

# Hailong Dong

## List of Publications by Year in descending order

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109  
papers

4,374  
citations

136950

32  
h-index

138484

58  
g-index

141  
all docs

141  
docs citations

141  
times ranked

5989  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronal network activity controls microglial process surveillance in awake mice via norepinephrine signaling. <i>Nature Neuroscience</i> , 2019, 22, 1771-1781.	14.8	237
2	A feed-forward spinal cord glycinergic neural circuit gates mechanical allodynia. <i>Journal of Clinical Investigation</i> , 2013, 123, 4050-4062.	8.2	230
3	GABA and glutamate neurons in the VTA regulate sleep and wakefulness. <i>Nature Neuroscience</i> , 2019, 22, 106-119.	14.8	188
4	Spinal Microgliosis Due to Resident Microglial Proliferation Is Required for Pain Hypersensitivity after Peripheral Nerve Injury. <i>Cell Reports</i> , 2016, 16, 605-614.	6.4	187
5	Protective Effect of Glycyrrhizin, a Direct HMGB1 Inhibitor, on Focal Cerebral Ischemia/Reperfusion-Induced Inflammation, Oxidative Stress, and Apoptosis in Rats. <i>PLoS ONE</i> , 2014, 9, e89450.	2.5	140
6	Preconditioning with Hyperbaric Oxygen and Hyperoxia Induces Tolerance against Spinal Cord Ischemia in Rabbits. <i>Anesthesiology</i> , 2002, 96, 907-912.	2.5	122
7	Noninvasive limb remote ischemic preconditioning contributes neuroprotective effects via activation of adenosine A1 receptor and redox status after transient focal cerebral ischemia in rats. <i>Brain Research</i> , 2012, 1459, 81-90.	2.2	120
8	Autophagy activation is involved in neuroprotection induced by hyperbaric oxygen preconditioning against focal cerebral ischemia in rats. <i>Brain Research</i> , 2011, 1402, 109-121.	2.2	113
9	Modulation of Microglial Process Convergence Toward Neuronal Dendrites by Extracellular Calcium. <i>Journal of Neuroscience</i> , 2015, 35, 2417-2422.	3.6	113
10	Neuroprotective effect of calycosin on cerebral ischemia and reperfusion injury in rats. <i>Journal of Ethnopharmacology</i> , 2012, 144, 768-774.	4.1	104
11	Neuroprotective gases “ Fantasy or reality for clinical use?. <i>Progress in Neurobiology</i> , 2014, 115, 210-245.	5.7	104
12	Microglial P2Y12 receptors regulate microglial activation and surveillance during neuropathic pain. <i>Brain, Behavior, and Immunity</i> , 2016, 55, 82-92.	4.1	104
13	Sirt1 Mediates Hyperbaric Oxygen Preconditioning-Induced Ischemic Tolerance in Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 396-406.	4.3	99
14	Nitric Oxide Decreases Acute Kidney Injury and Stage 3 Chronic Kidney Disease after Cardiac Surgery. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1279-1287.	5.6	99
15	Sevoflurane Preconditioning Induces Neuroprotection Through Reactive Oxygen Species-Mediated Up-Regulation of Antioxidant Enzymes in Rats. <i>Anesthesia and Analgesia</i> , 2011, 112, 931-937.	2.2	84
16	Beneficial effects of hydrogen gas against spinal cord ischemia“reperfusion injury in rabbits. <i>Brain Research</i> , 2011, 1378, 125-136.	2.2	79
17	Protective Effect of Delayed Remote Limb Ischemic Postconditioning: Role of Mitochondrial K <sub>ATP</sub> Channels in a Rat Model of Focal Cerebral Ischemic Reperfusion Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 851-859.	4.3	74
18	A Critical Role for Interferon Regulatory Factor 9 in Cerebral Ischemic Stroke. <i>Journal of Neuroscience</i> , 2014, 34, 11897-11912.	3.6	57

