Jong-Ik Hwang

List of Publications by Year
in descending order

87 papers	4,221 citations	182225 30 h-index	129628 63 g-index
90 all docs	90 docs citations	90 times ranked	6181 citing authors

#	Article	IF	Citations
1	SP-1154, a novel synthetic TGF-Î² inhibitor, alleviates obesity and hepatic steatosis in high-fat diet-induced mice. Biomedicine and Pharmacotherapy, 2022, 145, 112441.	2.5	4
2	Analysis of CCR2 splice variant expression patterns and functional properties. Cell and Bioscience, 2022, 12, 59.	2.1	6
3	Downregulation of dihydrolipoyl dehydrogenase by UVA suppresses melanoma progression via triggering oxidative stress and altering energy metabolism. Free Radical Biology and Medicine, 2021, 162, 77-87.	1.3	36
4	SP-8356, a (1S)-(-)-Verbenone Derivative, Inhibits the Growth and Motility of Liver Cancer Cells by Regulating NF-ÎºB and ERK Signaling. Biomolecules and Therapeutics, 2021, 29, 331-341.	1.1	5
5	Alterations in Dendritic Spine Maturation and Neurite Development Mediated by FAM19A1. Cells, 2021, 10, 1868.	1.8	0
6	Effect of chitinaseâ€3â€like protein 1 on glucose metabolism: In vitro skeletal muscle and human genetic association study. FASEB Journal, 2020, 34, 13445-13460.	0.2	5
7	CXCR7: a Î²-arrestin-biased receptor that potentiates cell migration and recruits Î²-arrestin2 exclusively through GÎ²Î³ subunits and GRK2. Cell and Bioscience, 2020, 10, 134.	2.1	37
8	The unique expression profile of FAM19A1 in the mouse brain and its association with hyperactivity, long-term memory and fear acquisition. Scientific Reports, 2020, 10, 3969.	1.6	10
9	Exploring the molecular structures that confer ligand selectivity for galanin type II and III receptors. PLoS ONE, 2020, 15, e0230872.	1.1	4
10	Establishment of a NanoBiT-Based Cytosolic Ca2+ Sensor by Optimizing Calmodulin-Binding Motif and Protein Expression Levels. Molecules and Cells, 2020, 43, 909-920.	1.0	16
11	Title is missing!. , 2020, 15, e0230872.		0
12	Title is missing!. , 2020, 15, e0230872.		0
13	Title is missing!. , 2020, 15, e0230872.		0
14	Title is missing!. , 2020, 15, e0230872.		0
15	A novel CD147 inhibitor, SP-8356, reduces neointimal hyperplasia and arterial stiffness in a rat model of partial carotid artery ligation. Journal of Translational Medicine, 2019, 17, 274.	1.8	17
16	FAM19A5 Expression During Embryogenesis and in the Adult Traumatic Brain of FAM19A5-LacZ Knock-in Mice. Frontiers in Neuroscience, 2019, 13, 917.	1.4	17
17	Spexin-Based Galanin Receptor Type 2 Agonist for Comorbid Mood Disorders and Abnormal Body Weight. Frontiers in Neuroscience, 2019, 13, 391.	1.4	35
18	SP-8356, a (1S)-(â€“)-verbenone derivative, exerts in vitro and in vivo anti-breast cancer effects by inhibiting NF-ÎºB signaling. Scientific Reports, 2019, 9, 6595.	1.6	17

