Ken-Ichi Furukawa

List of Publications by Year
in descending order

87 papers	2,301 citations	236612 25 h-index	243296 44 g-index
90 all docs	90 docs citations	90 times ranked	2378 citing authors

#	Article	IF	Citations
1	Elucidation of the inhibitory effect of (+)-hopeaphenol on polyinosinicâ€“polycytidylic acid-induced innate immunity activation in human cerebral microvascular endothelial cells. Journal of Pharmacological Sciences, 2022, 149, 147-157.	1.1	3
2	Effect of teriparatide on ligamentum flavum mesenchymal stem cells isolated from patients with ossification of the posterior longitudinal ligament. Journal of Pharmacological Sciences, 2021, 145, 23-28.	1.1	2
3	Human aortic valve interstitial cells obtained from patients with aortic valve stenosis are vascular endothelial growth factor receptor 2 positive and contribute to ectopic calcification. Journal of Pharmacological Sciences, 2021, 145, 213-221.	1.1	1
4	Coagulation, Vascular Morphology, and Vasculogenesis in Spinal Ligament Ossification Model Mice. Spine, 2021, 46, E802-E809.	1.0	1
5	Menaquinone-4 Accelerates Calcification of Human Aortic Valve Interstitial Cells in High-Phosphate Medium through PXR. Journal of Pharmacology and Experimental Therapeutics, 2020, 372, 277-284.	1.3	10
6	Ectopic Ossification of Human Spinal Ligaments Caused byÂMesenchymal Stem Cell Abnormalities. , 2020, , 47-54.		0
7	Facilitation of Chemotaxis Activity of Mesenchymal Stem Cells via Stromal Cellâ€“Derived Factor-1 and Its Receptor May Promote Ectopic Ossification of Human Spinal Ligaments. Journal of Pharmacology and Experimental Therapeutics, 2019, 369, 1-8.	1.3	7
8	Warfarin calcifies human aortic valve interstitial cells at high-phosphate conditions via pregnane X receptor. Journal of Bone and Mineral Metabolism, 2019, 37, 944-956.	1.3	9
9	Matrix Gla protein negatively regulates calcification of human aortic valve interstitial cells isolated from calcified aortic valves. Journal of Pharmacological Sciences, 2018, 136, 257-265.	1.1	31
10	High Osteogenic Potential of Adipose- and Muscle-derived Mesenchymal Stem Cells in Spinal-Ossification Model Mice. Spine, 2017, 42, E1342-E1349.	1.0	23
11	Suppression of osteogenic differentiation in mesenchymal stem cells from patients with ossification of the posterior longitudinal ligament by a histamine-2-receptor antagonist. European Journal of Pharmacology, 2017, 810, 156-162.	1.7	11
12	1-Methyl-2-undecyl-4(1H)-quinolone, a derivative of quinolone alkaloid evocarpine, attenuates high phosphate-induced calcification of human aortic valve interstitial cells by inhibiting phosphate cotransporter PiT-1. Journal of Pharmacological Sciences, 2016, 131, 51-57.	1.1	18
13	Decreased DNA methylation in the promoter region of the WNT5A and GDNF genes may promote the osteogenicity of mesenchymal stem cells from patients with ossified spinal ligaments. Journal of Pharmacological Sciences, 2015, 127, 467-473.	1.1	25
14	A genome-wide association study identifies susceptibility loci for ossification of the posterior longitudinal ligament of the spine. Nature Genetics, 2014, 46, 1012-1016.	9.4	115
15	Comparison of initial versus delayed introduction of a treat-to-target strategy in patients with recent-onset rheumatoid arthritis: results of the T-4 3-year study. Annals of the Rheumatic Diseases, 2014, 73, 470-472.	0.5	4
