

Dong H Kim

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

4,562
citations

117453

34
h-index

106150

65
g-index

84
all docs

84
docs citations

84
times ranked

6126
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations in smooth muscle α -actin (ACTA2) lead to thoracic aortic aneurysms and dissections. <i>Nature Genetics</i> , 2007, 39, 1488-1493.	9.4	767
2	Mutations in Smooth Muscle Alpha-Actin (ACTA2) Cause Coronary Artery Disease, Stroke, and Moyamoya Disease, Along with Thoracic Aortic Disease. <i>American Journal of Human Genetics</i> , 2009, 84, 617-627.	2.6	466
3	De novo <i>ACTA2</i> mutation causes a novel syndrome of multisystemic smooth muscle dysfunction. <i>American Journal of Medical Genetics, Part A</i> , 2010, 152A, 2437-2443.	0.7	217
4	Selective Y centromere inactivation triggers chromosome shattering in micronuclei and repair by non-homologous end joining. <i>Nature Cell Biology</i> , 2017, 19, 68-75.	4.6	207
5	Transplantation of Ciliary Neurotrophic Factor-Expressing Adult Oligodendrocyte Precursor Cells Promotes Remyelination and Functional Recovery after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2010, 30, 2989-3001.	1.7	193
6	Increases in Cardiac Output Can Reverse Flow Deficits from Vasospasm Independent of Blood Pressure: A Study Using Xenon Computed Tomographic Measurement of Cerebral Blood Flow. <i>Neurosurgery</i> , 2003, 53, 1044-1052.	0.6	164
7	Astrocytes from the Contused Spinal Cord Inhibit Oligodendrocyte Differentiation of Adult Oligodendrocyte Precursor Cells by Increasing the Expression of Bone Morphogenetic Proteins. <i>Journal of Neuroscience</i> , 2011, 31, 6053-6058.	1.7	148
8	The role of MMP-2 and MMP-9 polymorphisms in sporadic intracranial aneurysms. <i>Journal of Neurosurgery</i> , 2006, 105, 418-423.	0.9	122
9	The Subarachnoid Hemorrhage Early Brain Edema Score Predicts Delayed Cerebral Ischemia and Clinical Outcomes. <i>Neurosurgery</i> , 2018, 83, 137-145.	0.6	112
10	Chromosomal abnormalities in glioblastoma multiforme tumors and glioma cell lines detected by comparative genomic hybridization. <i>International Journal of Cancer</i> , 1995, 60, 812-819.	2.3	106
11	Treatment with genetically engineered fibroblasts producing NGF or BDNF can accelerate recovery from traumatic spinal cord injury in the adult rat. <i>NeuroReport</i> , 1996, 7, 2221-2230.	0.6	88
12	RNA-Seq Characterization of Spinal Cord Injury Transcriptome in Acute/Subacute Phases: A Resource for Understanding the Pathology at the Systems Level. <i>PLoS ONE</i> , 2013, 8, e72567.	1.1	86
13	Detection of multiple gains and losses of genetic material in ten glioma cell lines by comparative genomic hybridization. <i>Genes Chromosomes and Cancer</i> , 1995, 13, 86-93.	1.5	77
14	Neuroprotection against hypoxia/ischemia: μ -opioid receptor-mediated cellular/molecular events. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2291-2303.	2.4	77
15	Morphine analgesia and acute physical dependence: rapid onset of two opposing, dose-related processes. <i>Brain Research</i> , 1990, 516, 37-40.	1.1	74
16	Genetic analysis of glioblastoma multiforme provides evidence for subgroups within the grade. , 1998, 21, 195-206.		74
17	THREE-DAY PHENYTOIN PROPHYLAXIS IS ADEQUATE AFTER SUBARACHNOID HEMORRHAGE. <i>Neurosurgery</i> , 2007, 60, 99-103.	0.6	65
18	Early Brain Injury Associated with Systemic Inflammation After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2018, 28, 203-211.	1.2	59

