

# Sun Sik Bae

## List of Publications by Year in descending order

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43  
papers

996  
citations

516710

16  
h-index

454955

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44  
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times ranked

3893  
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#	ARTICLE	IF	CITATIONS
1	Regulation of Epithelial-Mesenchymal Transition of A549 Cells by Prostaglandin D2. <i>Cellular Physiology and Biochemistry</i> , 2022, 56, 89-104.	1.6	10
2	Comparative Analysis of Proteomes and Phosphoproteomes in Patients with Prostate Cancer Using Different Surgical Conditions. <i>World Journal of Men's Health</i> , 2022, 40, 608.	3.3	0
3	An aptamer agonist of the insulin receptor acts as a positive or negative allosteric modulator, depending on its concentration. <i>Experimental and Molecular Medicine</i> , 2022, 54, 531-541.	7.7	4
4	Coadministration of endothelial and smooth muscle cells derived from human induced pluripotent stem cells as a therapy for critical limb ischemia. <i>Stem Cells Translational Medicine</i> , 2021, 10, 414-426.	3.3	14
5	Modulation of Vascular Smooth Muscle Cell Phenotype by High Mobility Group AT-Hook 1. <i>Journal of Lipid and Atherosclerosis</i> , 2021, 10, 99.	3.5	6
6	Deletion of Akt1 Promotes Kidney Fibrosis in a Murine Model of Unilateral Ureteral Obstruction. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	5
7	The effect of desflurane on retinal angiogenesis in a mouse model of oxygen-induced retinopathy. <i>Journal of Anesthesia</i> , 2020, 34, 352-357.	1.7	1
8	Mesenchymal Stem Cell-Mediated Therapy of Peripheral Artery Disease Is Stimulated by a Lamin A-Progerin Binding Inhibitor. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 460.	3.5	1
9	Vascular leakage caused by loss of Akt1 is associated with impaired mural cell coverage. <i>FEBS Open Bio</i> , 2019, 9, 801-813.	2.3	10
10	Cyclosporin A inhibits differentiation and activation of monocytic cells induced by 27-hydroxycholesterol. <i>International Immunopharmacology</i> , 2019, 69, 358-367.	3.8	12
11	Prostaglandin D2 stimulates phenotypic changes in vascular smooth muscle cells. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-10.	7.7	14
12	7-Oxygenated cholesterol molecules differentially affect the expression of zonula occludens-1 in vascular smooth muscle cells and monocyte/macrophage cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 497, 521-526.	2.1	4
13	HMGB1 Increases IL-1 $\beta$ Production in Vascular Smooth Muscle Cells via NLRP3 Inflammasome. <i>Frontiers in Physiology</i> , 2018, 9, 313.	2.8	79
14	The expression of two isoforms of matrix metalloproteinase-2 in aged mouse models of diabetes mellitus and chronic kidney disease. <i>Kidney Research and Clinical Practice</i> , 2018, 37, 222-229.	2.2	6
15	Cooperation between p21 and Akt is required for p53-dependent cellular senescence. <i>Aging Cell</i> , 2017, 16, 1094-1103.	6.7	87
16	5-Lipoxygenase in monocytes emerges as a therapeutic target for intimal hyperplasia in a murine wire-injured femoral artery. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2210-2219.	3.8	8
17	Dynamic relocalization of NHERF1 mediates chemotactic migration of ovarian cancer cells toward lysophosphatidic acid stimulation. <i>Experimental and Molecular Medicine</i> , 2017, 49, e351-e351.	7.7	15
18	SIRT1/Adenosine Monophosphate-Activated Protein Kinase $\beta$ Signaling Enhances Macrophage Polarization to an Anti-inflammatory Phenotype in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2017, 8, 1135.	4.8	70