16	Identification of a novel COL2A1 mutation (c.1744G>A) in a Japanese family: a case report. Journal of Medical Case Reports, 2014, 8, 276.	0.4	8
17	8-Methyltryptanthrin-Induced Differentiation of P19CL6 Embryonal Carcinoma Cells into Spontaneously Beating Cardiomyocyte-like Cells. Journal of Natural Products, 2014, 77, 1413-1419.	1.5	14
18	Osteogenic lineage commitment of mesenchymal stem cells from patients with ossification of the posterior longitudinal ligament. Biochemical and Biophysical Research Communications, 2014, 443, 1014-1020.	1.0	26

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19	Recent Advances in Research on Human Aortic Valve Calcification. Journal of Pharmacological Sciences, 2014, 124, 129-137.	1.1	15
20	Immunohistochemical localization of mesenchymal stem cells in ossified human spinal ligaments. Biochemical and Biophysical Research Communications, 2013, 436, 698-704.	1.0	26
21	CD34-negative mesenchymal stem-like cells may act as the cellular origin of human aortic valve calcification. Biochemical and Biophysical Research Communications, 2013, 440, 780-785.	1.0	26
22	Cytosolic Ca2+â€"Induced Apoptosis in Rat Cardiomyocytes via Mitochondrial NO-cGMP-Protein Kinase G Pathway. Journal of Pharmacology and Experimental Therapeutics, 2013, 344, 77-84.	1.3	17
23	Mesenchymal stem cell isolation and characterization from human spinal ligaments. Biochemical and Biophysical Research Communications, 2012, 417, 1193-1199.	1.0	35
24	Post injury changes in the properties of mesenchymal stem cells derived from human anterior cruciate ligaments. International Orthopaedics, 2012, 36, 1515-1522.	0.9	18
25	Genetic Differences in the Osteogenic Differentiation Potency According to the Classification of Ossification of the Posterior Longitudinal Ligament of the Cervical Spine. Spine, 2011, 36, 951-957.	1.0	24
26	Contribution of Bone Morphogenetic Protein-2 to Aortic Valve Calcification in Aged Rat. Journal of Pharmacological Sciences, 2011, 115, 8-14.	1.1	25
27	P2Y1 Transient Overexpression Induced Mineralization in Spinal Ligament Cells Derived from Patients with Ossification of the Posterior Longitudinal Ligament of the Cervical Spine. Calcified Tissue International, 2011, 88, 263-271.	1.5	11
28	Tumor Necrosis Factor-Î± Accelerates the Calcification of Human Aortic Valve Interstitial Cells Obtained from Patients with Calcific Aortic Valve Stenosis via the BMP2-Dlx5 Pathway. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 16-23.	1.3	102
29	Nifedipine enhances cGMP production through the activation of soluble guanylyl cyclase in rat ventricular papillary muscle. Journal of Pharmacy and Pharmacology, 2010, 57, 511-514.	1.2	5
30	Opposite Effects of Two Resveratrol (<i>trans</i>-3,5,4â€²-Trihydroxystilbene) Tetramers, Vitisin A and Hopeaphenol, on Apoptosis of Myocytes Isolated from Adult Rat Heart. Journal of Pharmacology and Experimental Therapeutics, 2009, 328, 90-98.	1.3	24
31	Comparison of Cardiovascular Parameters Between Patients With Ossification of Posterior Longitudinal Ligament and Patients With Cervical Spondylotic Myelopathy. Journal of Spinal Disorders and Techniques, 2009, 22, 361-366.	1.8	16
32	Pharmacological aspect of ectopic ossification in spinal ligament tissues. , 2008, 118, 352-358.		20
33	Possible Role of Extracellular Nucleotides in Ectopic Ossification of Human Spinal Ligaments. Journal of Pharmacological Sciences, 2008, 106, 152-161.	1.1	16
