

Chul Hoon Kim

List of Publications by Year in descending order

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97
papers

4,430
citations

147566

31
h-index

114278

63
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99
all docs

99
docs citations

99
times ranked

7515
citing authors

#	ARTICLE	IF	CITATIONS
1	NeuroTrace 500/525 identifies human induced pluripotent stem cell-derived brain pericyte-like cells. <i>Molecular Brain</i> , 2022, 15, 11.	1.3	2
2	Cancer-initiating cells in human pancreatic cancer organoids are maintained by interactions with endothelial cells. <i>Cancer Letters</i> , 2021, 498, 42-53.	3.2	27
3	Targeted temperature management at 33°C or 36°C induces equivalent myocardial protection by inhibiting HMGB1 release in myocardial ischemia/reperfusion injury. <i>PLoS ONE</i> , 2021, 16, e0246066.	1.1	5
4	Dysfunction of NMDA receptors in neuronal models of an autism spectrum disorder patient with a DSCAM mutation and in Dscam-knockout mice. <i>Molecular Psychiatry</i> , 2021, 26, 7538-7549.	4.1	9
5	Distinct roles of stereociliary links in the nonlinear sound processing and noise resistance of cochlear outer hair cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11109-11117.	3.3	15
6	Neural regulation of energy and bone homeostasis by the synaptic adhesion molecule Calsyntenin-3. <i>Experimental and Molecular Medicine</i> , 2020, 52, 793-803.	3.2	9
7	Clozapine generates obsessive compulsive disorder-like behavior in mice. <i>Molecular Brain</i> , 2020, 13, 84.	1.3	9
8	Maladaptive Alterations of Defensive Response Following Developmental Complex Stress in Rats. <i>Clinical Psychopharmacology and Neuroscience</i> , 2020, 18, 412-422.	0.9	2
9	Hyperpolarized [1-13C]lactate flux increased in the hippocampal region in diabetic mice. <i>Molecular Brain</i> , 2019, 12, 88.	1.3	15
10	Assessment of mGluR5 KO mice under conditions of low stress using a rodent touchscreen apparatus reveals impaired behavioural flexibility driven by perseverative responses. <i>Molecular Brain</i> , 2019, 12, 37.	1.3	22
11	Autism-like behaviors in male mice with a Pcdh19 deletion. <i>Molecular Brain</i> , 2019, 12, 95.	1.3	16
12	Assessment of behavioral flexibility of mGluR5 KO mice using a touchscreen cognitive test platform. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019, 92, JKL-01.	0.0	0
13	Targeted Temperature Management at 33°C or 36°C Produces Equivalent Neuroprotective Effects in the Middle Cerebral Artery Occlusion Rat Model of Ischemic Stroke. <i>Shock</i> , 2018, 50, 714-719.	1.0	9
14	A β pathology downregulates brain mGluR5 density in a mouse model of Alzheimer. <i>Neuropharmacology</i> , 2018, 133, 512-517.	2.0	25
15	Differential mGluR5 expression in response to the same stress causes individually adapted hippocampal network activity. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1305-1311.	1.0	6
16	Three-dimensional Cardiomyocytes Structure Revealed By Diffusion Tensor Imaging and Its Validation Using a Tissue-Clearing Technique. <i>Scientific Reports</i> , 2018, 8, 6640.	1.6	22
17	Hyperpolarized [1-13C] pyruvate MR spectroscopy detect altered glycolysis in the brain of a cognitively impaired mouse model fed high-fat diet. <i>Molecular Brain</i> , 2018, 11, 74.	1.3	15
18	Time-Lapse Live-Cell Imaging Reveals Dual Function of Oseg4, WDR35, in Ciliary Protein Trafficking. <i>Molecules and Cells</i> , 2018, 41, 676-683.	1.0	4

