Keith R Pennypacker

List of Publications by Year
in descending order

92 papers	4,054 citations	136885 32 h-index	118793 62 g-index
93 all docs	93 docs citations	93 times ranked	3885 citing authors

#	Article	IF	Citations
1	Isolation and identification of leukocyte populations in intracranial blood collected during mechanical thrombectomy. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 280-291.	2.4	11
2	Antimicrobial protein REG3A and signaling networks are predictive of stroke outcomes. Journal of Neurochemistry, 2022, 160, 100-112.	2.1	13
3	Influence of BMI on adenosine deaminase and stroke outcomes in mechanical thrombectomy subjects. Brain, Behavior, & Immunity - Health, 2022, 20, 100422.	1.3	3
4	Proteomic changes in intracranial blood during human ischemic stroke. Journal of NeuroInterventional Surgery, 2021, 13, 395-399.	2.0	24
5	Intracranial VCAM1 at time of mechanical thrombectomy predicts ischemic stroke severity. Journal of Neuroinflammation, 2021, 18, 109.	3.1	22
6	Method of intra-arterial drug administration in a rat: Sex based optimization of infusion rate. Journal of Neuroscience Methods, 2021, 357, 109178.	1.3	1
7	Extended Middle Cerebral Artery Occlusion (MCAO) Model to Mirror Stroke Patients Undergoing Thrombectomy. Translational Stroke Research, 2021, , 1.	2.3	9
8	Smoking-Induced Sex Differences in Clinical Outcomes in Patients Undergoing Mechanical Thrombectomy for Stroke. World Neurosurgery, 2021, 153, e365-e372.	0.7	4
9	Alterations in Local Peri-Infarct Blood Gases in Stroke Patients Undergoing Thrombectomy. World Neurosurgery, 2021, 158, e317-e317.	0.7	5
10	Commentary: Use of BACTRAC Proteomic Database-Uromodulin Protein Expression During Ischemic Stroke. Journal of Experimental Neurology, 2021, 2, 29-33.	0.5	0
11	Short Chain Fatty Acids Taken at Time of Thrombectomy in Acute Ischemic Stroke Patients Are Independent of Stroke Severity But Associated With Inflammatory Markers and Worse Symptoms at Discharge. Frontiers in Immunology, 2021, 12, 797302.	2.2	11
12	Early acid/base and electrolyte changes in permanent middle cerebral artery occlusion: Aged male and female rats. Journal of Neuroscience Research, 2020, 98, 179-190.	1.3	7
13	Evaluation of sex differences in acid/base and electrolyte concentrations in acute large vessel stroke. Experimental Neurology, 2020, 323, 113078.	2.0	8
14	The Poststroke Peripheral Immune Response Is Differentially Regulated by Leukemia Inhibitory Factor in Aged Male and Female Rodents. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11.	1.9	4
15	The Blood And Clot Thrombectomy Registry And Collaboration (BACTRAC) protocol: novel method for evaluating human stroke. Journal of NeuroInterventional Surgery, 2019, 11, 265-270.	2.0	39
16	Acidâ€"Base and Electrolyte Changes Drive Early Pathology in Ischemic Stroke. NeuroMolecular Medicine, 2019, 21, 540-545.	1.8	16
17	Azithromycin Polarizes Macrophages to an M2 Phenotype via Inhibition of the STAT1 and NF-Î°B Signaling Pathways. Journal of Immunology, 2019, 203, 1021-1030.	0.4	85
18	Immune System Activation in Perioperative Thrombectomy Patients: Preliminary Retrospective Study. World Neurosurgery, 2019, 128, e966-e969.	0.7	3