34	Calcification of Aortic Smooth Muscle Cells Isolated From Spontaneously Hypertensive Rats. Journal of Pharmacological Sciences, 2008, 106, 280-286.	1.1	13
35	A Functional RNAi Screen for Runx2-Regulated Genes Associated With Ectopic Bone Formation in Human Spinal Ligaments. Journal of Pharmacological Sciences, 2008, 106, 404-414.	1.1	21
36	Generation of Antitumor Active Neutral Medium-Sized Î±-Glycan in Apple Vinegar Fermentation. Bioscience, Biotechnology and Biochemistry, 2007, 71, 2124-2129.	0.6	14

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37	Assessment of the Effects of L- and N-Type Ca2+ Channel Blocking Drugs Using Canine Blood-Perfused Papillary Muscle Preparations. Tohoku Journal of Experimental Medicine, 2007, 212, 415-422.	0.5	3
38	Cardiac mitochondrial cGMP stimulates cytochrome c release. Clinical Science, 2007, 112, 113-121.	1.8	13
39	Inhibitory effects of glucocorticoids on urocortin-mediated increases in interleukin-6 gene expression in rat aortic smooth muscle cells. Peptides, 2007, 28, 1059-1067.	1.2	3
40	Inhibitory effects of glucocorticoids on urocortin-mediated increases in interleukin-6 gene expression in rat aortic smooth muscle cells. Peptides, 2007, 28, 1059-1067.	1.2	3
41	Tumour necrosis factor Î±-stimulated gene-6 inhibits osteoblastic differentiation of human mesenchymal stem cells induced by osteogenic differentiation medium and BMP-2. Biochemical Journal, 2006, 398, 595-603.	1.7	40
42	Current Topics in Pharmacological Research on Bone Metabolism: Molecular Basis of Ectopic Bone Formation Induced by Mechanical Stress. Journal of Pharmacological Sciences, 2006, 100, 201-204.	1.1	41
43	Changes in pH Increase Perfusion Pressure of Coronary Arteries in the Rat. Journal of Pharmacological Sciences, 2005, 97, 400-407.	1.1	3
44	The Promyelotic Leukemia Zinc Finger Promotes Osteoblastic Differentiation of Human Mesenchymal Stem Cells as an Upstream Regulator of CBFA1. Journal of Biological Chemistry, 2005, 280, 8523-8530.	1.6	80
45	Gene Expression and Functional Activity of Sodium/Calcium Exchanger Enhanced in Vascular Smooth Muscle Cells of Spontaneously Hypertensive Rats. Journal of Cardiovascular Pharmacology, 2004, 43, 629-637.	0.8	19
46	Role of Corticotropin-Releasing Factor Receptor Type 2Î² in Urocortin-Induced Vasodilation of Rat Aortas. Journal of Pharmacological Sciences, 2004, 96, 170-176.	1.1	18
47	Genomewide Linkage and Linkage Disequilibrium Analyses Identify COL6A1, on Chromosome 21, as the Locus for Ossification of the Posterior Longitudinal Ligament of the Spine. American Journal of Human Genetics, 2003, 73, 812-822.	2.6	137
48	Role of Prostaglandin I2 in the Gene Expression Induced by Mechanical Stress in Spinal Ligament Cells Derived from Patients with Ossification of the Posterior Longitudinal Ligament. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 818-824.	1.3	57
49	Vasodilative Effects of Urocortin II via Protein Kinase A and a Mitogen-activated Protein Kinase in Rat Thoracic Aorta. Journal of Cardiovascular Pharmacology, 2003, 42, 561-565.	0.8	57
50	Endothelium-dependent vasodilatory effect of vitisin C, a novel plant oligostilbene from Vitis plants (Vitaceae), in rabbit aorta. Clinical Science, 2003, 105, 73-79.	1.8	12
