Hiroyuki Mizuguchi

List of Publications by Year
in descending order

80 papers	1,565 citations	257450 24 h-index	345221 36 g-index
85 all docs	85 docs citations	85 times ranked	1361 citing authors

#	Article	IF	Citations
1	Molecular Mechanisms of Transcriptional Upregulation of the Histamine H₁ Receptor Gene in the Development of Allergic Rhinitis. Practica Otologica, Supplement, 2022, 158, 1-11.	0.0	0
2	Role of Nuclear Factor of Activated T Cells Signaling in the Development of Allergic Rhinitis. Practica Otologica, Supplement, 2022, 158, 12-19.	0.0	0
3	Development of a Phototherapy Device for Allergic Rhinitis Using LEDs Emitting Narrowband UVB. Practica Otologica, Supplement, 2022, 158, 20-28.	0.0	0
4	Effects of narrowâ€band UVB on nasal symptom and upregulation of histamine H 1 receptor mRNA in allergic rhinitis model rats. Laryngoscope Investigative Otolaryngology, 2021, 6, 34-41.	1.5	1
5	Down-regulation of astrocytic sonic hedgehog by activation of endothelin ETB receptors: Involvement in traumatic brain injury-induced disruption of blood brain barrier in a mouse model. Neurochemistry International, 2021, 146, 105042.	3.8	14
6	Effects of Syo-seiryu-to and Its Constituent Crude Drugs on Phorbol Ester-Induced Up-Regulation of IL-33 and Histamine H1 Receptor mRNAs in Swiss 3T3 and HeLa Cells. Allergies, 2021, 1, 163-175.	0.8	4
7	Signaling Pathway of Histamine H1 Receptor-Mediated Histamine H1 Receptor Gene Upregulation Induced by Histamine in U-373 MG Cells. Current Issues in Molecular Biology, 2021, 43, 1243-1254.	2.4	2
8	Pharmacological Inhibition of Transient Receptor Potential Vanilloid 4 Reduces Vasogenic Edema after Traumatic Brain Injury in Mice. Biological and Pharmaceutical Bulletin, 2021, 44, 1759-1766.	1.4	7
9	Patho-Pharmacological Research of Anti-allergic Natural Products Targeting Antihistamine-Sensitive and -Insensitive Allergic Mechanisms. Current Topics in Behavioral Neurosciences, 2021, , 1.	1.7	1
10	Molecular Signaling and Transcriptional Regulation of Histamine H1 Receptor Gene. Current Topics in Behavioral Neurosciences, 2021, , 91-110.	1.7	4
11	Identification and characterisation of the antiâ€allergic compound from lotus root. Traditional & Kampo Medicine, 2020, 7, 85-95.	0.6	3
12	Elucidation of Inverse Agonist Activity of Bilastine. Pharmaceutics, 2020, 12, 525.	4.5	9
13	Endothelin receptor antagonists alleviate blood-brain barrier disruption and cerebral edema in a mouse model of traumatic brain injury: A comparison between bosentan and ambrisentan. Neuropharmacology, 2020, 175, 108182.	4.1	23
14	Angiopoietinâ€1/Tieâ€2 signal after focal traumatic brain injury is potentiated by BQ788, an ET_B receptor antagonist, in the mouse cerebrum: Involvement in recovery of bloodâ€“brain barrier function. Journal of Neurochemistry, 2020, 154, 330-348.	3.9	18
15	Effects of corticosteroid on mRNA levels of histamine H1 receptor in nasal mucosa of healthy participants and HeLa cells. Journal of Medical Investigation, 2020, 67, 311-314.	0.5	3
16	Identification of pyrogallol from Awa-tea as an anti-allergic compound that suppresses nasal symptoms and IL-9 gene expression. Journal of Medical Investigation, 2020, 67, 289-297.	0.5	6
17	Pre-seasonal prophylactic treatment in Japanese cedar pollinosis. Journal of Japan Society of Immunology & Allergology in Otolaryngology, 2019, 37, 241-244.	0.0	0
18	Effects of irradiation with narrowband-ultraviolet B on up-regulation of histamine H1 receptor mRNA and induction of apoptosis in HeLa cells and nasal mucosa of rats. Journal of Pharmacological Sciences, 2018, 138, 54-62.	2.5	4