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19	Tubby domain superfamily protein is required for the formation of the 7S SNARE complex in <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 814-820.	1.0	3
20	Suppression of AIMP1 protects cognition in Alzheimer's disease model mice 3xTg-AD. <i>NeuroReport</i> , 2017, 28, 82-86.	0.6	4
21	Glutamatergic stimulation of the left dentate gyrus abolishes depressive-like behaviors in a rat learned helplessness paradigm. <i>NeuroImage</i> , 2017, 159, 207-213.	2.1	3
22	Changes in brain metabolic connectivity underlie autistic-like social deficits in a rat model of autism spectrum disorder. <i>Scientific Reports</i> , 2017, 7, 13213.	1.6	30
23	Oxytocin receptor gene polymorphisms exert a modulating effect on the onset age in patients with obsessive-compulsive disorder. <i>Psychoneuroendocrinology</i> , 2017, 86, 45-52.	1.3	15
24	NLRP3 Inflammasome Contributes to Lipopolysaccharide-induced Depressive-Like Behaviors via Indoleamine 2,3-dioxygenase Induction. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 896-906.	1.0	45
25	Optimizing reproducibility of operant testing through reinforcer standardization: identification of key nutritional constituents determining reward strength in touchscreens. <i>Molecular Brain</i> , 2017, 10, 31.	1.3	23
26	A genetic variant in GLP1R is associated with response to DPP-4 inhibitors in patients with type 2 diabetes. <i>Medicine (United States)</i> , 2016, 95, e5155.	0.4	33
27	Environmental enrichment enhances synaptic plasticity by internalization of striatal dopamine transporters. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 2122-2133.	2.4	31
28	Hypothermia inhibits the propagation of acute ischemic injury by inhibiting HMGB1. <i>Molecular Brain</i> , 2016, 9, 81.	1.3	20
29	Pore dilatation increases the bicarbonate permeability of CFTR, ANO1 and glycine receptor anion channels. <i>Journal of Physiology</i> , 2016, 594, 2929-2955.	1.3	30
30	Blunted response of hippocampal AMPK associated with reduced neurogenesis in older versus younger mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 71, 57-65.	2.5	12
31	P-Glycoprotein, not BCRP, Limits the Brain Uptake of [18F]Mefway in Rodent Brain. <i>Molecular Imaging and Biology</i> , 2016, 18, 267-273.	1.3	5
32	Overexpression of SOX2 Is Associated with Better Overall Survival in Squamous Cell Lung Cancer Patients Treated with Adjuvant Radiotherapy. <i>Cancer Research and Treatment</i> , 2016, 48, 473-482.	1.3	10
33	Relationship between dopamine deficit and the expression of depressive behavior resulted from alteration of serotonin system. <i>Synapse</i> , 2015, 69, 453-460.	0.6	24
34	mGluR5 in the nucleus accumbens is critical for promoting resilience to chronic stress. <i>Nature Neuroscience</i> , 2015, 18, 1017-1024.	7.1	109
35	Functional cortical neurons and astrocytes from human pluripotent stem cells in 3D culture. <i>Nature Methods</i> , 2015, 12, 671-678.	9.0	1,220
36	Ciliary Phosphoinositide Regulates Ciliary Protein Trafficking in <i>Drosophila</i> . <i>Cell Reports</i> , 2015, 13, 2808-2816.	2.9	35

