

Takaaki A Koshimizu

List of Publications by Year in descending order

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80
papers

3,735
citations

136950

32
h-index

128289

60
g-index

81
all docs

81
docs citations

81
times ranked

4316
citing authors

#	ARTICLE	IF	CITATIONS
1	Serum sodium level associated with coronary artery lesions in patients with Kawasaki disease. <i>Clinical Rheumatology</i> , 2022, 41, 137-145.	2.2	6
2	Epidemiology and Risk Factors for Giant Coronary Artery Aneurysms Identified After Acute Kawasaki Disease. <i>Pediatric Cardiology</i> , 2021, 42, 969-977.	1.3	15
3	Agonist dependency of the second phase access of $\hat{\iota}^2$ -arrestin 2 to the heteromeric $\hat{\mu}$ -V1b receptor. <i>Scientific Reports</i> , 2021, 11, 15813.	3.3	2
4	Critical role of V1a vasopressin receptor in murine parturition. <i>Biology of Reproduction</i> , 2020, 102, 923-934.	2.7	1
5	Vasopressin Increases Urinary Acidification via V1a Receptors in Collecting Duct Intercalated Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 946-961.	6.1	19
6	Vasopressin V1a Receptor of Renal Collecting Duct Intercalated Cells Promotes Urinary Proton Secretion. <i>FASEB Journal</i> , 2019, 33, 862.20.	0.5	0
7	Complex formation between the vasopressin 1b receptor, $\hat{\iota}^2$ -arrestin-2, and the $\hat{\iota}^{1/4}$ -opioid receptor underlies morphine tolerance. <i>Nature Neuroscience</i> , 2018, 21, 820-833.	14.8	28
8	BRET analysis of interactions among dimerized receptor and $\hat{\iota}^2$ -arrestin. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO4-11-12.	0.0	0
9	V1a vasopressin receptor involved in the uterus contraction. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO4-11-3.	0.0	0
10	Comparative analysis of V1a and V1b receptor distribution in the mammalian brain. <i>FASEB Journal</i> , 2018, 32, 783.2.	0.5	0
11	Combined sodium ion sensitivity in agonist binding and internalization of vasopressin V1b receptors. <i>Scientific Reports</i> , 2016, 6, 25327.	3.3	6
12	Lipopolysaccharide-induced inflammation or unilateral ureteral obstruction yielded multiple types of glycosylated Lipocalin 2. <i>Journal of Inflammation</i> , 2016, 13, 7.	3.4	18
13	Prostaglandin D2 elicits the reversible neurite retraction in hypothalamic cell line. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 804-810.	2.1	2
14	Pharmacological lineage analysis revealed the binding affinity of broad-spectrum substance P antagonists to receptors for gonadotropin-releasing peptide. <i>European Journal of Pharmacology</i> , 2015, 749, 98-106.	3.5	3
15	Subcellular localization and internalization of the vasopressin V1B receptor. <i>European Journal of Pharmacology</i> , 2015, 765, 291-299.	3.5	14
16	Identification of protein arginine N-methyltransferase 5 (PRMT5) as a novel interacting protein with the tumor suppressor protein RASSF1A. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 778-784.	2.1	4
17	Basic and Clinical Pharmacology of Vasopressin V2 Antagonist. <i>Japanese Journal of Clinical Pharmacology and Therapeutics</i> , 2014, 45, 29-30.	0.1	0
18	Serum amyloid A upsurge precedes standard biomarkers of hepatotoxicity in ritodrine-injected mice. <i>Toxicology</i> , 2013, 305, 79-88.	4.2	10

