP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1298-1303.	7.1	85
15	HCPTA, a Protein Tyrosine Phosphatase That Regulates Vascular Endothelial Growth Factor Receptor-mediated Signal Transduction and Biological Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 38183-38188.	3.4	79
16	1,2,3,4-Tetrahydroisoquinolyl sulfamic acids as phosphatase PTP1B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1574-1578.	2.2	78
17	Induction and maintenance of increased VEGF protein by chronic motor nerve stimulation in skeletal muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H860-H867.	3.2	73
18	Targeting Tie2 for Treatment of Diabetic Retinopathy and Diabetic Macular Edema. <i>Current Diabetes Reports</i> , 2016, 16, 126.	4.2	71

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19	Green Fluorescent Fusion Proteins: Powerful Tools for Monitoring Protein Expression in Live Zebrafish Embryos. <i>Developmental Biology</i> , 1995, 171, 252-257.	2.0	68
20	Systemically Expressed Soluble Tie2 Inhibits Intraocular Neovascularization. <i>Human Gene Therapy</i> , 2001, 12, 1311-1321.	2.7	67
21	Tyrosine phosphatases in vessel wall signaling. <i>Cardiovascular Research</i> , 2005, 65, 587-598.	3.8	63
22	Deletion of the Carboxyl Terminus of Tie2 Enhances Kinase Activity, Signaling, and Function. <i>Journal of Biological Chemistry</i> , 2002, 277, 31768-31773.	3.4	50
23	Efficacy of systemic administration of SDF-1 in a model of vascular insufficiency: Support for an endothelium-dependent mechanism. <i>Cardiovascular Research</i> , 2006, 69, 925-935.	3.8	50
24	A Nonspecific Phosphotyrosine Phosphatase Inhibitor, Bis(maltolato)oxovanadium(IV), Improves Glucose Tolerance and Prevents Diabetes in Zucker Diabetic Fatty Rats. <i>Experimental Biology and Medicine</i> , 2005, 230, 207-216.	2.4	43
25	Efficient adenoviral gene transfer to early venous bypass grafts: comparison with native vessels. <i>Cardiovascular Research</i> , 1997, 35, 505-513.	3.8	36
26	Tie2 activation protects against prothrombotic endothelial dysfunction in COVID-19. <i>JCI Insight</i> , 2021, 6, .	5.0	35
27	Phospholipase C β Activation, Phosphatidylinositol Hydrolysis, and Calcium Mobilization are Not Required for FGF Receptor-Mediated Chemotaxis. <i>Cell Adhesion and Communication</i> , 1994, 1, 333-342.	1.7	34
28	Controversial roles for dexamethasone in glioblastoma – Opportunities for novel vascular targeting therapies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1460-1468.	4.3	33
29	VE-PTP inhibition elicits eNOS phosphorylation to blunt endothelial dysfunction and hypertension in diabetes. <i>Cardiovascular Research</i> , 2021, 117, 1546-1556.	3.8	33
30	Tyrosine phosphatase inhibition augments collateral blood flow in a rat model of peripheral vascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H268-H276.	3.2	32
31	Design and synthesis of potent, non-peptidic inhibitors of HPTP β . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4252-4256.	2.2	31
32	Proteome analysis of the rat cornea during angiogenesis. <i>Proteomics</i> , 2003, 3, 2258-2266.	2.2	26
33	A Small Molecule Inhibitor of VE-PTP Activates Tie2 in Schlemm's Canal Increasing Outflow Facility and Reducing Intraocular Pressure. , 2020, 61, 12.		25
34	Engineering the catalytic domain of human protein tyrosine phosphatase β for structure-based drug discovery. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 1435-1445.	2.5	23
35	Neovascularization in intimal hyperplasia is associated with vein graft failure after coronary artery bypass surgery. <i>Vascular Medicine</i> , 2003, 8, 163-167.	1.5	9
36	Tie2 Activation via VE-PTP Inhibition With Razuprotafib as an Adjunct to Latanoprost in Patients With Open Angle Glaucoma or Ocular Hypertension. <i>Translational Vision Science and Technology</i> , 2022, 11, 7.	2.2	7

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37	Isolation of the zebrafish homologues for the tie1 and tie2 endothelium-specific receptor tyrosine kinases. <i>Developmental Dynamics</i> , 1998, 212, 133-140.	1.8	4
38	PDGF and FGF receptors in health and disease. <i>Growth Factors and Cytokines in Health and Disease</i> , 1996, , 179-228.	0.2	3
39	Collagen Subtypes III and IV Expression in Human Vein Graft Atherosclerosis. <i>American Journal of Cardiology</i> , 1996, 78, 691-694.	1.6	3
40	¹ H, ¹⁵ N, and ¹³ C resonance assignments of low molecular weight human cytoplasmic protein tyrosine phosphatase-A (HCPTP-A). <i>Journal of Biomolecular NMR</i> , 2002, 23, 251-252.	2.8	3