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37	[¹⁸ F]FPEB and [¹⁸ F]FDEGPECO comparative study of mGlu5 quantification in rodent brain. Applied Radiation and Isotopes, 2015, 98, 103-107.	0.7	4
38	The antibody atliximab attenuates collagen-induced arthritis by neutralizing AIMP1, an inflammatory cytokine that enhances osteoclastogenesis. Biomaterials, 2015, 44, 45-54.	5.7	16
39	Chronic HMGR/HMG-CoA reductase inhibitor treatment contributes to dysglycemia by upregulating hepatic gluconeogenesis through autophagy induction. Autophagy, 2015, 11, 2089-2101.	4.3	47
40	GPR30 mediates anorectic estrogen-induced STAT3 signaling in the hypothalamus. Metabolism: Clinical and Experimental, 2014, 63, 1455-1461.	1.5	21
41	Acute physical stress induces the alteration of the serotonin 1A receptor density in the hippocampus. Synapse, 2014, 68, 363-368.	0.6	12
42	Translational possibility of [¹⁸ F]Mefway to image serotonin 1A receptors in humans: Comparison with [¹⁸ F]FCWAY in rodents. Synapse, 2014, 68, 595-603.	0.6	3
43	Dopaminergic neuron destruction reduces hippocampal serotonin 1A receptor uptake of trans-[¹⁸ F]Mefway. Applied Radiation and Isotopes, 2014, 94, 30-34.	0.7	4
44	Estrogen-related genome-based expression profiling study of uterosacral ligaments in women with pelvic organ prolapse. International Urogynecology Journal, 2013, 24, 1961-1967.	0.7	12
45	Alteration of Synaptic Activityâ€“Regulating Genes Underlying Functional Improvement by Long-term Exposure to an Enriched Environment in the Adult Brain. Neurorehabilitation and Neural Repair, 2013, 27, 561-574.	1.4	50
46	An Odorant-Binding Protein Required for Suppression of Sweet Taste by Bitter Chemicals. Neuron, 2013, 79, 725-737.	3.8	215
47	dTULP, the Drosophila melanogaster Homolog of Tubby, Regulates Transient Receptor Potential Channel Localization in Cilia. PLoS Genetics, 2013, 9, e1003814.	1.5	50
48	Slitrks control excitatory and inhibitory synapse formation with LAR receptor protein tyrosine phosphatases. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4057-4062.	3.3	151
49	Optimization of the radiosynthesis of [¹⁸ F]MEFWAY for imaging brain serotonin 1A receptors by using the GE TracerLab FXâ€“Pro module. Journal of Labelled Compounds and Radiopharmaceuticals, 2013, 56, 589-594.	0.5	8
50	Increased GABA-A Receptor Binding and Reduced Connectivity at the Motor Cortex in Children with Hemiplegic Cerebral Palsy: A Multimodal Investigation Using ¹⁸ F-Fluoroflumazenil PET, Immunohistochemistry, and MR Imaging. Journal of Nuclear Medicine, 2013, 54, 1263-1269.	2.8	23
51	Environmental Enrichment Synergistically Improves Functional Recovery by Transplanted Adipose Stem Cells in Chronic Hypoxic-Ischemic Brain Injury. Cell Transplantation, 2013, 22, 1553-1568.	1.2	17
52	PKC Phosphorylation Regulates mGluR5 Trafficking by Enhancing Binding of Siah-1A. Journal of Neuroscience, 2012, 32, 16391-16401.	1.7	34
53	Effective MicroPET imaging of brain 5â€“HT _{1A} receptors in rats with [¹⁸ F]MeFWAY by suppression of radioligand defluorination. Synapse, 2012, 66, 1015-1023.	0.6	13
54	Coherent Nuclear Wave Packets Generated by Ultrafast Intramolecular Charge-Transfer Reaction. Journal of Physical Chemistry Letters, 2012, 3, 2761-2766.	2.1	31

