

# Jong-Ik Hwang

## List of Publications by Year in descending order

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87  
papers

4,221  
citations

159585

30  
h-index

114465

63  
g-index

90  
all docs

90  
docs citations

90  
times ranked

5615  
citing authors

#	ARTICLE	IF	CITATIONS
1	SP-1154, a novel synthetic TGF- $\beta$ 2 inhibitor, alleviates obesity and hepatic steatosis in high-fat diet-induced mice. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112441.	5.6	4
2	Analysis of CCR2 splice variant expression patterns and functional properties. <i>Cell and Bioscience</i> , 2022, 12, 59.	4.8	6
3	Downregulation of dihydrolipoyl dehydrogenase by UVA suppresses melanoma progression via triggering oxidative stress and altering energy metabolism. <i>Free Radical Biology and Medicine</i> , 2021, 162, 77-87.	2.9	36
4	SP-8356, a (1S)-(-)-Verbenone Derivative, Inhibits the Growth and Motility of Liver Cancer Cells by Regulating NF- $\kappa$ B and ERK Signaling. <i>Biomolecules and Therapeutics</i> , 2021, 29, 331-341.	2.4	5
5	Alterations in Dendritic Spine Maturation and Neurite Development Mediated by FAM19A1. <i>Cells</i> , 2021, 10, 1868.	4.1	0
6	Effect of chitinase-3-like protein 1 on glucose metabolism: In vitro skeletal muscle and human genetic association study. <i>FASEB Journal</i> , 2020, 34, 13445-13460.	0.5	5
7	CXCR7: a $\beta$ 2-arrestin-biased receptor that potentiates cell migration and recruits $\beta$ 2-arrestin2 exclusively through G $\beta$ 13 subunits and GRK2. <i>Cell and Bioscience</i> , 2020, 10, 134.	4.8	37
8	The unique expression profile of FAM19A1 in the mouse brain and its association with hyperactivity, long-term memory and fear acquisition. <i>Scientific Reports</i> , 2020, 10, 3969.	3.3	10
9	Exploring the molecular structures that confer ligand selectivity for galanin type II and III receptors. <i>PLoS ONE</i> , 2020, 15, e0230872.	2.5	4
10	Establishment of a NanoBIT-Based Cytosolic Ca <sup>2+</sup> Sensor by Optimizing Calmodulin-Binding Motif and Protein Expression Levels. <i>Molecules and Cells</i> , 2020, 43, 909-920.	2.6	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. <i>Journal of Translational Medicine</i> , 2019, 17, 274.	4.4	17
16	FAM19A5 Expression During Embryogenesis and in the Adult Traumatic Brain of FAM19A5-LacZ Knock-in Mice. <i>Frontiers in Neuroscience</i> , 2019, 13, 917.	2.8	17
17	Spexin-Based Galanin Receptor Type 2 Agonist for Comorbid Mood Disorders and Abnormal Body Weight. <i>Frontiers in Neuroscience</i> , 2019, 13, 391.	2.8	35
18	SP-8356, a (1S)-(-)-verbenone derivative, exerts in vitro and in vivo anti-breast cancer effects by inhibiting NF- $\kappa$ B signaling. <i>Scientific Reports</i> , 2019, 9, 6595.	3.3	17