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19	Intracranial Aneurysms: Pathology, Genetics, and Molecular Mechanisms. <i>NeuroMolecular Medicine</i> , 2019, 21, 325-343.	1.8	59
20	Utility of Outcome Measures After Treatment for Intracranial Aneurysms. <i>Stroke</i> , 2005, 36, 792-796.	1.0	56
21	Metformin treatment reduces temozolomide resistance of glioblastoma cells. <i>Oncotarget</i> , 2016, 7, 78787-78803.	0.8	56
22	Induction of heme oxygenase-1 (HO-1) in the contused spinal cord of the rat. <i>Brain Research</i> , 1998, 795, 17-24.	1.1	54
23	Loss-of-Function Mutations in YY1AP1 Lead to Grange Syndrome and a Fibromuscular Dysplasia-Like Vascular Disease. <i>American Journal of Human Genetics</i> , 2017, 100, 21-30.	2.6	54
24	ZIP4 is a novel molecular marker for glioma. <i>Neuro-Oncology</i> , 2013, 15, 1008-1016.	0.6	53
25	Familial Syndromes Involving Meningiomas Provide Mechanistic Insight Into Sporadic Disease. <i>Neurosurgery</i> , 2018, 83, 1107-1118.	0.6	50
26	Inflammation in delayed ischemia and functional outcomes after subarachnoid hemorrhage. <i>Journal of Neuroinflammation</i> , 2019, 16, 213.	3.1	49
27	ORBITOCRANIAL WOODEN FOREIGN BODY. <i>Neurosurgery</i> , 2009, 65, E383-E384.	0.6	46
28	The systematic analysis of coding and long non-coding RNAs in the sub-chronic and chronic stages of spinal cord injury. <i>Scientific Reports</i> , 2017, 7, 41008.	1.6	46
29	Strategies to Modulate MicroRNA Functions for the Treatment of Cancer or Organ Injury. <i>Pharmacological Reviews</i> , 2020, 72, 639-667.	7.1	45
30	<i>THSD1</i> (Thrombospondin Type 1 Domain Containing Protein 1) Mutation in the Pathogenesis of Intracranial Aneurysm and Subarachnoid Hemorrhage. <i>Stroke</i> , 2016, 47, 3005-3013.	1.0	39
31	Prevention of apoptotic but not necrotic cell death following neuronal injury by neurotrophins signaling through the tyrosine kinase receptor. <i>Journal of Neurosurgery</i> , 2004, 100, 79-87.	0.9	38
32	Familial Aggregation of Both Aortic and Cerebral Aneurysms: Evidence for a Common Genetic Basis in a Subset of Families. <i>Neurosurgery</i> , 2005, 56, 655-661.	0.6	38
33	Autosomal dominant inheritance of a predisposition to thoracic aortic aneurysms and dissections and intracranial saccular aneurysms. <i>American Journal of Medical Genetics, Part A</i> , 2011, 155, 2125-2130.	0.7	38
34	Human neural progenitors derived from integration-free iPSCs for SCI therapy. <i>Stem Cell Research</i> , 2017, 19, 55-64.	0.3	37
35	Systematic model of peripheral inflammation after subarachnoid hemorrhage. <i>Neurology</i> , 2017, 88, 1535-1545.	1.5	36
36	µOpioid receptors upregulate excitatory amino acid transporters in mouse astrocytes. <i>British Journal of Pharmacology</i> , 2014, 171, 5417-5430.	2.7	35