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19	$\hat{\Gamma}$ -Lipoic acid protects against arsenic trioxide-induced acute QT prolongation in anesthetized guinea pigs. <i>European Journal of Pharmacology</i> , 2013, 705, 1-10.	3.5	12
20	Voluntary locomotion linked with cerebral activation is mediated by vasopressin V1a receptors in free-moving mice. <i>Journal of Physiology</i> , 2013, 591, 3651-3665.	2.9	10
21	Metastasis-associated protein, S100A4 mediates cardiac fibrosis potentially through the modulation of p53 in cardiac fibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 57, 72-81.	1.9	62
22	Vasopressin V1a and V1b Receptors: From Molecules to Physiological Systems. <i>Physiological Reviews</i> , 2012, 92, 1813-1864.	28.8	308
23	Dysfunction of lipid sensor GPR120 leads to obesity in both mouse and human. <i>Nature</i> , 2012, 483, 350-354.	27.8	572
24	Chronic ritodrine treatment induces refractoriness of glucose-lowering $\hat{\Gamma}^2$ adrenoceptor signal in female mice. <i>Regulatory Toxicology and Pharmacology</i> , 2012, 62, 561-567.	2.7	6
25	The roles of V1a vasopressin receptors in blood pressure homeostasis: a review of studies on V1a receptor knockout mice. <i>Clinical and Experimental Nephrology</i> , 2012, 16, 30-34.	1.6	20
26	Protective Effect of $\hat{\Gamma}$ -Lipoic Acid Against Arsenic Trioxide-Induced Acute Cardiac Toxicity in Rats. <i>Journal of Pharmacological Sciences</i> , 2011, 115, 244-248.	2.5	14
27	Proximal tubules and podocytes are toxicity targets of bucillamine in a mouse model of drug-induced kidney injury. <i>European Journal of Pharmacology</i> , 2011, 670, 208-215.	3.5	8
28	Oxytocin stimulates expression of a noncoding RNA tumor marker in a human neuroblastoma cell line. <i>Life Sciences</i> , 2010, 86, 455-460.	4.3	49
29	Signaling by purinergic receptors and channels in the pituitary gland. <i>Molecular and Cellular Endocrinology</i> , 2010, 314, 184-191.	3.2	20
30	Inhibition of heat shock protein 90 attenuates adenylate cyclase sensitization after chronic morphine treatment. <i>Biochemical and Biophysical Research Communications</i> , 2010, 392, 603-607.	2.1	24
31	The Inhibitory Effect of Cranberry Juice on Phenytoin Metabolism by Human Liver Microsomes. <i>Japanese Journal of Clinical Pharmacology and Therapeutics</i> , 2009, 40, 59-64.	0.1	3
32	Flow Cytometry-Based Binding Assay for GPR40 (FFAR1; Free Fatty Acid Receptor 1). <i>Molecular Pharmacology</i> , 2009, 75, 85-91.	2.3	46
33	Vasopressin regulation of blood pressure and volume: findings from V1a receptor-deficient mice. <i>Kidney International</i> , 2009, 76, 1035-1039.	5.2	65
34	Novel selective ligands for free fatty acid receptors GPR120 and GPR40. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 380, 247-255.	3.0	123
35	Prostate growth inhibition by subtype-selective α_1 -adrenoceptor antagonist naftopidil in benign prostatic hyperplasia. <i>Prostate</i> , 2009, 69, 1521-1528.	2.3	33
36	Cranberry juice suppressed the diclofenac metabolism by human liver microsomes, but not in healthy human subjects. <i>British Journal of Clinical Pharmacology</i> , 2009, 68, 194-200.	2.4	28