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19	Monitoring GPCR- $\beta$ -arrestin1/2 Interactions in Real Time Living Systems to Accelerate Drug Discovery. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	7
20	Nafamostat mesilate negatively regulates the metastasis of triple-negative breast cancer cells. <i>Archives of Pharmacal Research</i> , 2018, 41, 229-242.	6.3	17
21	Conformational signatures in $\beta$ -arrestin2 reveal natural biased agonism at a G-protein-coupled receptor. <i>Communications Biology</i> , 2018, 1, 128.	4.4	50
22	Ninjurin1 Plays a Crucial Role in Pulmonary Fibrosis by Promoting Interaction between Macrophages and Alveolar Epithelial Cells. <i>Scientific Reports</i> , 2018, 8, 17542.	3.3	31
23	NME1L Negatively Regulates IGF1-Dependent Proliferation of Breast Cancer Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1454-1463.	2.6	4
24	Development of Spexin-based Human Galanin Receptor Type II-Specific Agonists with Increased Stability in Serum and Anxiolytic Effect in Mice. <i>Scientific Reports</i> , 2016, 6, 21453.	3.3	61
25	The accessory proteins REEP5 and REEP6 refine CXCR1-mediated cellular responses and lung cancer progression. <i>Scientific Reports</i> , 2016, 6, 39041.	3.3	19
26	Human antibody reactivity against xenogeneic $\alpha$ -glycolylneuraminic acid and galactose-1,3-galactose antigen. <i>Xenotransplantation</i> , 2016, 23, 279-292.	2.8	22
27	Ninjurin1 suppresses metastatic property of lung cancer cells through inhibition of interleukin 6 signaling pathway. <i>International Journal of Cancer</i> , 2016, 139, 383-395.	5.1	19
28	Beneficial effects of the transgenic expression of human sTNF- $\alpha$ -R-Fc and HO-1 on pig-to-mouse islet xenograft survival. <i>Transplant Immunology</i> , 2016, 34, 25-32.	1.2	18
29	Ninjurin1 inhibits colitis-mediated colon cancer development and growth by suppression of macrophage infiltration through repression of FAK signaling. <i>Oncotarget</i> , 2016, 7, 29592-29604.	1.8	18
30	Characterization of Functional Domains in NME1L Regulation of NF- $\kappa$ B Signaling. <i>Molecules and Cells</i> , 2016, 39, 403-409.	2.6	0
31	Human thrombomodulin regulates complement activation as well as the coagulation cascade in xenotransplantation immune response. <i>Xenotransplantation</i> , 2015, 22, 260-272.	2.8	24
32	Ligand Binding Pocket Formed by Evolutionarily Conserved Residues in the Glucagon-like Peptide-1 (GLP-1) Receptor Core Domain. <i>Journal of Biological Chemistry</i> , 2015, 290, 5696-5706.	3.4	24
33	Dimer of arfaptin 2 regulates NF- $\kappa$ B signaling by interacting with IKK $\beta$ /NEMO and inhibiting IKK $\beta$ kinase activity. <i>Cellular Signalling</i> , 2015, 27, 2173-2181.	3.6	5
34	Prevertebrate Local Gene Duplication Facilitated Expansion of the Neuropeptide GPCR Superfamily. <i>Molecular Biology and Evolution</i> , 2015, 32, 2803-2817.	8.9	54
35	A Novel Long-Acting Glucagon-Like Peptide-1 Agonist with Improved Efficacy in Insulin Secretion and $\beta$ -Cell Growth. <i>Endocrinology and Metabolism</i> , 2014, 29, 320.	3.0	11
36	Does Kisspeptin Belong to the Proposed RF-Amide Peptide Family?. <i>Frontiers in Endocrinology</i> , 2014, 5, 134.	3.5	25