51	Stimulated Tyrosine Phosphorylation of Phosphatidylinositol 3-Kinase Causes Acidic pH-Induced Contraction in Spontaneously Hypertensive Rat Aorta. Journal of Pharmacology and Experimental Therapeutics, 2002, 303, 1255-1264.	1.3	10
52	Antisense-Inhibition of Plasma Membrane Ca2+ Pump Induces Apoptosis in Vascular Smooth Muscle Cells. The Japanese Journal of Pharmacology, 2002, 90, 164-172.	1.2	17
53	Possible Roles of CTGF/Hcs24 in the Initiation and Development of Ossification of the Posterior Longitudinal Ligament. Spine, 2002, 27, 1852-1857.	1.0	48
54	The vaso-contractile action of zooxanthellatoxin-B from a marine dinoflagellate is mediated via Ca²⁺influx in the rabbit aorta. Canadian Journal of Physiology and Pharmacology, 2001, 79, 1030-1035.	0.7	3

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55	Virol A, a toxic trans-polyacetylenic alcohol of Cicuta virosa, selectively inhibits the GABA-induced Clâˆ’ current in acutely dissociated rat hippocampal CA1 neurons. Brain Research, 2001, 889, 174-180.	1.1	18
56	Halenaquinone, a novel phosphatidylinositol 3-kinase inhibitor from a marine sponge, induces apoptosis in PC12 cells. European Journal of Pharmacology, 2001, 413, 37-45.	1.7	54
57	The vaso-contractile action of zooxanthellatoxin-B from a marine dinoflagellate is mediated via Ca²⁺ influx in the rabbit aorta. Canadian Journal of Physiology and Pharmacology, 2001, 79, 1030-1035.	0.7	2
58	Inhibition by antisense oligonucleotides of plasma membrane Ca2+ ATPase in vascular endothelial cells. European Journal of Pharmacology, 2000, 387, 273-277.	1.7	5
59	Novel Acyl Î±-Pyronoids, Dictyopyrone A, B, and C, fromDictyosteliumCellular Slime Molds. Journal of Organic Chemistry, 2000, 65, 985-989.	1.7	46
60	A new scorpion toxin (BmK-PL) stimulates Ca2+-release channel activity of the skeletal-muscle ryanodine receptor by an indirect mechanism. Biochemical Journal, 1999, 339, 343-350.	1.7	30
61	Modulation of actomyosin ATPase by thiotetromycin is mediated through conformational change of actin. European Journal of Pharmacology, 1999, 383, 381-386.	1.7	5
62	A Fluorometric Assay for Cyclic Guanosine 3â€²,5â€²-Monophosphate Incorporating a Sep-Pak Cartridge and Enzymatic Cycling. Analytical Biochemistry, 1999, 272, 243-249.	1.1	7
63	A new scorpion toxin (BmK-PL) stimulates Ca2+-release channel activity of the skeletal-muscle ryanodine receptor by an indirect mechanism. Biochemical Journal, 1999, 339, 343.	1.7	17
64	Effect of Î³-mangostin through the inhibition of 5-hydroxytryptamine2A receptors in 5-fluoro-Î±-methyltryptamine-induced head-twitch responses of mice. British Journal of Pharmacology, 1998, 123, 855-862.	2.7	26
65	Dual Regulation of the Skeletal Muscle Ryanodine Receptor by Triadin and Calsequestrinâ€. Biochemistry, 1998, 37, 12987-12993.	1.2	94
66	The mechanism of acidic pHâ€induced contraction in aortae from SHR and WKY rats enhanced by increasing blood pressure. British Journal of Pharmacology, 1996, 118, 485-492.	2.7	19
67	Pharmacological properties of Î±-mangostin, a novel histamine H1 receptor antagonist. European Journal of Pharmacology, 1996, 314, 351-356.	1.7	70
68	Histaminergic and Serotonergic Receptor Blocking Substances from the Medicinal PlantGarcinia mangostana. Planta Medica, 1996, 62, 471-472.	0.7	53
69	Structure-activity relationship of bromoeudistomin D, a powerful Ca2+ releaser in skeletal muscle sarcoplasmic reticulum. European Journal of Pharmacology, 1995, 288, 285-293.	2.7	15