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37	New Topics in Vasopressin Receptors and Approach to Novel Drugs: Vasopressin and Pain Perception. <i>Journal of Pharmacological Sciences</i> , 2009, 109, 33-37.	2.5	42
38	Free fatty acids induce cholecystokinin secretion through GPR120. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008, 377, 523-527.	3.0	230
39	Cloning and characterization of the rat free fatty acid receptor GPR120: in vivo effect of the natural ligand on GLP-1 secretion and proliferation of pancreatic I ² cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008, 377, 515-522.	3.0	104
40	Production and characterization of a monoclonal antibody against GPR40 (FFAR1; free fatty acid) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	27
41	Clinical implications from studies of β 1 adrenergic receptor knockout mice. <i>Biochemical Pharmacology</i> , 2007, 73, 1107-1112.	4.4	14
42	Glucocorticoid-induced granzyme A expression can be used as a marker of glucocorticoid sensitivity for acute lymphoblastic leukemia therapy. <i>Journal of Human Genetics</i> , 2007, 52, 328-333.	2.3	9
43	Free fatty acids administered into the colon promote the secretion of glucagon-like peptide-1 and insulin. <i>Biochemical and Biophysical Research Communications</i> , 2006, 340, 332-337.	2.1	38
44	Functional Role of Spliced Cytoplasmic Tails in P2X ₂ -Receptor-Mediated Cellular Signaling. <i>Journal of Pharmacological Sciences</i> , 2006, 101, 261-266.	2.5	17
45	Carboxyl-Terminal Splicing Enhances Physical Interactions between the Cytoplasmic Tails of Purinergic P2X Receptors. <i>Molecular Pharmacology</i> , 2006, 69, 1588-1598.	2.3	36
46	V1a vasopressin receptors maintain normal blood pressure by regulating circulating blood volume and baroreflex sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7807-7812.	7.1	149
47	Molecular Dissection of Purinergic P2X Receptor Channels. <i>Annals of the New York Academy of Sciences</i> , 2005, 1048, 116-130.	3.8	32
48	Correlation between vasoconstrictor roles and mRNA expression of α 1 adrenoceptor subtypes in blood vessels of genetically engineered mice. <i>British Journal of Pharmacology</i> , 2005, 146, 456-466.	5.4	31
49	Two β 1-Adrenergic Receptor Subtypes Regulating the Vasopressor Response Have Differential Roles in Blood Pressure Regulation. <i>Molecular Pharmacology</i> , 2005, 67, 912-922.	2.3	44
50	Inhibition of protein kinase CK2 prevents the progression of glomerulonephritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7736-7741.	7.1	82
51	Carvedilol selectively inhibits oscillatory intracellular calcium changes evoked by human β 1D- and β 1B-adrenergic receptors. <i>Cardiovascular Research</i> , 2004, 63, 662-672.	3.8	27
52	Identification of Ectodomain Regions Contributing to Gating, Deactivation, and Resensitization of Purinergic P2X Receptors. <i>Journal of Neuroscience</i> , 2004, 24, 6968-6978.	3.6	39
53	Vasopressin Stimulates Insulin Release from Islet Cells through V1b Receptors: a Combined Pharmacological/Knockout Approach. <i>Molecular Pharmacology</i> , 2004, 65, 623-629.	2.3	88
54	The vasopressin V1b receptor critically regulates hypothalamic-pituitary-adrenal axis activity under both stress and resting conditions. <i>Journal of Clinical Investigation</i> , 2004, 113, 302-309.	8.2	96