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19	Evaluation of Patients with High National Institutes of Health Stroke Scale as Thrombectomy Candidates Using the Kentucky Appalachian Stroke Registry. Cerebrovascular Diseases, 2019, 48, 251-256.	0.8	4
20	Efficacy of leukemia inhibitory factor as a therapeutic for permanent large vessel stroke differs among aged male and female rats. Brain Research, 2019, 1707, 62-73.	1.1	8
21	Neuroprotective activity of leukemia inhibitory factor is relayed through myeloid zinc finger-1 in a rat model of stroke. Metabolic Brain Disease, 2019, 34, 631-640.	1.4	10
22	Expression of Cytokines and Chemokines as Predictors of Stroke Outcomes in Acute Ischemic Stroke. Frontiers in Neurology, 2019, 10, 1391.	1.1	25
23	Human brain microvascular endothelial cells produce CXCL9 after IFN gamma stimulation through JAK2/STAT1 Activation. FASEB Journal, 2019, 33, 500.1.	0.2	1
24	Leukemia Inhibitory Factor-Loaded Nanoparticles with Enhanced Cytokine Metabolic Stability and Anti-Inflammatory Activity. Pharmaceutical Research, 2018, 35, 6.	1.7	16
25	Uncovering the Rosetta Stone: Report from the First Annual Conference on Key Elements in Translating Stroke Therapeutics from Pre-Clinical to Clinical. Translational Stroke Research, 2018, 9, 258-266.	2.3	10
26	The role of the leukemia inhibitory factor receptor in neuroprotective signaling. , 2018, 183, 50-57.		37
27	Leukemia inhibitory factor modulates the peripheral immune response in a rat model of emergent large vessel occlusion. Journal of Neuroinflammation, 2018, 15, 288.	3.1	23
28	Translational Evaluation of Acid/Base and Electrolyte Alterations in Rodent Model of Focal Ischemia. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 2746-2754.	0.7	10
29	Abstract WMP77: Anti-Inflammatory Signaling by Leukemia Inhibitory Factor is Suppressed in Aged Animals After Stroke. Stroke, 2018, 49, .	1.0	1
30	Leukemia Inhibitory Factor Protects Neurons from Ischemic Damage via Upregulation of Superoxide Dismutase 3. Molecular Neurobiology, 2017, 54, 608-622.	1.9	32
31	Correcting the Trajectory of Stroke Therapeutic Research. Translational Stroke Research, 2017, 8, 65-66.	2.3	9
32	Targeting antioxidant enzyme expression as a therapeutic strategy for ischemic stroke. Neurochemistry International, 2017, 107, 23-32.	1.9	81
33	The Effects of Clinically Relevant Hypertonic Saline and Conivaptan Administration on Ischemic Stroke. Acta Neurochirurgica Supplementum, 2016, 121, 243-250.	0.5	5
34	Human Umbilical Cord Blood Cells Induce Neuroprotective Change in Gene Expression Profile in Neurons after Ischemia through Activation of Akt Pathway. Cell Transplantation, 2015, 24, 721-735.	1.2	19
35	The Role of the Spleen in Ischemic Stroke. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 186-187.	2.4	41
36	Commentary: Different immunological mechanisms govern protection from experimental stroke in young and older mice with recombinant TCR ligand therapy. Frontiers in Cellular Neuroscience, 2014, 8, 339.	1.8	1