70	Calsequestrin is essential for the Ca2+ release induced by myotoxin Î± in skeletal muscle sarcoplasmic reticulum. Canadian Journal of Physiology and Pharmacology, 1995, 73, 1181-1185.	0.7	23
71	Xestoquinone Activates Skeletal Muscle Actomyosin ATPase by Modification of the Specific Sulfhydryl Group in the Myosin Head Probably Distinct from Sulfhydryl Groups SH1 and SH2. Biochemistry, 1995, 34, 12570-12575.	1.2	27
72	[3H]9-Methyl-7-bromoeudistomin D, a caffeine-like powerful Ca2+releaser, binds to caffeine-binding sites distinct from the ryanodine receptors in brain microsomes. FEBS Letters, 1995, 373, 250-254.	1.3	8

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73	4, 6â€Dibromoâ€3â€hydroxycarbazole (an analogue of caffeineâ€like Ca²⁺ releaser), a novel type of inhibitor of Ca²⁺â€induced Ca²⁺ release in skeletal muscle sarcoplasmic reticulum. British Journal of Pharmacology, 1995, 114, 941-948.	2.7	10
74	Calsequestrin is a major binding protein of myotoxin Î± and an endogenious Ca2+ releaser in sarcoplasmic reticulum. European Journal of Pharmacology, 1994, 268, R1-R2.	2.7	15
75	Ca²⁺ release induced by myotoxin <i>a</i>, a radioâ€labellable probe having novel Ca²⁺ release properties in sarcoplasmic reticulum. British Journal of Pharmacology, 1994, 113, 233-239.	2.7	23
76	Regulation of the Cardiac Ryanodine Receptor by Protein Kinase-Dependent Phosphorylation1. Journal of Biochemistry, 1991, 109, 163-170.	0.9	182
77	Protein Kinase-Dependent Phosphorylation of Cardiac Sarcolemmal Ca2+ as Studied with a Specific Monoclonal Antibody1. Journal of Biochemistry, 1990, 108, 222-229.	0.9	21
78	Modulation of Plasma Membrane Ca2+ Pump by Membrane Potential in Cultured Vascular Smooth Muscle Cells1. Journal of Biochemistry, 1989, 106, 1068-1073.	0.9	18
79	Concomitant Increase in Cytosolic Free Calcium and Phosphorylation of Myosin Light Chain by Vasoconstrictive Hormones in Cultured Rat Vascular Smooth Muscle Cells.. Endocrinologia Japonica, 1988, 35, 577-584.	0.5	5
80	Cyclic AMP Enhances Inositol Trisphosphate-Induced Mobilization of Intracellular Ca2+ in Cultured Aortic Smooth Muscle Cells1. Journal of Biochemistry, 1988, 104, 795-800.	0.9	15
81	Regulation of Plasma Membrane Ca-Pump ATPase of Vascular Smooth Muscle by cGMP. , 1988, , 427-431.		0
82	Cyclic GMP Regulation of the Plasma Membrane (Ca2+-Mg2+)ATPase in Vascular Smooth Muscle1. Journal of Biochemistry, 1987, 101, 287-290.	0.9	86
83	ATP-Induced Calcium Transient in Cultured Rat Aortic Smooth Muscle Cells1. Journal of Biochemistry, 1987, 102, 1499-1509.	0.9	59
84	Characterization of the (Ca2+-Mg2+)ATPase Purified by Calmodulin-Affinity Chromatography from Bovine Aortic Smooth Muscle1. Journal of Biochemistry, 1984, 96, 1343-1350.	0.9	32
85	Effect of Tryptic Digestion of Myosin Subfragment-1 on Its Binding to F-Actin1. Journal of Biochemistry, 1984, 95, 1343-1348.	0.9	7
86	The Conventional and Saturation Transfer Electron Paramagnetic Resonance of Spin-Labeled Myosin Subfragment-1 in the Presence of F-Actin and Nucleotides1. Journal of Biochemistry, 1982, 92, 1219-1225.	0.9	1
87	The Amount of Nucleotide Binding and the P1-Size of Myosin Adenosinetriphosphatase: Evidence for the Nonidentical Two-Headed Structure of Myosin1. Journal of Biochemistry, 1980, 88, 1629-1641.	0.9	7