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55	Hippocampal mGluR5 predicts an occurrence of helplessness behavior after repetitive exposure to uncontrollable stress. <i>Neuroscience Letters</i> , 2012, 519, 62-66.	1.0	8
56	Evaluation of dopamine transporters and D2 receptors in hemiparkinsonian rat brains in vivo using consecutive PET scans of [18F]FPCIT and [18F]fallypride. <i>Applied Radiation and Isotopes</i> , 2012, 70, 2689-2694.	0.7	13
57	Reversible SUMOylation of TBL1-TBLR1 Regulates β -Catenin-Mediated Wnt Signaling. <i>Molecular Cell</i> , 2011, 43, 203-216.	4.5	97
58	Regulation of DREAM Expression by Group I mGluR. <i>Korean Journal of Physiology and Pharmacology</i> , 2011, 15, 95.	0.6	3
59	Motor pathway injury in patients with periventricular leucomalacia and spastic diplegia. <i>Brain</i> , 2011, 134, 1199-1210.	3.7	113
60	Zinc stimulates tau S214 phosphorylation by the activation of Raf/mitogen-activated protein kinase-kinase/extracellular signal-regulated kinase pathway. <i>NeuroReport</i> , 2011, 22, 839-844.	0.6	41
61	The effect of nicotine on the production of soluble fms-like tyrosine kinase-1 and soluble endoglin in human umbilical vein endothelial cells and trophoblasts. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2010, 89, 565-571.	1.3	8
62	Excited State Intramolecular Proton Transfer and Charge Transfer Dynamics of a 2-(2-Hydroxyphenyl)benzoxazole Derivative in Solution. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5618-5629.	1.1	114
63	Effect of 17-beta Estradiol on Adipocyte Lipin-1 Expression in OLETF Rat. <i>Endocrinology and Metabolism</i> , 2010, 25, 199.	1.3	2
64	Microarray Analysis of Differentially Expressed Genes in the Brains of Tubby Mice. <i>Korean Journal of Physiology and Pharmacology</i> , 2009, 13, 91.	0.6	9
65	Zinc Inhibits Amyloid β Production from Alzheimer's Amyloid Precursor Protein in SH-SY5Y Cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2009, 13, 195.	0.6	13
66	Pharmacokinetic properties and tissue storage of FITC conjugated SA-MnMEIO nanoparticles in mice. <i>Current Applied Physics</i> , 2009, 9, e304-e307.	1.1	6
67	Agonist-induced internalization of mGluR1 is mediated by caveolin. <i>Journal of Neurochemistry</i> , 2009, 111, 61-71.	2.1	24
68	Coherent excited state intramolecular proton transfer probed by time-resolved fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10266.	1.3	96
69	Association of Common Type 2 Diabetes Risk Gene Variants and Posttransplantation Diabetes Mellitus in Renal Allograft Recipients in Korea. <i>Transplantation</i> , 2009, 88, 693-698.	0.5	40
70	Metabotropic glutamate receptors: Phosphorylation and receptor signaling. <i>Journal of Neuroscience Research</i> , 2008, 86, 1-10.	1.3	116
71	Association between polymorphisms in SLC30A8, HHEX, CDKN2A/B, IGF2BP2, FTO, WFS1, CDKAL1, KCNQ1 and type 2 diabetes in the Korean population. <i>Journal of Human Genetics</i> , 2008, 53, 991-998.	1.1	141
72	Lithospermic acid B ameliorates the development of diabetic nephropathy in OLETF rats. <i>European Journal of Pharmacology</i> , 2008, 579, 418-425.	1.7	32