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55	The vasopressin V1b receptor critically regulates hypothalamic-pituitary-adrenal axis activity under both stress and resting conditions. <i>Journal of Clinical Investigation</i> , 2004, 113, 302-309.	8.2	186
56	Insights into $\hat{1}$ adrenoceptor function in health and disease from transgenic animal studies. <i>Trends in Endocrinology and Metabolism</i> , 2003, 14, 107-113.	7.1	48
57	$\hat{1}$ -Adrenergic Receptor Subtypes Differentially Control the Cell Cycle of Transfected CHO Cells through a cAMP-dependent Mechanism Involving p27. <i>Journal of Biological Chemistry</i> , 2003, 278, 672-678.	3.4	27
58	Intracellular calcium measurements as a method in studies on activity of purinergic P2X receptor channels. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 285, C467-C479.	4.6	50
59	Two Novel Transcripts for Human Endothelin B Receptor Produced by RNA Editing/Alternative Splicing from a Single Gene. <i>Journal of Biological Chemistry</i> , 2002, 277, 33205-33212.	3.4	16
60	Purinergic P2X2 Receptor Desensitization Depends on Coupling between Ectodomain and C-Terminal Domain. <i>Molecular Pharmacology</i> , 2002, 62, 1187-1197.	2.3	29
61	Heteromultimerization Modulates P2X Receptor Functions through Participating Extracellular and C-terminal Subdomains. <i>Journal of Biological Chemistry</i> , 2002, 277, 46891-46899.	3.4	28
62	Role of the $\hat{1}$ 1D - Adrenergic Receptor in the Development of Salt-Induced Hypertension. <i>Hypertension</i> , 2002, 40, 101-106.	2.7	55
63	Transgenic studies of $\hat{1}$ -adrenergic receptor subtype function. <i>Life Sciences</i> , 2002, 71, 2207-2215.	4.3	54
64	Restored Atrial Excitability After Late Recanalization in a Patient with Atrial Standstill and Acute Myocardial Infarction. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2002, 25, 217-219.	1.2	8
65	Signaling by extracellular nucleotides in anterior pituitary cells. <i>Trends in Endocrinology and Metabolism</i> , 2001, 12, 218-225.	7.1	37
66	Dependence of Soluble Guanylyl Cyclase Activity on Calcium Signaling in Pituitary Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 844-849.	3.4	25
67	Characterization of Calcium Signaling by Purinergic Receptor-Channels Expressed in Excitable Cells. <i>Molecular Pharmacology</i> , 2000, 58, 936-945.	2.3	82
68	Characterization of Purinergic Receptors and Receptor-Channels Expressed in Anterior Pituitary Cells. <i>Endocrinology</i> , 2000, 141, 4091-4099.	2.8	44
69	Expression of purinergic P2X2 receptor-channels and their role in calcium signaling in pituitary cells. <i>Biochemistry and Cell Biology</i> , 2000, 78, 393-404.	2.0	10
70	Expression of purinergic P2X ₂ receptor-channels and their role in calcium signaling in pituitary cells. <i>Biochemistry and Cell Biology</i> , 2000, 78, 393-404.	2.0	4
71	Characterization of Purinergic Receptors and Receptor-Channels Expressed in Anterior Pituitary Cells. <i>Endocrinology</i> , 2000, 141, 4091-4099.	2.8	14
72	Expression of Ca ²⁺ -Mobilizing EndothelinA Receptors and Their Role in the Control of Ca ²⁺ -Influx and Growth Hormone Secretion in Pituitary Somatotrophs. <i>Journal of Neuroscience</i> , 1999, 19, 7721-7731.	3.6	31

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73	Expression and Responsiveness of P2Y2 Receptors in Human Endometrial Cancer Cell Lines. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 4085-4091.	3.6	42
74	Characterization of a Plasma Membrane Calcium Oscillator in Rat Pituitary Somatotrophs. Journal of Biological Chemistry, 1999, 274, 35693-35702.	3.4	43
75	Contributions of the C-terminal Domain to the Control of P2X Receptor Desensitization. Journal of Biological Chemistry, 1999, 274, 37651-37657.	3.4	72
76	Expression and Responsiveness of P2Y2 Receptors in Human Endometrial Cancer Cell Lines. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 4085-4091.	3.6	13
77	Functional Role of Alternative Splicing in Pituitary P2X2 Receptor-Channel Activation and Desensitization. Molecular Endocrinology, 1998, 12, 901-913.	3.7	65
78	Identification of Amino Acid Residues Contributing to Desensitization of the P2X2 Receptor Channel. Journal of Biological Chemistry, 1998, 273, 12853-12857.	3.4	59
79	Functional Role of Alternative Splicing in Pituitary P2X2 Receptor-Channel Activation and Desensitization. Molecular Endocrinology, 1998, 12, 901-913.	3.7	31
80	Truncation of the Receptor Carboxyl Terminus Impairs Membrane Signaling but Not Ligand Binding of Human ETB Endothelin Receptor. Biochemical and Biophysical Research Communications, 1995, 217, 354-362.	2.1	23