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37	Transplantation of D15A-Expressing Glial-Restricted-Precursor-Derived Astrocytes Improves Anatomical and Locomotor Recovery after Spinal Cord Injury. <i>International Journal of Biological Sciences</i> , 2013, 9, 78-93.	2.6	34
38	Gamma Knife Stereotactic Radiosurgery in Combination with Bevacizumab for Recurrent Glioblastoma. <i>World Neurosurgery</i> , 2019, 127, e523-e533.	0.7	33
39	Analyses of brain tumor cell lines confirm a simple model of relationships among fluorescence in situ hybridization, DNA index, and comparative genomic hybridization. , 1997, 20, 311-319.		32
40	Apolipoprotein E as a novel therapeutic neuroprotection target after traumatic spinal cord injury. <i>Experimental Neurology</i> , 2018, 299, 97-108.	2.0	28
41	BDNF Protects Neurons Following Injury by Modulation of Caspase Activity. <i>Neurocritical Care</i> , 2005, 3, 071-076.	1.2	27
42	DOR activation inhibits anoxic/ischemic Na ⁺ influx through Na ⁺ channels via PKC mechanisms in the cortex. <i>Experimental Neurology</i> , 2012, 236, 228-239.	2.0	27
43	Sequencing of TGF- β 2 Pathway Genes in Familial Cases of Intracranial Aneurysm. <i>Stroke</i> , 2009, 40, 1604-1611.	1.0	26
44	Quantification of Cerebral Edema After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2016, 25, 64-70.	1.2	26
45	Incidence of Familial Intracranial Aneurysms in 200 Patients: Comparison among Caucasian, African-American, and Hispanic Populations. <i>Neurosurgery</i> , 2003, 53, 302-308.	0.6	25
46	Reduction of Pulmonary Edema After SAH With a Pulmonary Artery Catheter-Guided Hemodynamic Management Protocol. <i>Neurocritical Care</i> , 2005, 3, 011-015.	1.2	25
47	Human Induced Pluripotent Stem Cell <i>NEUROG2</i> Dual Knockin Reporter Lines Generated by the CRISPR/Cas9 System. <i>Stem Cells and Development</i> , 2015, 24, 2925-2942.	1.1	24
48	μ -Opioid Receptor Activation and MicroRNA Expression of the Rat Cortex in Hypoxia. <i>PLoS ONE</i> , 2012, 7, e51524.	1.1	21
49	Genomewide Linkage in a Large Caucasian Family Maps a New Locus for Intracranial Aneurysms to Chromosome 13q. <i>Stroke</i> , 2009, 40, S57-60.	1.0	19
50	Lack of an association between the angiotensin-converting enzyme insertion/deletion polymorphism and intracranial aneurysms in a Caucasian population in the United States. <i>Journal of Neurosurgery</i> , 2005, 103, 92-96.	0.9	18
51	Neurosurgical Practice in Transition: A Review. <i>Neurosurgery</i> , 2017, 80, S4-S9.	0.6	18
52	Neurosurgical Education in a Changing Healthcare and Regulatory Environment: A Consensus Statement from 6 Programs. <i>Neurosurgery</i> , 2017, 80, S75-S82.	0.6	18
53	Dissecting Aneurysms of the Posterior Cerebral Artery. <i>Neurosurgery</i> , 2012, 70, 1581-1588.	0.6	17
54	Hydrogen Sulfide Induced Disruption of Na ⁺ Homeostasis in the Cortex. <i>Toxicological Sciences</i> , 2012, 128, 198-208.	1.4	15