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73	Ultrafast time-resolved fluorescence by two photon absorption excitation. <i>Optics Express</i> , 2008, 16, 20742.	1.7	27
74	A Polymorphism in the Zinc Transporter Gene SLC30A8 Confers Resistance Against Posttransplantation Diabetes Mellitus in Renal Allograft Recipients. <i>Diabetes</i> , 2008, 57, 1043-1047.	0.3	76
75	Calmodulin dynamically regulates the trafficking of the metabotropic glutamate receptor mGluR5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12575-12580.	3.3	75
76	Inhibitory effect of zinc on hypoxic HIF-1 activation in astrocytes. <i>NeuroReport</i> , 2008, 19, 1063-1066.	0.6	10
77	Autocrine function of erythropoietin in IGF-1-induced erythropoietin biosynthesis. <i>NeuroReport</i> , 2008, 19, 1699-1703.	0.6	16
78	Heparin Attenuates the Expression of TNF α -induced Cerebral Endothelial Cell Adhesion Molecule. <i>Korean Journal of Physiology and Pharmacology</i> , 2008, 12, 231.	0.6	7
79	Protective Effects of Lithospermic Acid B on Diabetic Nephropathy in OLETF Rats Comparing with Amlodipine and Losartan. <i>Korean Diabetes Journal</i> , 2008, 32, 10.	0.8	1
80	Perturbation of Electronic States and Energy Relaxation Dynamics in Phenylene Bridged ZnII Porphyrin Dimers. , 2007, , .		0
81	Effects of conformational diversity on the excited state intramolecular reaction dynamics in condensed phases. , 2007, , .		0
82	Perturbation of Electronic States and Energy Relaxation Dynamics in a Series of Phenylene Bridged ZnIIPorphyrin Dimers. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14881-14888.	1.5	27
83	Heparin Inhibits NF- κ B Activation and Increases Cell Death in Cerebral Endothelial Cells after Oxygen-Glucose Deprivation. <i>Journal of Molecular Neuroscience</i> , 2007, 32, 145-154.	1.1	18
84	Protein Kinase C Phosphorylation of the Metabotropic Glutamate ReceptormGluR5 on Serine 839 Regulates Ca ²⁺ Oscillations. <i>Journal of Biological Chemistry</i> , 2005, 280, 25409-25415.	1.6	74
85	Pyrrolidine dithiocarbamate and zinc inhibit proteasome-dependent proteolysis. <i>Experimental Cell Research</i> , 2004, 298, 229-238.	1.2	58
86	Zinc-induced NF- κ B inhibition can be modulated by changes in the intracellular metallothionein level. <i>Toxicology and Applied Pharmacology</i> , 2003, 190, 189-196.	1.3	73
87	Expressions of transforming growth factor (TGF)- β 1 and TGF- β 2 type II receptor and their relationship with apoptosis during chemical hepatocarcinogenesis in rats. <i>Hepatology Research</i> , 2003, 27, 205-213.	1.8	6
88	Thiol Antioxidant Reversal of Pyrrolidine Dithiocarbamate-Induced Reciprocal Regulation of AP-1 and NF- κ B. <i>Biological Chemistry</i> , 2003, 384, 143-50.	1.2	37
89	Human hepatocellular carcinoma cells resist to TRAIL-induced apoptosis, and the resistance is abolished by cisplatin. <i>Experimental and Molecular Medicine</i> , 2002, 34, 114-122.	3.2	60
90	Tumor Necrosis Factor- α and Phorbol 12-Myristate 13-Acetate Differentially Modulate Cytotoxic Effect of Nitric Oxide Generated by Serum Deprivation in Neuronal PC12 Cells. <i>Journal of Neurochemistry</i> , 2001, 72, 1482-1488.	2.1	39

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91	Pyrrolidine Dithiocarbamate Induces Bovine Cerebral Endothelial Cell Death by Increasing the Intracellular Zinc Level. <i>Journal of Neurochemistry</i> , 2001, 72, 1586-1592.	2.1	57
92	IFN- γ induces cell death in human hepatoma cells through a trail/death receptor-mediated apoptotic pathway. <i>International Journal of Cancer</i> , 2001, 93, 262-268.	2.3	75
93	Novel biphasic effect of pyrrolidine dithiocarbamate on neuronal cell viability is mediated by the differential regulation of intracellular zinc and copper ion levels, NF- κ B, and MAP kinases. <i>Journal of Neuroscience Research</i> , 2000, 59, 117-125.	1.3	73
94	Biphasic effects of dithiocarbamates on the activity of nuclear factor- κ B. <i>European Journal of Pharmacology</i> , 2000, 392, 133-136.	1.7	30
95	Novel biphasic effect of pyrrolidine dithiocarbamate on neuronal cell viability is mediated by the differential regulation of intracellular zinc and copper ion levels, NF- κ B, and MAP kinases. , 2000, 59, 117.		2
96	Zinc is required in pyrrolidine dithiocarbamate inhibition of NF- κ B activation. <i>FEBS Letters</i> , 1999, 449, 28-32.	1.3	72
97	Pyrrithione, a Zinc Ionophore, Inhibits NF- κ B Activation. <i>Biochemical and Biophysical Research Communications</i> , 1999, 259, 505-509.	1.0	66