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19	Effect of wild grape on the signaling of histamine H₁ receptor gene expression responsible for the pathogenesis of allergic rhinitis. Journal of Medical Investigation, 2018, 65, 242-250.	0.5	10
20	Effect of Royal Jelly and Brazilian Green Propolis on the Signaling for Histamine H₁ Receptor and Interleukin-9 Gene Expressions Responsible for the Pathogenesis of the Allergic Rhinitis. Biological and Pharmaceutical Bulletin, 2018, 41, 1440-1447.	1.4	25
21	Isolation of anti-allergic compound from Lotus Root. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-4-8.	0.0	0
22	Notable alleviation of allergic symptoms through suppression of both histamine H₁ receptor and IL-9 gene expressions. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY43-3.	0.0	0
23	Protein kinase C-Î´ signaling regulates glucagon secretion from pancreatic islets. Journal of Medical Investigation, 2017, 64, 122-128.	0.5	8
24	Irradiation with narrowband-ultraviolet B suppresses phorbol ester-induced up-regulation of H₁receptor mRNA in HeLa cells. Acta Oto-Laryngologica, 2016, 136, 409-413.	0.9	5
25	Histamine H1 Receptor Gene Expression and Drug Action of Antihistamines. Handbook of Experimental Pharmacology, 2016, 241, 161-169.	1.8	6
26	A novel benzofuran, 4-methoxybenzofuran-5-carboxamide, from Tephrosia purpurea suppressed histamine H 1 receptor gene expression through a protein kinase C-Î´-dependent signaling pathway. International Immunopharmacology, 2016, 30, 18-26.	3.8	8
27	Antihistamines suppress upregulation of histidine decarboxylase gene expression with potencies different from their binding affinities for histamine H1 receptor in toluene 2,4-diisocyanate-sensitized rats. Journal of Pharmacological Sciences, 2016, 130, 212-218.	2.5	5
28	Suplatast tosilate alleviates nasal symptoms through the suppression of nuclear factor of activated T-cells-mediated IL-9 gene expression in toluene-2,4-diisocyanate-sensitized rats. Journal of Pharmacological Sciences, 2016, 130, 151-158.	2.5	10
29	Clinical Significance of Histamine H1 Receptor Gene Expression and Drug Action of Antihistamines. Receptors, 2016, , 157-172.	0.2	0
30	Maackiain is a novel antiallergic compound that suppresses transcriptional upregulation of the histamine H₁ receptor and interleukinâ€4 genes. Pharmacology Research and Perspectives, 2015, 3, e00166.	2.4	33
31	Effects of antihistamine on up-regulation of histamine H1 receptor mRNA in the nasal mucosa of patients with pollinosis induced by controlled cedar pollen challenge in an environmental exposure unit. Journal of Pharmacological Sciences, 2015, 129, 183-187.	2.5	16
32	Disruption of Heat Shock Protein 90 (Hsp90)-Protein Kinase CÎ´ (PKCÎ´) Interaction by (âˆ’)-Maackiain Suppresses Histamine H1 Receptor Gene Transcription in HeLa Cells. Journal of Biological Chemistry, 2015, 290, 27393-27402.	3.4	22
33	The isolation and synthesis of a novel benzofuran compound from Tephrosia purpurea, and the synthesis of several related derivatives, which suppress histamine H1 receptor gene expression. Bioorganic and Medicinal Chemistry, 2015, 23, 6869-6874.	3.0	16
34	The Molecular Mechanism of Up-regulation of Histamine H1 Receptor mRNA in the Nasal Mucosa of Patients with Allergic Rhinitis and the Effect of Antihistamine on Histamine H1 Receptor Expression. Practica Otologica, 2014, 107, 261-270.	0.0	1
35	Quercetin inhibits transcriptional up-regulation of histamine H1 receptor via suppressing protein kinase C-Î´/extracellular signal-regulated kinase/poly(ADP-ribose) polymerase-1 signaling pathway in HeLa cells. International Immunopharmacology, 2013, 15, 232-239.	3.8	28
36	Usefulness of HeLa cells to evaluate inverse agonistic activity of antihistamines. International Immunopharmacology, 2013, 15, 539-543.	3.8	19