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55	Î-Opioid Receptor Activation Modified MicroRNA Expression in the Rat Kidney under Prolonged Hypoxia. PLoS ONE, 2013, 8, e61080.	1.1	15
56	Artifact quantification and tractography from 3T MRI after placement of aneurysm clips in subarachnoid hemorrhage patients. BMC Medical Imaging, 2011, 11, 19.	1.4	14
57	Promoter methylation of Wrap53Î±, an antisense transcript of p53, is associated with the poor prognosis of patients with non-small cell lung cancer. Oncology Letters, 2018, 16, 5823-5828.	0.8	14
58	Systematic analysis of purified astrocytes after SCI unveils Zeb2os function during astrogliosis. Cell Reports, 2021, 34, 108721.	2.9	14
59	Targeting different types of human meningioma and glioma cells using a novel adenoviral vector expressing GFP-TRAIL fusion protein from hTERT promoter. Cancer Cell International, 2011, 11, 35.	1.8	13
60	Disruption of thrombo-inflammatory response and activation of a distinct cytokine cluster after subarachnoid hemorrhage. Cytokine, 2018, 111, 334-341.	1.4	13
61	Synergistic anticancer effect of acteoside and temozolomide-based glioblastoma chemotherapy. International Journal of Molecular Medicine, 2019, 43, 1478-1486.	1.8	11
62	Ethnic differences in risk factors for subarachnoid hemorrhage. Journal of Neurosurgery, 2007, 107, 522-529.	0.9	10
63	The Intracranial Aneurysm Gene THSD1 Connects Endosome Dynamics to Nascent Focal Adhesion Assembly. Cellular Physiology and Biochemistry, 2017, 43, 2200-2211.	1.1	9
64	A Direct Experience in a New Accountable Care Organization: Results, Challenges, and the Role of the Neurosurgeon. Neurosurgery, 2017, 80, S42-S49.	0.6	9
65	Quality Programs in Neurosurgery: The Memorial Hermann/University of Texas Experience. Neurosurgery, 2017, 80, S65-S74.	0.6	9
66	“The Coming Changes in Neurosurgical Practice” A Supplement to Neurosurgery. Neurosurgery, 2017, 80, S1-S3.	0.6	8
67	Effects of Propofol Treatment in Neural Progenitors Derived from Human-Induced Pluripotent Stem Cells. Neural Plasticity, 2017, 2017, 1-12.	1.0	7
68	A Review and Survey of Neurosurgeon“Hospital Relationships: Evolution and Options. Neurosurgery, 2017, 80, S10-S18.	0.6	7
69	Hypothermia for Patients Requiring Evacuation of Subdural Hematoma: A Multicenter Randomized Clinical Trial. Neurocritical Care, 2022, 36, 560-572.	1.2	7
70	Podosome formation impairs endothelial barrier function by sequestering zonula occludens proteins. Journal of Cellular Physiology, 2020, 235, 4655-4666.	2.0	5
71	Genomic alterations predictive of response to radiosurgery in recurrent IDH-WT glioblastoma. Journal of Neuro-Oncology, 2021, 152, 153-162.	1.4	5
72	Pathobiology of Intracranial Aneurysms. , 2011, , 3747-3755.		5

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73	Hypermethylation of normal mucosa of esophagusâ€specific; 1/21 is associated with an unfavorable prognosis in patients with nonâ€small cell lung cancer. <i>Oncology Letters</i> , 2018, 16, 2409-2415.	0.8	4
74	Variance Reduction in Neurosurgical Practice: The Case for Analytics-Driven Decision Support in the Era of Big Data. <i>World Neurosurgery</i> , 2019, 126, e190-e195.	0.7	4
75	Highly efficient one-step scarless protein tagging by type IIS restriction endonuclease-mediated precision cloning. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 8-16.	1.0	3
76	In Reply: Neurosurgical Education in a Changing Healthcare and Regulatory Environment: A Consensus Statement From 6 Programs. <i>Neurosurgery</i> , 2017, 81, E47.	0.6	3
77	Germline and somatic mutations in the pathology of pineal cyst: A wholeâ€exome sequencing study of 93 individuals. <i>Molecular Genetics & Genomic Medicine</i> , 2021, 9, e1691.	0.6	2
78	Three-Day Phenytoin Prophylaxis is Adequate after Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2007, 61, E1340.	0.6	1
79	The management of skull base tumors. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2012, 105, 657-664.	1.0	1
80	Precision Tagging: A Novel Seamless Protein Tagging by Combinational Use of Type II and Type IIS Restriction Endonucleases. <i>Bio-protocol</i> , 2018, 8, .	0.2	1
81	Therapeutic hypertension: principles and methods. <i>Neurosurgical Review</i> , 2004, 27, 236.	1.2	0
82	Microsurgical clip reconstruction techniques for aneurysms with significant calcified neck. <i>Neurosurgical Focus</i> , 2015, 39, V12.	1.0	0
83	Cover Image, Volume 235, Number 5, May 2020. <i>Journal of Cellular Physiology</i> , 2020, 235, ii.	2.0	0