

Ashok K Srivastava

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4832880/publications.pdf>

Version: 2024-02-01

49
papers

1,745
citations

279798

23
h-index

276875

41
g-index

49
all docs

49
docs citations

49
times ranked

2163
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential mechanism(s) involved in the regulation of glycogen synthesis by insulin. <i>Molecular and Cellular Biochemistry</i> , 1998, 182, 135-141.	3.1	133
2	Endothelin-1-Induced Signaling Pathways in Vascular Smooth Muscle Cells. <i>Current Vascular Pharmacology</i> , 2007, 5, 45-52.	1.7	129
3	Anti-diabetic and toxic effects of vanadium compounds. <i>Molecular and Cellular Biochemistry</i> , 2000, 206, 177-182.	3.1	122
4	Synchronous activation of ERK 1/2, p38mapk and PKB/Akt signaling by H ₂ O ₂ in vascular smooth muscle cells: potential involvement in vascular disease (review). <i>International Journal of Molecular Medicine</i> , 2003, 11, 229-34.	4.0	89
5	Insulino-mimetic and anti-diabetic effects of zinc. <i>Journal of Inorganic Biochemistry</i> , 2013, 120, 8-17.	3.5	87
6	Phosphatidylinositol 3-Kinase Requirement in Activation of the ras/C-raf-1/MEK/ERK and p70s6k Signaling Cascade by the Insulinomimetic Agent Vanadyl Sulfate. <i>Biochemistry</i> , 1999, 38, 14667-14675.	2.5	78
7	Reactive oxygen species mediate Endothelin-1-induced activation of ERK1/2, PKB, and Pyk2 signaling, as well as protein synthesis, in vascular smooth muscle cells. <i>Free Radical Biology and Medicine</i> , 2004, 37, 208-215.	2.9	78
8	Vanadyl Sulfate-Stimulated Glycogen Synthesis Is Associated with Activation of Phosphatidylinositol 3-Kinase and Is Independent of Insulin Receptor Tyrosine Phosphorylation. <i>Biochemistry</i> , 1998, 37, 7006-7014.	2.5	73
9	Role of receptor and nonreceptor protein tyrosine kinases in H ₂ O ₂ -induced PKB and ERK1/2 signaling. <i>Cell Biochemistry and Biophysics</i> , 2007, 47, 1-10.	1.8	69
10	Activation of mitogen activated protein (MAP) kinases by vanadate is independent of insulin receptor autophosphorylation. <i>FEBS Letters</i> , 1994, 340, 269-275.	2.8	68
11	H ₂ O ₂ -Induced Phosphorylation of ERK1/2 and PKB Requires Tyrosine Kinase Activity of Insulin Receptor and c-Src. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 1014-1020.	5.4	67
12	Insulin Signal Mimicry as a Mechanism for the Insulin-Like Effects of Vanadium. <i>Cell Biochemistry and Biophysics</i> , 2006, 44, 073-082.	1.8	58
13	The Insulin-Like Growth Factor Family: Molecular Mechanisms, Redox Regulation, and Clinical Implications. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 1165-1190.	5.4	58
14	Distinct Roles of Ca ²⁺ , Calmodulin, and Protein Kinase C in H ₂ O ₂ -Induced Activation of ERK1/2, p38 MAPK, and Protein Kinase B Signaling in Vascular Smooth Muscle Cells. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 353-366.	5.4	53
15	Nitric oxide attenuates endothelin-1-induced activation of ERK1/2, PKB, and Pyk2 in vascular smooth muscle cells by a cGMP-dependent pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2072-H2079.	3.2	52
16	Vanadium salts stimulate mitogen-activated protein (MAP) kinases and ribosomal S6 kinases. <i>Molecular and Cellular Biochemistry</i> , 1995, 153, 69-78.	3.1	47
17	Organo-vanadium compounds are potent activators of the protein kinase B signaling pathway and protein tyrosine phosphorylation: Mechanism of insulinomimesis. <i>Archives of Biochemistry and Biophysics</i> , 2005, 440, 158-164.	3.0	42
18	CaMKII knockdown attenuates H ₂ O ₂ -induced phosphorylation of ERK1/2, PKB/Akt, and IGF-1R in vascular smooth muscle cells. <i>Free Radical Biology and Medicine</i> , 2009, 47, 858-866.	2.9	40