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37	A Splicing Variant of NME1 Negatively Regulates NF- $\kappa$ B Signaling and Inhibits Cancer Metastasis by Interacting with IKK1 <sup>2</sup> . <i>Journal of Biological Chemistry</i> , 2014, 289, 17709-17720.	3.4	21
38	Coevolution of the Spexin/Galanin/Kisspeptin Family: Spexin Activates Galanin Receptor Type II and III. <i>Endocrinology</i> , 2014, 155, 1864-1873.	2.8	172
39	MOLECULAR EVOLUTION OF GPCRS: GLP1/GLP1 receptors. <i>Journal of Molecular Endocrinology</i> , 2014, 52, T15-T27.	2.5	18
40	Local Duplication of Gonadotropin-Releasing Hormone (GnRH) Receptor before Two Rounds of Whole Genome Duplication and Origin of the Mammalian GnRH Receptor. <i>PLoS ONE</i> , 2014, 9, e87901.	2.5	25
41	Apoptotic Death of Prostate Cancer Cells by a Gonadotropin-Releasing Hormone-II Antagonist. <i>PLoS ONE</i> , 2014, 9, e99723.	2.5	9
42	CXCL14 enhances proliferation and migration of NCI-H460 human lung cancer cells overexpressing the glycoproteins containing heparan sulfate or sialic acid. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 1084-1096.	2.6	19
43	Heme oxygenase-1 attenuates epithelial-to-mesenchymal transition of human peritoneal mesothelial cells. <i>Clinical and Experimental Nephrology</i> , 2013, 17, 284-293.	1.6	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. <i>Molecular Biology and Evolution</i> , 2013, 30, 1119-1130.	8.9	61
45	A Novel Glucagon-Related Peptide (GCRP) and Its Receptor GCRPR Account for Coevolution of Their Family Members in Vertebrates. <i>PLoS ONE</i> , 2013, 8, e65420.	2.5	28
46	Expression Analysis of Combinatorial Genes Using a Bi-Cistronic T2A Expression System in Porcine Fibroblasts. <i>PLoS ONE</i> , 2013, 8, e70486.	2.5	14
47	Structural and Molecular Conservation of Glucagon-Like Peptide-1 and Its Receptor Confers Selective Ligand-Receptor Interaction. <i>Frontiers in Endocrinology</i> , 2012, 3, 141.	3.5	31
48	Spatiotemporal Expression and Functional Implication of CXCL14 in the Developing Mice Cerebellum. <i>Molecules and Cells</i> , 2012, 34, 289-294.	2.6	12
49	Evolutionarily Conserved Residues at Glucagon-like Peptide-1 (GLP-1) Receptor Core Confer Ligand-induced Receptor Activation. <i>Journal of Biological Chemistry</i> , 2012, 287, 3873-3884.	3.4	20
50	Anti-Cancer Activity of a Novel Small Molecule Compound That Simultaneously Activates p53 and Inhibits NF- $\kappa$ B Signaling. <i>PLoS ONE</i> , 2012, 7, e44259.	2.5	13
51	Generation and Characterization of Human Heme Oxygenase-1 Transgenic Pigs. <i>PLoS ONE</i> , 2012, 7, e46646.	2.5	60
52	Molecular Coevolution of Neuropeptides Gonadotropin-Releasing Hormone and Kisspeptin with their Cognate G Protein-Coupled Receptors. <i>Frontiers in Neuroscience</i> , 2012, 6, 3.	2.8	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. <i>Biochip Journal</i> , 2012, 6, 56-64.	4.9	1
54	Generation of Soluble Human Tumor Necrosis Factor- $\alpha$ Receptor 1-Fc Transgenic Pig. <i>Transplantation</i> , 2011, 92, 139-147.	1.0	25

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55	Revisiting the evolution of gonadotropin-releasing hormones and their receptors in vertebrates: Secrets hidden in genomes. <i>General and Comparative Endocrinology</i> , 2011, 170, 68-78.	1.8	110
56	Insulin Contributes to Fine-Tuning of the Pancreatic Beta-Cell Response to Glucagon-Like Peptide-1. <i>Molecules and Cells</i> , 2011, 32, 389-396.	2.6	10
57	Tyr1 and Ile7 of Glucose-Dependent Insulinotropic Polypeptide (GIP) Confer Differential Ligand Selectivity toward GIP and Glucagon-like Peptide-1 Receptors. <i>Molecules and Cells</i> , 2010, 30, 149-154.	2.6	18
58	Regulation of I $\kappa$ B Kinase by G $\beta$ L through Recruitment of the Protein Phosphatases. <i>Molecules and Cells</i> , 2010, 30, 527-532.	2.6	16
59	Splicing variants of the orphan G-protein-coupled receptor GPR56 regulate the activity of transcription factors associated with tumorigenesis. <i>Journal of Cancer Research and Clinical Oncology</i> , 2010, 136, 47-53.	2.5	37
60	Suppression of NF- $\kappa$ B signaling by KEAP1 regulation of IKK $\beta$ activity through autophagic degradation and inhibition of phosphorylation. <i>Cellular Signalling</i> , 2010, 22, 1645-1654.	3.6	185
61	Molecular coevolution of kisspeptins and their receptors from fish to mammals. <i>Annals of the New York Academy of Sciences</i> , 2010, 1200, 67-74.	3.8	74
62	Intermolecular cross-talk between NTR1 and NTR2 neurotensin receptor promotes intracellular sequestration and functional inhibition of NTR1 receptors. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1007-1013.	2.1	22
63	A Gonadotropin-Releasing Hormone-II Antagonist Induces Autophagy of Prostate Cancer Cells. <i>Cancer Research</i> , 2009, 69, 923-931.	0.9	46
64	Lysophosphatidic acid signaling through LPA receptor subtype 1 induces colony scattering of gastrointestinal cancer cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2009, 135, 45-52.	2.5	16
65	Phylogenetic History, Pharmacological Features, and Signal Transduction of Neurotensin Receptors in Vertebrates. <i>Annals of the New York Academy of Sciences</i> , 2009, 1163, 169-178.	3.8	22
66	Molecular Evolution of Multiple Forms of Kisspeptins and GPR54 Receptors in Vertebrates. <i>Endocrinology</i> , 2009, 150, 2837-2846.	2.8	213
67	Impact of Polymorphisms of TLR4/CD14 and TLR3 on Acute Rejection in Kidney Transplantation. <i>Transplantation</i> , 2009, 88, 699-705.	1.0	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. <i>General and Comparative Endocrinology</i> , 2008, 156, 71-82.	1.8	4
69	G $\beta$ L regulates TNF $\alpha$ -induced NF- $\kappa$ B signaling by directly inhibiting the activation of I $\kappa$ B kinase. <i>Cellular Signalling</i> , 2008, 20, 2127-2133.	3.6	8
70	Identification of Farnesyl Pyrophosphate and N-Arachidonylglycine as Endogenous Ligands for GPR92. <i>Journal of Biological Chemistry</i> , 2008, 283, 21054-21064.	3.4	120
71	Gene expression profiling of light-induced retinal degeneration in phototransduction gene knockout mice. <i>Experimental and Molecular Medicine</i> , 2008, 40, 495.	7.7	10
72	Hydrogen Peroxide-Induced VCAM-1 Expression in Pancreatic Islets and $\beta$ -Cells Through Extracellular Ca $^{2+}$ Influx. <i>Transplantation</i> , 2008, 86, 1257-1266.	1.0	11