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19	Enhanced expression of two discrete isoforms of matrix metalloproteinase-2 in experimental and human diabetic nephropathy. <i>PLoS ONE</i> , 2017, 12, e0171625.	2.5	18
20	Neuroprotection by aripiprazole against $\beta$ -amyloid-induced toxicity by P-CK2 $\beta$ activation via inhibition of GSK-3 $\beta$ . <i>Oncotarget</i> , 2017, 8, 110380-110391.	1.8	9
21	Gastrin-releasing peptide promotes the migration of vascular smooth muscle cells through upregulation of matrix metalloproteinase-2 and -9. <i>BMB Reports</i> , 2017, 50, 628-633.	2.4	16
22	Uncoordinated 51 $\beta$ -like kinase 2 signaling pathway regulates epithelial $\rightarrow$ mesenchymal transition in A549 lung cancer cells. <i>FEBS Letters</i> , 2016, 590, 1365-1374.	2.8	32
23	Fibroblast Growth Factor 12 Is a Novel Regulator of Vascular Smooth Muscle Cell Plasticity and Fate. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1928-1936.	2.4	24
24	Probucol inhibits LPS-induced microglia activation and ameliorates brain ischemic injury in normal and hyperlipidemic mice. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 1031-1044.	6.1	40
25	Akt3 knockdown induces mitochondrial dysfunction in human cancer cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 447-453.	2.0	17
26	Cilostazol Upregulates Autophagy via SIRT1 Activation: Reducing Amyloid- $\beta$ Peptide and APP-CTF $\beta$ Levels in Neuronal Cells. <i>PLoS ONE</i> , 2015, 10, e0134486.	2.5	30
27	Platelet-derived growth factor regulates vascular smooth muscle phenotype via mammalian target of rapamycin complex 1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 57-62.	2.1	45
28	Phospholipase D2 promotes degradation of hypoxia-inducible factor-1 $\alpha$ independent of lipase activity. <i>Experimental and Molecular Medicine</i> , 2015, 47, e196-e196.	7.7	9
29	Mechanical stretch enhances the expression and activity of osteopontin and MMP-2 via the Akt1/AP-1 pathways in VSMC. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 13-24.	1.9	42
30	Essential role of Kr $\beta$ -like factor 5 during tumor necrosis factor $\alpha$ -induced phenotypic conversion of vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 1323-1327.	2.1	11
31	mTORC1 Phosphorylates LVRAG to Negatively Regulate Autophagosome and Endosome Maturation. <i>Molecular Cell</i> , 2015, 57, 207-218.	9.7	218
32	Up-Regulation of Rhoa/Rho Kinase Pathway by Translationally Controlled Tumor Protein in Vascular Smooth Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2014, 15, 10365-10376.	4.1	6
33	Akt1 isoform modulates phenotypic conversion of vascular smooth muscle cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2184-2192.	3.8	20
34	Insulin regulates monocyte trans-endothelial migration through surface expression of macrophage-1 antigen. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1539-1548.	3.8	12
35	Inhibitory role of polyunsaturated fatty acids on lysophosphatidic acid-induced cancer cell migration and adhesion. <i>FEBS Letters</i> , 2014, 588, 2971-2977.	2.8	11
36	Probucol plus cilostazol attenuate hypercholesterolemia-induced exacerbation in ischemic brain injury via anti-inflammatory effects. <i>International Journal of Molecular Medicine</i> , 2014, 34, 687-694.	4.0	13

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37	Regulation of arterial blood pressure by Akt1-dependent vascular relaxation. <i>Journal of Molecular Medicine</i> , 2011, 89, 1253-1260.	3.9	10
38	Pinoresinol-4,4'-di-O- $\beta$ -D-glucoside from <i>Valeriana officinalis</i> root stimulates calcium mobilization and chemotactic migration of mouse embryo fibroblasts. <i>Phytomedicine</i> , 2009, 16, 530-537.	5.3	11
39	Differential regulation of Akt/protein kinase B isoforms during cell cycle progression. <i>FEBS Letters</i> , 2009, 583, 685-690.	2.8	28
40	Linker region of Akt1/protein kinase B $\beta$ mediates platelet-derived growth factor-induced translocation and cell migration. <i>Cellular Signalling</i> , 2008, 20, 2030-2037.	3.6	28
41	HNE contributes to macrophage foam cell formation through increased expression of SRA in ApoE-deficient mice. <i>FASEB Journal</i> , 2008, 22, 924.13.	0.5	0
42	Mitochondrial ROS mediates HNE-induced MMP-2 production in VSMC via activation of Akt/NF- $\kappa$ B signaling pathways. <i>FASEB Journal</i> , 2008, 22, 924.14.	0.5	0
43	Lysophosphatidic acid in ascites from ovarian cancer patients selectively activates Akt1 to induce cell migration. <i>FASEB Journal</i> , 2008, 22, 580-580.	0.5	0