#	ARTICLE	IF	CITATIONS
19	STIM α 1 and ORAI α 1 channel mediate angiotensin α 1-induced expression of Egr α 1 in vascular smooth muscle cells. <i>Journal of Cellular Physiology</i> , 2017, 232, 3496-3509.	4.1	36
20	Activation of insulin-like growth factor type-1 receptor is required for H ₂ O ₂ -induced PKB phosphorylation in vascular smooth muscle cells. This paper is one of a selection of papers published in this Special issue, entitled "Second Messengers and Phosphoproteins" 12th International Conference.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 777-786.	1.4	35
21	Bis(maltolato)-oxovanadium (IV)-induced phosphorylation of PKB, GSK-3 and FOXO1 contributes to its glucoregulatory responses (Review). <i>International Journal of Molecular Medicine</i> , 2009, 24, 303-9.	4.0	30
22	Role of insulin-like growth factor α 1 receptor and c-Src in endothelin-1- and angiotensin α 1-induced PKB phosphorylation, and hypertrophic and proliferative responses in vascular smooth muscle cells. This article is one of a selection of papers published in a special issue on Advances in Cardiovascular Research.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 1009-1018.	1.4	25
23	Smooth muscle contractility and protein tyrosine phosphorylation. , 1997, 176, 47-51.		24
24	Insulin-like growth factor type-1 receptor transactivation in vasoactive peptide and oxidant-induced signaling pathways in vascular smooth muscle cells. This paper is one of a selection of papers published in this Special Issue, entitled "Young Investigators' Forum".. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 105-111.	1.4	24
25	Insulin-like growth-factor-1-induced PKB signaling and Egr-1 expression is inhibited by curcumin in A-10 vascular smooth muscle cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 241-247.	1.4	21
26	Involvement of Insulin-like Growth Factor Type 1 Receptor and Protein Kinase C α in Bis(maltolato)oxovanadium(IV)-Induced Phosphorylation of Protein Kinase B in HepG2 Cells. <i>Biochemistry</i> , 2006, 45, 11605-11615.	2.5	20
27	Cell-type-specific roles of IGF-1R and EGFR in mediating Zn ²⁺ -induced ERK1/2 and PKB phosphorylation. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 399-407.	2.6	19
28	Prolongation of insulin-induced activation of mitogen-activated protein kinases ERK 1/2 and phosphatidylinositol 3-kinase by vanadyl sulfate, a protein tyrosine phosphatase inhibitor. <i>Archives of Biochemistry and Biophysics</i> , 2003, 420, 9-17.	3.0	17
29	Attenuation of endothelin-1-induced PKB and ERK1/2 signaling, as well as Egr-1 expression, by curcumin in A-10 vascular smooth muscle cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 1277-1285.	1.4	17
30	Protein kinase B/AKT mediates insulin α 1-like growth factor 1 α 1-induced phosphorylation and nuclear export of histone deacetylase 5 via NADPH oxidase 4 activation in vascular smooth muscle cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 17337-17350.	4.1	17
31	ET-1-induced growth promoting responses involving ERK1/2 and PKB signaling and Egr-1 expression are mediated by Ca ²⁺ /CaM-dependent protein kinase-II in vascular smooth muscle cells. <i>Cell Calcium</i> , 2013, 54, 428-435.	2.4	16
32	Src tyrosine kinase mediates endothelin-1-induced early growth response protein-1 expression via MAP kinase-dependent pathways in vascular smooth muscle cells. <i>International Journal of Molecular Medicine</i> , 2016, 38, 1879-1886.	4.0	15
33	Section Review "Oncologic, Endocrine & Metabolic: Potential Use of Vanadium Compounds in the Treatment of Diabetes Mellitus. <i>Expert Opinion on Investigational Drugs</i> , 1995, 4, 525-536.	4.1	14
34	Early Growth Response Protein α 1 Expression by Insulin α 1-Like Growth Factor α 1 Requires ROS α -Dependent Activation of ERK1/2 and PKB Pathways in Vascular Smooth Muscle Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 152-162.	2.6	14
35	Involvement of insulin-like growth factor 1 receptor transactivation in endothelin-1-induced signaling in vascular smooth muscle cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010, 88, 501-509.	1.4	10
36	Angiotensin II-induced histone deacetylase 5 phosphorylation, nuclear export, and Egr-1 expression are mediated by Akt pathway in A10 vascular smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1554-H1565.	3.2	8

#	ARTICLE	IF	CITATIONS
37	Redox Regulation of Insulin Action and Signaling. <i>Antioxidants and Redox Signaling</i> , 2005, 7, 1011-1013.	5.4	7
38	cAMP attenuates angiotensin-II-induced Egr-1 expression via PKA-dependent signaling pathway in vascular smooth muscle cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 928-937.	1.4	7
39	Ca ²⁺ /Calmodulin-Dependent Protein Kinase- II in Vasoactive Peptide- Induced Responses and Vascular Biology. <i>Current Vascular Pharmacology</i> , 2014, 12, 249-257.	1.7	7
40	Involvement of the Akt-dependent CREB signaling pathway in hydrogen-peroxide-induced early growth response protein-1 expression in rat vascular smooth muscle cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 885-892.	1.4	5
41	Sirtuin1 contributes to the overexpression of Gi± proteins and hyperproliferation of vascular smooth muscle cells from spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2022, 40, 117-127.	0.5	4
42	Involvement of the early growth response protein 1 in vascular pathophysiology: an overview. <i>Indian Journal of Biochemistry and Biophysics</i> , 2014, 51, 457-66.	0.0	4
43	Stimulation of Mitogen-Activated Protein Kinases ERK-1 and ERK-2 by H2O2 in Vascular Smooth Muscle Cells. <i>Progress in Experimental Cardiology</i> , 2000, , 197-206.	0.0	3
44	Role of cyclic AMP response element binding protein (CREB) in angiotensin II-induced responses in vascular smooth muscle cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 30-35.	1.4	2
45	Involvement of Growth Factor Receptor and Nonreceptor Protein Tyrosine Kinases in Endothelin-1 and Angiotensin II-Induced Signaling Pathways in the Cardiovascular System. , 2011, , 315-333.		1
46	Requirement of c-Src in Angiotensin II and Endothelin 1-induced Activation of MAPKinases in Vascular Smooth Muscle Cells (VSMC). <i>FASEB Journal</i> , 2010, 24, 868.1.	0.5	0
47	Endothelin-1 (ET-1)-induced Early Growth Response Factor-1 Expression in Vascular Smooth Muscle Cells (VSMC) requires c-SRC and ERK1/2 activation. <i>FASEB Journal</i> , 2012, 26, 761.20.	0.5	0
48	Endothelin-1 (ET-1) induces Ca ²⁺ -Calmodulin-dependent Protein Kinase II ± (CaMKII±) expression in an ERK1/2-dependent pathway in vascular smooth muscle cells (VSMC). <i>FASEB Journal</i> , 2012, 26, 761.22.	0.5	0
49	Angiotensin-1-induced expression of the early growth response protein 1 is mediated by CaMKII-dependent pathway in vascular smooth muscle cells (1011.7). <i>FASEB Journal</i> , 2014, 28, 1011.7.	0.5	0