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37	Pro-Inflammatory Interferon Gamma Signaling is Directly Associated with Stroke Induced Neurodegeneration. Journal of NeuroImmune Pharmacology, 2014, 9, 679-689.	2.1	80
38	Leukemia inhibitor factor promotes functional recovery and oligodendrocyte survival in rat models of focal ischemia. European Journal of Neuroscience, 2014, 40, 3111-3119.	1.2	33
39	Targeting the Peripheral Inflammatory Response to Stroke: Role of the Spleen. Translational Stroke Research, 2014, 5, 635-637.	2.3	29
40	Molecular and Cellular Immune Responses to Ischemic Brain Injury. Translational Stroke Research, 2014, 5, 543-553.	2.3	84
41	QUANTITATIVE MORPHOLOGICAL AND MOLECULAR PATHOLOGY OF THE HUMAN THYMUS CORRELATE WITH INFANT CAUSE OF DEATH. Technology and Innovation, 2014, 16, 55-62.	0.2	0
42	Human Umbilical Cord Blood Cells Protect Oligodendrocytes from Brain Ischemia through Akt Signal Transduction. Journal of Biological Chemistry, 2012, 287, 4177-4187.	1.6	40
43	CCL20 Is Associated with Neurodegeneration Following Experimental Traumatic Brain Injury and Promotes Cellular Toxicity In Vitro. Translational Stroke Research, 2012, 3, 357-363.	2.3	23
44	Peripheral Immune Response to CNS Injury. Translational Stroke Research, 2012, 3, 305-305.	2.3	2
45	A Transient Decrease in Spleen Size Following Stroke Corresponds to Splenocyte Release into Systemic Circulation. Journal of NeuroImmune Pharmacology, 2012, 7, 1017-1024.	2.1	147
46	The spleen contributes to stroke induced neurodegeneration through interferon gamma signaling. Metabolic Brain Disease, 2012, 27, 131-141.	1.4	102
47	The Splenic Response to Ischemic Stroke: What Have We Learned from Rodent Models?. Translational Stroke Research, 2011, 2, 328-338.	2.3	5
48	Human umbilical cord blood cell therapy blocks the morphological change and recruitment of CD11bâ€expressing, isolectinâ€binding proinflammatory cells after middle cerebral artery occlusion. Journal of Neuroscience Research, 2010, 88, 1213-1222.	1.3	41
49	Implications of Immune System in Stroke for Novel Therapeutic Approaches. Translational Stroke Research, 2010, 1, 85-95.	2.3	2
50	Administration of a Sigma Receptor Agonist Delays MCAO-Induced Neurodegeneration and White Matter Injury. Translational Stroke Research, 2010, 1, 135-145.	2.3	24
51	Abnormal postâ€translational and extracellular processing of brevican in plaqueâ€bearing mice overâ€expressing APPsw. Journal of Neurochemistry, 2010, 113, 784-795.	2.1	33
52	Copper-Catalyzed Guanidinylation of Aryl Iodides: The Formation of <i>N,Nâ€²</i>-Disubstituted Guanidines. Organic Letters, 2010, 12, 1316-1319.	2.4	37
53	Sigma receptors suppress multiple aspects of microglial activation. Glia, 2009, 57, 744-754.	2.5	100
54	Blockade of adrenoreceptors inhibits the splenic response to stroke. Experimental Neurology, 2009, 218, 47-55.	2.0	122

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55	The spleen contributes to strokeâ€induced neurodegeneration. Journal of Neuroscience Research, 2008, 86, 2227-2234.	1.3	253
56	Ïƒ-1 Receptor Modulation of Acid-Sensing Ion Channel a (ASIC1a) and ASIC1a-Induced Ca²⁺ Influx in Rat Cortical Neurons. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 491-502.	1.3	93
57	Sigma-1 Receptor Activation Prevents Intracellular Calcium Dysregulation in Cortical Neurons during in Vitro Ischemia. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 1355-1365.	1.3	101
58	Cord blood rescues stroke-induced changes in splenocyte phenotype and function. Experimental Neurology, 2006, 199, 191-200.	2.0	221
59	Timing of Cord Blood Treatment after Experimental Stroke Determines Therapeutic Efficacy. Cell Transplantation, 2006, 15, 213-223.	1.2	155
60	NF-ÎºB protects neurons from ischemic injury after middle cerebral artery occlusion in mice. Brain Research, 2006, 1088, 167-175.	1.1	68
61	Reduced Nuclear Factor kappa B activation in dentate gyrus after active avoidance training. Brain Research, 2006, 1104, 39-44.	1.1	5
62	Sigma Receptor Activation Reduces Infarct Size at 24 Hours After Permanent Middle Cerebral Artery Occlusion in Rats. Current Neurovascular Research, 2006, 3, 89-98.	0.4	102
63	Temporary focal ischemia in the mouse: Technical aspects and patterns of Fluoro-Jade evident neurodegeneration. Brain Research, 2005, 1042, 29-36.	1.1	51
64	Anti-inflammatory Effects of Human Cord Blood Cells in a Rat Model of Stroke. Stem Cells and Development, 2005, 14, 595-604.	1.1	229
65	Infusion of Human Umbilical Cord Blood Cells in a Rat Model of Stroke Dose-Dependently Rescues Behavioral Deficits and Reduces Infarct Volume. Stroke, 2004, 35, 2390-2395.	1.0	368
66	Injuryâ€induced NFâ€ÎºB activation in the hippocampus: implications for neuronal survival. FASEB Journal, 2004, 18, 723-724.	0.2	56
67	Temporal and regional expression of Fos-related proteins in response to ischemic injury. Brain Research Bulletin, 2004, 63, 65-73.	1.4	17
68	Induction of memory-associated immediate early genes by nerve growth factor in rat primary cortical neurons and differentiated mouse Neuro2A cells. Neuroscience Letters, 2004, 366, 10-14.	1.0	17
69	Neurodegeneration in the rat hippocampus and striatum after middle cerebral artery occlusion. Brain Research, 2002, 929, 252-260.	1.1	138
70	Nicotine Inhibition of Apoptosis in Murine Immune Cells. Experimental Biology and Medicine, 2001, 226, 947-953.	1.1	25
71	Chronic dopaminergic signaling in the basal ganglia: a damage perspective on kinases and fos-related antigens. Addiction Biology, 2000, 5, 369-376.	1.4	1
72	Expression of fos-related antigen-2 in rat hippocampus after middle cerebral arterial occlusion. Neuroscience Letters, 2000, 289, 1-4.	1.0	27