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19	Monitoring GPCR-β-arrestin1/2 Interactions in Real Time Living Systems to Accelerate Drug Discovery. Journal of Visualized Experiments, 2019, , .	0.2	7
20	Nafamostat mesilate negatively regulates the metastasis of triple-negative breast cancer cells. Archives of Pharmacal Research, 2018, 41, 229-242.	2.7	17
21	Conformational signatures in Î²-arrestin2 reveal natural biased agonism at a G-protein-coupled receptor. Communications Biology, 2018, 1, 128.	2.0	50
22	Ninjurin1 Plays a Crucial Role in Pulmonary Fibrosis by Promoting Interaction between Macrophages and Alveolar Epithelial Cells. Scientific Reports, 2018, 8, 17542.	1.6	31
23	NME1L Negatively Regulates IGF1â€Dependent Proliferation of Breast Cancer Cells. Journal of Cellular Biochemistry, 2016, 117, 1454-1463.	1.2	4
24	Development of Spexin-based Human Galanin Receptor Type II-Specific Agonists with Increased Stability in Serum and Anxiolytic Effect in Mice. Scientific Reports, 2016, 6, 21453.	1.6	61
25	The accessory proteins REEP5 and REEP6 refine CXCR1-mediated cellular responses and lung cancer progression. Scientific Reports, 2016, 6, 39041.	1.6	19
26	Human antibody reactivity against xenogeneic Nâ€glycolylneuraminic acid and galactoseâ€Î±â€1,3â€galactose antigen. Xenotransplantation, 2016, 23, 279-292.	1.6	22
27	Ninjurin1 suppresses metastatic property of lung cancer cells through inhibition of interleukin 6 signaling pathway. International Journal of Cancer, 2016, 139, 383-395.	2.3	19
28	Beneficial effects of the transgenic expression of human sTNF-Î±R-Fc and HO-1 on pig-to-mouse islet xenograft survival. Transplant Immunology, 2016, 34, 25-32.	0.6	18
29	Ninjurin1 inhibits colitis-mediated colon cancer development and growth by suppression of macrophage infiltration through repression of FAK signaling. Oncotarget, 2016, 7, 29592-29604.	0.8	18
30	Characterization of Functional Domains in NME1L Regulation of NF-ÎºB Signaling. Molecules and Cells, 2016, 39, 403-409.	1.0	0
31	Human thrombomodulin regulates complement activation as well as the coagulation cascade in xenoâ€immune response. Xenotransplantation, 2015, 22, 260-272.	1.6	24
32	Ligand Binding Pocket Formed by Evolutionarily Conserved Residues in the Glucagon-like Peptide-1 (GLP-1) Receptor Core Domain. Journal of Biological Chemistry, 2015, 290, 5696-5706.	1.6	24
33	Dimer of arfaptin 2 regulates NF-ÎºB signaling by interacting with IKKÎ²/NEMO and inhibiting IKKÎ² kinase activity. Cellular Signalling, 2015, 27, 2173-2181.	1.7	5
34	Prevertebrate Local Gene Duplication Facilitated Expansion of the Neuropeptide GPCR Superfamily. Molecular Biology and Evolution, 2015, 32, 2803-2817.	3.5	54
35	A Novel Long-Acting Glucagon-Like Peptide-1 Agonist with Improved Efficacy in Insulin Secretion and Î²-Cell Growth. Endocrinology and Metabolism, 2014, 29, 320.	1.3	11
36	Does Kisspeptin Belong to the Proposed RF-Amide Peptide Family?. Frontiers in Endocrinology, 2014, 5, 134.	1.5	25