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19	Calorie restriction attenuates cerebral ischemic injury via increasing SIRT1 synthesis in the rat. <i>Brain Research</i> , 2015, 1610, 61-68.	2.2	53
20	Activation of Canonical Notch Signaling Pathway Is Involved in the Ischemic Tolerance Induced by Sevoflurane Preconditioning in Mice. <i>Anesthesiology</i> , 2012, 117, 996-1005.	2.5	52
21	Effects of Sevoflurane on Self-Renewal Capacity and Differentiation of Cultured Neural Stem Cells. <i>Neurochemical Research</i> , 2013, 38, 1758-1767.	3.3	51
22	Reactive Oxygen Species Scavenger Inhibits STAT3 Activation After Transient Focal Cerebral Ischemia Reperfusion Injury in Rats. <i>Anesthesia and Analgesia</i> , 2011, 113, 153-159.	2.2	47
23	Recombinant human thioredoxin-1 promotes neurogenesis and facilitates cognitive recovery following cerebral ischemia in mice. <i>Neuropharmacology</i> , 2014, 77, 453-464.	4.1	45
24	Activation of orexin signal in basal forebrain facilitates the emergence from sevoflurane anesthesia in rat. <i>Neuropeptides</i> , 2009, 43, 179-185.	2.2	44
25	Preconditioning With Repeated Hyperbaric Oxygen Induces Myocardial and Cerebral Protection in Patients Undergoing Coronary Artery Bypass Graft Surgery: A Prospective, Randomized, Controlled Clinical Trial. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, 908-916.	1.3	44
26	Hyperbaric oxygen preconditioning protects cortical neurons against oxygen-glucose deprivation injury: Role of peroxisome proliferator-activated receptor-gamma. <i>Brain Research</i> , 2012, 1452, 140-150.	2.2	43
27	Tanshinone IIA Elicits Neuroprotective Effect Through Activating the Nuclear Factor Erythroid 2-Related Factor-Dependent Antioxidant Response. <i>Rejuvenation Research</i> , 2017, 20, 286-297.	1.8	43
28	Orexin activated emergence from isoflurane anaesthesia involves excitation of ventral tegmental area dopaminergic neurones in rats. <i>British Journal of Anaesthesia</i> , 2019, 123, 497-505.	3.4	42
29	Genistein Attenuates Brain Damage induced by Transient Cerebral Ischemia Through Up-regulation of ERK Activity in Ovariectomized Mice. <i>International Journal of Biological Sciences</i> , 2014, 10, 457-465.	6.4	41
30	Estrogen replacement therapy-induced neuroprotection against brain ischemia-reperfusion injury involves the activation of astrocytes via estrogen receptor $\beta$ . <i>Scientific Reports</i> , 2016, 6, 21467.	3.3	39
31	Optogenetic activation of spinal microglia triggers chronic pain in mice. <i>PLoS Biology</i> , 2021, 19, e3001154.	5.6	39
32	Endocannabinoid signaling in hypothalamic circuits regulates arousal from general anesthesia in mice. <i>Journal of Clinical Investigation</i> , 2017, 127, 2295-2309.	8.2	39
33	Activation of K2P channel TREK1 mediates the neuroprotection induced by sevoflurane preconditioning. <i>British Journal of Anaesthesia</i> , 2014, 113, 157-167.	3.4	36
34	Deficiency of tumor suppressor NDRG2 leads to attention deficit and hyperactive behavior. <i>Journal of Clinical Investigation</i> , 2017, 127, 4270-4284.	8.2	36
35	A specific circuit in the midbrain detects stress and induces restorative sleep. <i>Science</i> , 2022, 377, 63-72.	12.6	36
36	Optogenetic/Chemogenetic Activation of GABAergic Neurons in the Ventral Tegmental Area Facilitates General Anesthesia via Projections to the Lateral Hypothalamus in Mice. <i>Frontiers in Neural Circuits</i> , 2019, 13, 73.	2.8	35