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73	Effect of dexamethasone on elevated cytokine mRNA levels in chemical-induced hippocampal injury. Journal of Neuroscience Research, 1999, 57, 916-926.	1.3	38
74	Induction of presenilins in the rat brain after middle cerebral arterial occlusion. Brain Research Bulletin, 1999, 48, 539-543.	1.4	45
75	Effect of dexamethasone on elevated cytokine mRNA levels in chemicalâ€induced hippocampal injury. Journal of Neuroscience Research, 1999, 57, 916-926.	1.3	1
76	Ap-1 Transcription Factors: Short- and Long-Term Modulators of Gene Expression in The Brain. International Review of Neurobiology, 1998, 42, 169-197.	0.9	30
77	Leadâ€induced developmental changes in APâ€1 DNA binding in rat brain. International Journal of Developmental Neuroscience, 1997, 15, 321-328.	0.7	21
78	Methamphetamine-Induced Changes in AP-1 Binding and Dynorphin in the Striatum: Correlated, Not Causally Related Events?. NeuroSignals, 1996, 5, 317-333.	0.5	6
79	Induction of NF-kB-like transcription factors in brain areas susceptible to kainate toxicity. Glia, 1996, 16, 306-315.	2.5	70
80	Pharmacological Regulation of Transcription Factor Binding. Pharmacology, 1995, 51, 1-12.	0.9	9
81	Chapter 10 Kainate-induced changes in gene expression in the rat hippocampus. Progress in Brain Research, 1995, 105, 105-116.	0.9	3
82	Acute repeated nicotine injections increase enkephalin and decrease AP-1 DNA binding activity in rat adrenal medulla. Molecular Brain Research, 1995, 31, 210-214.	2.5	5
83	Basal expression of 35 kDa fos-related antigen in olfactory bulb. Molecular Brain Research, 1995, 34, 161-165.	2.5	4
84	Implications of prolonged expression of Fos-related antigens. Trends in Pharmacological Sciences, 1995, 16, 317-321.	4.0	84
85	Pharmacological regulation of APâ€1 transcription factor DNA binding activity 1. FASEB Journal, 1994, 8, 475-478.	0.2	63
86	Brain injury in a dish: a model for reactive gliosis. Trends in Neurosciences, 1994, 17, 138-142.	4.2	192
87	Expression of the Proenkephalin A Gene and [Met5]enkephalin Secretion Induced by Prostaglandin E2 in Bovine Adrenal Medullary Chromaffin Cells: Involvement of Second Messengers. Molecular and Cellular Neurosciences, 1993, 4, 113-120.	1.0	8
88	Characterization of dynorphin-containing neurons on dissociated dentate gyrus cell cultures. Brain Research, 1992, 594, 91-98.	1.1	3
89	Preferential activation of [3H]phorbol-12,13-dibutyrate binding by AMPA (Î±-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid) in neonatal striatal cell cultures. Brain Research, 1992, 593, 307-310.	1.1	7
90	Expression of Calmodulin-Dependent Phosphodiesterase, Calmodulin-Dependent Protein Phosphatase, and Other Calmodulin-Binding Proteins in Human SMS-KCNR Neuroblastoma Cells. Journal of Neurochemistry, 1989, 52, 1438-1448.	2.1	6

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91	Changes in expression of tyrosine hydroxylase immunoreactivity in human SMS-KCNR neuroblastoma following retinoic acid or phorbol ester-induced differentiation. Molecular Brain Research, 1989, 5, 251-258.	2.5	24
92	Calmodulin-Binding Proteins in Human Y-79 Retinoblastoma and HTB-14 Glioma Cell Lines. Journal of Neurochemistry, 1988, 50, 1648-1654.	2.1	6