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37	A Splicing Variant of NME1 Negatively Regulates NF-Î³B Signaling and Inhibits Cancer Metastasis by Interacting with IKKÎ². Journal of Biological Chemistry, 2014, 289, 17709-17720.	1.6	21
38	Coevolution of the Spexin/Galanin/Kisspeptin Family: Spexin Activates Galanin Receptor Type II and III. Endocrinology, 2014, 155, 1864-1873.	1.4	172
39	MOLECULAR EVOLUTION OF GPCRS: GLP1/GLP1 receptors. Journal of Molecular Endocrinology, 2014, 52, T15-T27.	1.1	18
40	Local Duplication of Gonadotropin-Releasing Hormone (GnRH) Receptor before Two Rounds of Whole Genome Duplication and Origin of the Mammalian GnRH Receptor. PLoS ONE, 2014, 9, e87901.	1.1	25
41	Apoptotic Death of Prostate Cancer Cells by a Gonadotropin-Releasing Hormone-II Antagonist. PLoS ONE, 2014, 9, e99723.	1.1	9
42	CXCL14 enhances proliferation and migration of NCIâ€H460 human lung cancer cells overexpressing the glycoproteins containing heparan sulfate or sialic acid. Journal of Cellular Biochemistry, 2013, 114, 1084-1096.	1.2	19
43	Heme oxygenase-1 attenuates epithelial-to-mesenchymal transition of human peritoneal mesothelial cells. Clinical and Experimental Nephrology, 2013, 17, 284-293.	0.7	5
44	Expansion of Secretin-Like G Protein-Coupled Receptors and Their Peptide Ligands via Local Duplications Before and After Two Rounds of Whole-Genome Duplication. Molecular Biology and Evolution, 2013, 30, 1119-1130.	3.5	61
45	A Novel Glucagon-Related Peptide (GCRP) and Its Receptor GCRPR Account for Coevolution of Their Family Members in Vertebrates. PLoS ONE, 2013, 8, e65420.	1.1	28
46	Expression Analysis of Combinatorial Genes Using a Bi-Cistronic T2A Expression System in Porcine Fibroblasts. PLoS ONE, 2013, 8, e70486.	1.1	14
47	Structural and Molecular Conservation of Glucagon-Like Peptide-1 and Its Receptor Confers Selective Ligand-Receptor Interaction. Frontiers in Endocrinology, 2012, 3, 141.	1.5	31
48	Spatiotemporal Expression and Functional Implication of CXCL14 in the Developing Mice Cerebellum. Molecules and Cells, 2012, 34, 289-294.	1.0	12
49	Evolutionarily Conserved Residues at Glucagon-like Peptide-1 (GLP-1) Receptor Core Confer Ligand-induced Receptor Activation. Journal of Biological Chemistry, 2012, 287, 3873-3884.	1.6	20
50	Anti-Cancer Activity of a Novel Small Molecule Compound That Simultaneously Activates p53 and Inhibits NF-ÎºB Signaling. PLoS ONE, 2012, 7, e44259.	1.1	13
51	Generation and Characterization of Human Heme Oxygenase-1 Transgenic Pigs. PLoS ONE, 2012, 7, e46646.	1.1	60
52	Molecular Coevolution of Neuropeptides Gonadotropin-Releasing Hormone and Kisspeptin with their Cognate G Protein-Coupled Receptors. Frontiers in Neuroscience, 2012, 6, 3.	1.4	40
53	Adenovirus-mediated heme oxygenase-1 gene transfer to neonatal porcine islet-like cluster cells: the effects on gene expression and protection from cell stress. Biochip Journal, 2012, 6, 56-64.	2.5	1
54	Generation of Soluble Human Tumor Necrosis Factor-Î± Receptor 1-Fc Transgenic Pig. Transplantation, 2011, 92, 139-147.	0.5	25

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55	Revisiting the evolution of gonadotropin-releasing hormones and their receptors in vertebrates: Secrets hidden in genomes. General and Comparative Endocrinology, 2011, 170, 68-78.	0.8	110
56	Insulin Contributes to Fine-Tuning of the Pancreatic Beta-Cell Response to Glucagon-Like Peptide-1. Molecules and Cells, 2011, 32, 389-396.	1.0	10
57	Tyr1 and Ile7 of Glucose-Dependent Insulinotropic Polypeptide (GIP) Confer Differential Ligand Selectivity toward GIP and Glucagon-like Peptide-1 Receptors. Molecules and Cells, 2010, 30, 149-154.	1.0	18
58	Regulation of IÎºB Kinase by GÎ²L through Recruitment of the Protein Phosphatases. Molecules and Cells, 2010, 30, 527-532.	1.0	16
59	Splicing variants of the orphan G-protein-coupled receptor GPR56 regulate the activity of transcription factors associated with tumorigenesis. Journal of Cancer Research and Clinical Oncology, 2010, 136, 47-53.	1.2	37
60	Suppression of NF-Îº B signaling by KEAP1 regulation of IKKÎ² activity through autophagic degradation and inhibition of phosphorylation. Cellular Signalling, 2010, 22, 1645-1654.	1.7	185
61	Molecular coevolution of kisspeptins and their receptors from fish to mammals. Annals of the New York Academy of Sciences, 2010, 1200, 67-74.	1.8	74
62	Intermolecular cross-talk between NTR1 and NTR2 neurotensin receptor promotes intracellular sequestration and functional inhibition of NTR1 receptors. Biochemical and Biophysical Research Communications, 2010, 391, 1007-1013.	1.0	22
63	A Gonadotropin-Releasing Hormone-II Antagonist Induces Autophagy of Prostate Cancer Cells. Cancer Research, 2009, 69, 923-931.	0.4	46
64	Lysophosphatidic acid signaling through LPA receptor subtype 1 induces colony scattering of gastrointestinal cancer cells. Journal of Cancer Research and Clinical Oncology, 2009, 135, 45-52.	1.2	16
65	Phylogenetic History, Pharmacological Features, and Signal Transduction of Neurotensin Receptors in Vertebrates. Annals of the New York Academy of Sciences, 2009, 1163, 169-178.	1.8	22
66	Molecular Evolution of Multiple Forms of Kisspeptins and GPR54 Receptors in Vertebrates. Endocrinology, 2009, 150, 2837-2846.	1.4	213
67	Impact of Polymorphisms of TLR4/CD14 and TLR3 on Acute Rejection in Kidney Transplantation. Transplantation, 2009, 88, 699-705.	0.5	37
68	Extracellular loop 3 (ECL3) and ECL3-proximal transmembrane domains VI and VII of the mesotocin and vasotocin receptors confer differential ligand selectivity and signaling activity. General and Comparative Endocrinology, 2008, 156, 71-82.	0.8	4
69	GÎ²L regulates TNFÎ±-induced NF-ÐºB signaling by directly inhibiting the activation of IÐºB kinase. Cellular Signalling, 2008, 20, 2127-2133.	1.7	8
70	Identification of Farnesyl Pyrophosphate and N-Arachidonylglycine as Endogenous Ligands for GPR92. Journal of Biological Chemistry, 2008, 283, 21054-21064.	1.6	120
71	Gene expression profiling of light-induced retinal degeneration in phototransduction gene knockout mice. Experimental and Molecular Medicine, 2008, 40, 495.	3.2	10
72	Hydrogen Peroxide-Induced VCAM-1 Expression in Pancreatic Islets and Î²-Cells Through Extracellular Ca2+ Influx. Transplantation, 2008, 86, 1257-1266.	0.5	11