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37	Tetramethylpyrazine Suppresses Transient Oxygen-Glucose Deprivation-Induced Connexin32 Expression and Cell Apoptosis via the ERK1/2 and p38 MAPK Pathway in Cultured Hippocampal Neurons. PLoS ONE, 2014, 9, e105944.	2.5	34
38	Inhibition of mitochondrial permeability transition pore opening contributes to the neuroprotective effects of ischemic postconditioning in rats. Brain Research, 2012, 1436, 101-110.	2.2	31
39	The Neuroprotective Effects of Isoflurane Preconditioning in a Murine Transient Global Cerebral Ischemia/Reperfusion Model: The Role of the Notch Signaling Pathway. NeuroMolecular Medicine, 2014, 16, 191-204.	3.4	31
40	Orexin-A facilitates emergence of the rat from isoflurane anesthesia via mediation of the basal forebrain. Neuropeptides, 2016, 58, 7-14.	2.2	31
41	Dysfunction of ventral tegmental area GABA neurons causes mania-like behavior. Molecular Psychiatry, 2021, 26, 5213-5228.	7.9	31
42	Sevoflurane preconditioning protects experimental ischemic stroke by enhancing anti-inflammatory microglia/macrophages phenotype polarization through GSK $\beta$ /Nrf2 pathway. CNS Neuroscience and Therapeutics, 2021, 27, 1348-1365.	3.9	31
43	Hemopexin induces neuroprotection in the rat subjected to focal cerebral ischemia. BMC Neuroscience, 2013, 14, 58.	1.9	30
44	Cardioprotective effect of remote ischemic postconditioning on children undergoing cardiac surgery: a randomized controlled trial. Paediatric Anaesthesia, 2013, 23, 726-733.	1.1	30
45	Glycogenolysis Is Crucial for Astrocytic Glycogen Accumulation and Brain Damage after Reperfusion in Ischemic Stroke. IScience, 2020, 23, 101136.	4.1	30
46	Dexmedetomidine Activation of Dopamine Neurons in the Ventral Tegmental Area Attenuates the Depth of Sedation in Mice. Anesthesiology, 2020, 133, 377-392.	2.5	30
47	Serotonergic neurons in the dorsal raphe nucleus mediate the arousal-promoting effect of orexin during isoflurane anesthesia in male rats. Neuropeptides, 2019, 75, 25-33.	2.2	28
48	Cystatin C Is a Crucial Endogenous Protective Determinant Against Stroke. Stroke, 2017, 48, 436-444.	2.0	27
49	Selective optogenetic activation of orexinergic terminals in the basal forebrain and locus coeruleus promotes emergence from isoflurane anaesthesia in rats. British Journal of Anaesthesia, 2021, 126, 279-292.	3.4	27
50	Role of anaesthesiologists during the COVID-19 outbreak in China. British Journal of Anaesthesia, 2020, 124, 666-669.	3.4	26
51	Tetramethylpyrazine attenuates spinal cord ischemic injury due to aortic cross-clamping in rabbits. BMC Neurology, 2002, 2, 1.	1.8	25
52	Cannabinoid 1 receptor mediation of spinal cord ischemic tolerance induced by limb remote ischemia preconditioning in rats. Journal of Thoracic and Cardiovascular Surgery, 2009, 138, 1409-1416.	0.8	25
53	EMMPRIN Is an Independent Negative Prognostic Factor for Patients with Astrocytic Glioma. PLoS ONE, 2013, 8, e58069.	2.5	25
54	DDR1 may play a key role in destruction of the blood-brain barrier after cerebral ischemia/reperfusion. Neuroscience Research, 2015, 96, 14-19.	1.9	24

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55	Transcutaneous electrical acupoint stimulation before surgery reduces chronic pain after mastectomy: A randomized clinical trial. <i>Journal of Clinical Anesthesia</i> , 2021, 74, 110453.	1.6	24
56	Ischemic postconditioning protects the spinal cord from ischemiaâ€“reperfusion injury via modulation of redox signaling. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 146, 688-695.	0.8	21
57	Hyperhomocysteinemia is key for increased susceptibility to PND in aged mice. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1435-1444.	3.7	21
58	Cell-type-specific imaging of neurotransmission reveals a disrupted excitatory-inhibitory cortical network in isoflurane anaesthesia. <i>EBioMedicine</i> , 2021, 65, 103272.	6.1	21
59	Dorsal raphe serotonergic neurons promote arousal from isoflurane anesthesia. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 941-950.	3.9	21
60	Lateral Hypothalamic Area Glutamatergic Neurons and Their Projections to the Lateral Habenula Modulate the Anesthetic Potency of Isoflurane in Mice. <i>Neuroscience Bulletin</i> , 2021, 37, 934-946.	2.9	20
61	Nicotine-Induced Neuroprotection Against Ischemic Injury Involves Activation of Endocannabinoid System in Rats. <i>Neurochemical Research</i> , 2013, 38, 364-370.	3.3	19
62	Adenosinergic Depression of Glutamatergic Transmission in the Entorhinal Cortex of Juvenile Rats via Reduction of Glutamate Release Probability and the Number of Releasable Vesicles. <i>PLoS ONE</i> , 2013, 8, e62185.	2.5	19
63	Kelch-like ECH-associated Protein 1-dependent Nuclear Factor-E2â€“related Factor 2 Activation in Relation to Antioxidation Induced by Sevoflurane Preconditioning. <i>Anesthesiology</i> , 2017, 126, 507-521.	2.5	19
64	Monitoring the Depth of Anesthesia Through the Use of Cerebral Hemodynamic Measurements Based on Sample Entropy Algorithm. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 807-816.	4.2	19
65	Acupoint Sensitization is Associated with Increased Excitability and Hyperpolarization-Activated Current (I <sub>h</sub> ) in C- But Not A $\beta$ -Type Neurons. <i>Neuroscience</i> , 2019, 404, 499-509.	2.3	18
66	Long-term depression induced by endogenous cannabinoids produces neuroprotection via astroglial CB <sub>1</sub> R after stroke in rodents. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1122-1137.	4.3	18
67	Neural Substrates for the Regulation of Sleep and General Anesthesia. <i>Current Neuropharmacology</i> , 2022, 20, 72-84.	2.9	18
68	Electroacupuncture improves orthostatic tolerance in healthy individuals via improving cardiac function and activating the sympathetic system. <i>Europace</i> , 2013, 15, 127-134.	1.7	16
69	The Role of SUMO-Conjugating Enzyme Ubc9 in the Neuroprotection of Isoflurane Preconditioning Against Ischemic Neuronal Injury. <i>Molecular Neurobiology</i> , 2015, 51, 1221-1231.	4.0	16
70	An MD2-perturbing peptide has therapeutic effects in rodent and rhesus monkey models of stroke. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	16
71	Bombesin facilitates GABAergic transmission and depresses epileptiform activity in the entorhinal cortex. <i>Hippocampus</i> , 2014, 24, 21-31.	1.9	15
72	Neurotensinergic augmentation of glutamate release at the perforant path-granule cell synapse in rat dentate gyrus: Roles of L-Type Ca <sup>2+</sup> channels, calmodulin and myosin light-chain kinase. <i>Neuropharmacology</i> , 2015, 95, 252-260.	4.1	15