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37	Combination of Leukotoriene Receptor Antagonist With Antihistamine Has an Additive Suppressive Effect on the Up-regulation of H1-Receptor mRNA in the Nasal Mucosa of Toluene 2,4-Diisocyanate-Sensitized Rat. Journal of Pharmacological Sciences, 2013, 122, 55-58.	2.5	5
38	Preseasonal prophylactic treatment with antihistamines suppresses ILâˆ’5 but not IL-33 mRNA expression in the nasal mucosa of patients with seasonal allergic rhinitis caused by Japanese cedar pollen. Acta Oto-Laryngologica, 2012, 132, 434-438.	0.9	22
39	PMA-induced dissociation of Ku86 from the promoter causes transcriptional up-regulation of histamine H1 receptor. Scientific Reports, 2012, 2, 916.	3.3	24
40	Inverse Agonistic Activity of Antihistamines and Suppression of Histamine H1 Receptor Gene Expression. Journal of Pharmacological Sciences, 2012, 118, 117-121.	2.5	21
41	Identification of a histaminergic circuit in the caudal hypothalamus: An evidence for functional heterogeneity of histaminergic neurons. Neurochemistry International, 2012, 61, 942-947.	3.8	16
42	A report on anti-oedemogenic activity of Byttneria herbacea roots â€" Possible involvement of histamine receptor (type I). Journal of Ethnopharmacology, 2012, 140, 443-446.	4.1	3
43	Transcriptional microarray analysis reveals suppression of histamine signaling by Kujin alleviates allergic symptoms through down-regulation of FAT10 expression. International Immunopharmacology, 2011, 11, 1504-1509.	3.8	5
44	Albizia lebbeck suppresses histamine signaling by the inhibition of histamine H1 receptor and histidine decarboxylase gene transcriptions. International Immunopharmacology, 2011, 11, 1766-1772.	3.8	27
45	Deprivation of anticipated food under scheduled feeding induces c-Fos expression in the caudal part of the arcuate nucleus of hypothalamus through histamine H1 receptors in rats: Potential involvement of E3 subgroup of histaminergic neurons in tuberomammillary nucleus. Brain Research, 2011, 1387, 61-70.	2.2	18
46	Involvement of Protein Kinase CÎ´/Extracellular Signal-regulated Kinase/Poly(ADP-ribose) Polymerase-1 (PARP-1) Signaling Pathway in Histamine-induced Up-regulation of Histamine H1 Receptor Gene Expression in HeLa Cells. Journal of Biological Chemistry, 2011, 286, 30542-30551.	3.4	56
47	Interleukin-4 up-regulates histamine H1 receptors by activation of H1 receptor gene transcription. Naunyn-Schmiedeberg's Archives of Pharmacology, 2010, 381, 305-313.	3.0	18
48	Exclusive expression of c-Fos in the caudal part of the arcuate nucleus of hypothalamus; involvement of histaminergic neurons. Neuroscience Research, 2010, 68, e399.	1.9	0
49	Anti-allergic activity of standardized extract of<i>Albizia lebbeck</i>with reference to catechin as a phytomarker. Immunopharmacology and Immunotoxicology, 2010, 32, 272-276.	2.4	39
50	Potential ofBaliospermum montanumagainst compound 48/80-induced systemic anaphylaxis. Pharmaceutical Biology, 2010, 48, 1213-1217.	2.9	7
51	Histamine H1 Receptor Gene Expression Mechanism as a Novel Therapeutic Target of Allergy. , 2010, , 285-295.		0
52	Suplatast Tosilate Inhibits Histamine Signaling by Direct and Indirect Down-Regulation of Histamine H1 Receptor Gene Expression through Suppression of Histidine Decarboxylase and IL-4 Gene Transcriptions. Journal of Immunology, 2009, 183, 2133-2141.	0.8	36
53	Mast cell stabilization and antihistaminic potentials of Curculigo orchioides rhizomes. Journal of Ethnopharmacology, 2009, 126, 434-436.	4.1	32
54	Kujin Suppresses Histamine Signaling at the Transcriptional Level in Toluene 2,4-Diisocyanateâ€"Sensitized Rats. Journal of Pharmacological Sciences, 2009, 109, 606-617.	2.5	29