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73	Role of GÎ± 12 and GÎ± 13 as Novel Switches for the Activity of Nrf2, a Key Antioxidative Transcription Factor. Molecular and Cellular Biology, 2007, 27, 6195-6208.	1.1	45
74	Cloning and activation of the bullfrog apelin receptor: Gi/o coupling and high affinity for [Pro1]apelin-13. Molecular and Cellular Endocrinology, 2007, 277, 51-60.	1.6	18
75	Identification of small molecule antagonists of the human mas-related gene-X1 receptor. Analytical Biochemistry, 2006, 351, 50-61.	1.1	30
76	A single lentiviral vector platform for microRNA-based conditional RNA interference and coordinated transgene expression. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13759-13764.	3.3	306
77	Molecular cloning and characterization of a novel phospholipase C, PLC-Î·. Biochemical Journal, 2005, 389, 181-186.	1.7	123
78	The Interaction of Phospholipase C-Î²3 with Shank2 Regulates mGluR-mediated Calcium Signal. Journal of Biological Chemistry, 2005, 280, 12467-12473.	1.6	74
79	Silencing the expression of multiple GÂ-subunits eliminates signaling mediated by all four families of G proteins. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9493-9498.	3.3	42
80	Analysis of C5a-mediated chemotaxis by lentiviral delivery of small interfering RNA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 488-493.	3.3	53
81	NHERF2 Specifically Interacts with LPA 2 Receptor and Defines the Specificity and Efficiency of Receptor-Mediated Phospholipase C-Î²3 Activation. Molecular and Cellular Biology, 2004, 24, 5069-5079.	1.1	85
82	Orphan G protein-coupled receptors MrgA1 and MrgC11 are distinctively activated by RF-amide-related peptides through the GÂq/11 pathway. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14740-14745.	3.3	152
83	The Roles of PDZ-Containing Proteins in PLC-Î²-Mediated Signaling. Biochemical and Biophysical Research Communications, 2001, 288, 1-7.	1.0	76
84	An Anti-apoptotic Protein Human Survivin Is a Direct Inhibitor of Caspase-3 and -7â€. Biochemistry, 2001, 40, 1117-1123.	1.2	648
85	Regulation of Phospholipase C-Î²3 Activity by Na+/H+ Exchanger Regulatory Factor 2. Journal of Biological Chemistry, 2000, 275, 16632-16637.	1.6	86
86	Direct Interaction of SOS1 Ras Exchange Protein with the SH3 Domain of Phospholipase C-Î³1â€. Biochemistry, 2000, 39, 8674-8682.	1.2	58
87	Characterization of the Shank Family of Synaptic Proteins. Journal of Biological Chemistry, 1999, 274, 29510-29518.	1.6	270