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73	Role of G $\beta$ 12 and G $\beta$ 13 as Novel Switches for the Activity of Nrf2, a Key Antioxidative Transcription Factor. <i>Molecular and Cellular Biology</i> , 2007, 27, 6195-6208.	2.3	45
74	Cloning and activation of the bullfrog apelin receptor: Gi/o coupling and high affinity for [Pro1]apelin-13. <i>Molecular and Cellular Endocrinology</i> , 2007, 277, 51-60.	3.2	18
75	Identification of small molecule antagonists of the human mas-related gene-X1 receptor. <i>Analytical Biochemistry</i> , 2006, 351, 50-61.	2.4	30
76	A single lentiviral vector platform for microRNA-based conditional RNA interference and coordinated transgene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13759-13764.	7.1	306
77	Molecular cloning and characterization of a novel phospholipase C, PLC- $\delta$ . <i>Biochemical Journal</i> , 2005, 389, 181-186.	3.7	123
78	The Interaction of Phospholipase C- $\delta$ 3 with Shank2 Regulates mGluR-mediated Calcium Signal. <i>Journal of Biological Chemistry</i> , 2005, 280, 12467-12473.	3.4	74
79	Silencing the expression of multiple G $\alpha$ -subunits eliminates signaling mediated by all four families of G proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9493-9498.	7.1	42
80	Analysis of C5a-mediated chemotaxis by lentiviral delivery of small interfering RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 488-493.	7.1	53
81	NHERF2 Specifically Interacts with LPA 2 Receptor and Defines the Specificity and Efficiency of Receptor-Mediated Phospholipase C- $\delta$ 3 Activation. <i>Molecular and Cellular Biology</i> , 2004, 24, 5069-5079.	2.3	85
82	Orphan G protein-coupled receptors MrgA1 and MrgC11 are distinctively activated by RF-amide-related peptides through the G $\alpha$ q/11 pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14740-14745.	7.1	152
83	The Roles of PDZ-Containing Proteins in PLC- $\delta$ 2-Mediated Signaling. <i>Biochemical and Biophysical Research Communications</i> , 2001, 288, 1-7.	2.1	76
84	An Anti-apoptotic Protein Human Survivin Is a Direct Inhibitor of Caspase-3 and -7. <i>Biochemistry</i> , 2001, 40, 1117-1123.	2.5	648
85	Regulation of Phospholipase C- $\delta$ 3 Activity by Na <sup>+</sup> /H <sup>+</sup> Exchanger Regulatory Factor 2. <i>Journal of Biological Chemistry</i> , 2000, 275, 16632-16637.	3.4	86
86	Direct Interaction of SOS1 Ras Exchange Protein with the SH3 Domain of Phospholipase C- $\delta$ 3. <i>Biochemistry</i> , 2000, 39, 8674-8682.	2.5	58
87	Characterization of the Shank Family of Synaptic Proteins. <i>Journal of Biological Chemistry</i> , 1999, 274, 29510-29518.	3.4	270