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55	Sho-seiryu-to Suppresses Histamine Signaling at the Transcriptional Level in TDI-Sensitized Nasal Allergy Model Rats. Allergology International, 2009, 58, 81-88.	3.3	32
56	Regulation of Nuclear Import/Export of Carbohydrate Response Element-binding Protein (ChREBP). Journal of Biological Chemistry, 2008, 283, 24899-24908.	3.4	87
57	Suppression of Histamine Signaling by Probiotic Lac-B: a Possible Mechanism of Its Anti-allergic Effect. Journal of Pharmacological Sciences, 2008, 107, 159-166.	2.5	36
58	Repeated Pre-treatment With Antihistamines Causes Transcriptional Up-regulations of Histamine H1 Receptor and Interleukin-4 Genes in Toluene-2,4-diisocyanateâ€"Sensitized Rats. Journal of Pharmacological Sciences, 2008, 108, 480-486.	2.5	45
59	Stimulation of Histamine H1 Receptor Up-Regulates Histamine H1 Receptor Itself Through Activation of Receptor Gene Transcription. Journal of Pharmacological Sciences, 2007, 103, 374-382.	2.5	76
60	Crystal Structures of Glutamine:Phenylpyruvate Aminotransferase from Thermus thermophilus HB8. Journal of Biological Chemistry, 2004, 279, 16518-16525.	3.4	26
61	Strain and catalysis in aspartate aminotransferase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1647, 103-109.	2.3	35
62	Characterization of histidinol phosphate aminotransferase from Escherichia coli. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1647, 321-324.	2.3	10
63	Crystal Structures of Threonine Synthase from Thermus thermophilus HB8. Journal of Biological Chemistry, 2003, 278, 46035-46045.	3.4	27
64	Conformational Change in Aspartate Aminotransferase on Substrate Binding Induces Strain in the Catalytic Group and Enhances Catalysis. Journal of Biological Chemistry, 2003, 278, 9481-9488.	3.4	30
65	Glutamine:phenylpyruvate Aminotransferase from an Extremely Thermophilic Bacterium, Thermus thermophilus HB8. Journal of Biochemistry, 2003, 134, 843-851.	1.7	23
66	Structure of Imidazole Glycerol Phosphate Synthase from Thermus thermophilus HB8: Open-Closed Conformational Change and Ammonia Tunneling. Journal of Biochemistry, 2002, 132, 759-765.	1.7	22
67	Strain Is More Important Than Electrostatic Interaction in Controlling the pKaof the Catalytic Group in Aspartate Aminotransferaseâ€,â€–. Biochemistry, 2001, 40, 353-360.	2.5	38
68	Structures ofEscherichia coliHistidinol-Phosphate Aminotransferase and Its Complexes with Histidinol-Phosphate andN-(5â€˜-Phosphopyridoxyl)-l-Glutamate:Â Double Substrate Recognition of the Enzymeâ€,â€¡. Biochemistry, 2001, 40, 4633-4644.	2.5	43
69	The Substrate Activation Process in the Catalytic Reaction ofEscherichia coliAromatic Amino Acid Aminotransferaseâ€. Biochemistry, 2000, 39, 15418-15428.	2.5	21
70	Crystal Structure of the H256A Mutant of Rat Testis Fructose-6-phosphate,2-kinase/Fructose-2,6-bisphosphatase. Journal of Biological Chemistry, 1999, 274, 2176-2184.	3.4	31
71	Reaction Mechanism of Fructose-2,6-bisphosphatase. Journal of Biological Chemistry, 1999, 274, 2166-2175.	3.4	38
72	Acidâˆ'Base Chemistry of the Reaction of Aromaticl-Amino Acid Decarboxylase and Dopa Analyzed by Transient and Steady-State Kinetics:Â Preferential Binding of the Substrate with Its Amino Group Unprotonatedâ€. Biochemistry, 1999, 38, 15615-15622.	2.5	31

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73	The Imineâˆ'Pyridine Torsion of the Pyridoxal 5â€˜-Phosphate Schiff Base of Aspartate Aminotransferase Lowers Its pKa in the Unliganded Enzyme and Is Crucial for the Successive Increase in the pKa during Catalysis. Biochemistry, 1999, 38, 854-854.	2.5	3
74	A Switch in the Kinase Domain of Rat Testis 6-Phosphofructo-2-kinase/Fructose-2,6-bisphosphataseâ€,â€¡. Biochemistry, 1999, 38, 12333-12342.	2.5	17
75	The Imineâˆ'Pyridine Torsion of the Pyridoxal 5â€˜-Phosphate Schiff Base of Aspartate Aminotransferase Lowers Its pKa in the Unliganded Enzyme and Is Crucial for the Successive Increase in the pKa during Catalysis. Biochemistry, 1998, 37, 15076-15085.	2.5	72
76	Site-Directed Mutants of Rat Testis Fructose 6-Phosphate, 2-Kinase/Fructose 2,6-Bisphosphatase:Â Localization of Conformational Alterations Induced by Ligand Bindingâ€. Biochemistry, 1998, 37, 14057-14064.	2.5	15
77	The Active Sites of Fructose 6-Phosphate,2-kinase: Fructose-2,6-bisphosphatase from Rat Testis. Journal of Biological Chemistry, 1997, 272, 7867-7872.	3.4	16
78	Chemical Mechanism of the Fructose-6-Phosphate,2-Kinase Reaction from the pH Dependence of Kinetic Parameters of Site-Directed Mutants of Active Site Basic Residuesâ€. Biochemistry, 1997, 36, 8775-8784.	2.5	15
79	Analysis of the Substrate-Recognition Mode of Aromatic Amino Acid Aminotransferase by Combined Use of Quasisubstrates and Site-Directed Mutagenesis:Â Systematic Hydroxy-Group Addition/Deletion Studies to Probe the Enzymeâˆ'Substrate Interactionsâ€. Biochemistry, 1996, 35, 6754-6761.	2.5	19
80	Rat liver aromatic L-amino acid decarboxylase: Spectroscopic and kinetic analysis of the coenzyme and reaction intermediates. Biochemistry, 1993, 32, 812-818.	2.5	82