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73	Inhibition of chemokine CX3CL1 in spinal cord mediates the electroacupuncture-induced suppression of inflammatory pain. <i>Journal of Pain Research</i> , 2019, Volume 12, 2663-2672.	2.0	15
74	MD2 contributes to the pathogenesis of perioperative neurocognitive disorder via the regulation of $\gamma$ -aminobutyric acid receptors in aged mice. <i>Journal of Neuroinflammation</i> , 2021, 18, 204.	7.2	15
75	TREK1 activation mediates spinal cord ischemic tolerance induced by isoflurane preconditioning in rats. <i>Neuroscience Letters</i> , 2012, 515, 115-120.	2.1	13
76	Depression of neuronal excitability and epileptic activities by group II metabotropic glutamate receptors in the medial entorhinal cortex. <i>Hippocampus</i> , 2015, 25, 1299-1313.	1.9	13
77	Neuroprotective Autophagic Flux Induced by Hyperbaric Oxygen Preconditioning is Mediated by Cystatin C. <i>Neuroscience Bulletin</i> , 2019, 35, 336-346.	2.9	13
78	Inhibition of Notch Signaling Protects Mouse Lung Against Zymosan-Induced Injury. <i>Shock</i> , 2013, 40, 312-319.	2.1	12
79	Different Propofol, Remifentanyl or Sevoflurane Bispectral Index Levels for Electroencephalographic Spike Identification during Epilepsy Surgery. <i>Anesthesiology</i> , 2013, 119, 582-592.	2.5	12
80	Tumour necrosis factor- $\alpha$ inhibition with lenalidomide alleviates tissue oxidative injury and apoptosis in obese mice. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 489-501.	1.9	12
81	Major complications of regional anesthesia in 11 teaching hospitals of China: a prospective survey of 106,569 cases. <i>Journal of Clinical Anesthesia</i> , 2016, 31, 154-161.	1.6	11
82	TREK-2 Mediates the Neuroprotective Effect of Isoflurane Preconditioning Against Acute Cerebral Ischemia in the Rat. <i>Rejuvenation Research</i> , 2019, 22, 325-334.	1.8	11
83	Activation of Orexinergic Neurons Inhibits the Anesthetic Effect of Desflurane on Consciousness State via Paraventricular Thalamic Nucleus in Rats. <i>Anesthesia and Analgesia</i> , 2021, 133, 781-793.	2.2	11
84	GAPDH/Siah1 cascade is involved in traumatic spinal cord injury and could be attenuated by sivelestat sodium. <i>Neuroscience</i> , 2016, 330, 171-180.	2.3	10
85	Comparative Evaluation of a New Depth of Anesthesia Index in ConView® System and the Bispectral Index during Total Intravenous Anesthesia: A Multicenter Clinical Trial. <i>BioMed Research International</i> , 2019, 2019, 1-7.	1.9	10
86	Regulatory T Cells Are Protective in Systemic Inflammation Response Syndrome Induced by Zymosan in Mice. <i>PLoS ONE</i> , 2013, 8, e64397.	2.5	10
87	Integrated wall stress: a new methodological approach to assess ventricular workload and myocardial contractile reserve. <i>Journal of Translational Medicine</i> , 2013, 11, 183.	4.4	9
88	Neurotensin Excitation of Dentate Gyrus Granule Cells via $G_{i/o}$ -Coupled Inhibition of TASK-3 Channels. <i>Cerebral Cortex</i> , 2016, 26, 977-990.	2.9	9
89	Activation of Cholinergic Anti-Inflammatory Pathway Contributes to the Protective Effects of 100% Oxygen Inhalation on Zymosan-Induced Generalized Inflammation in Mice. <i>Journal of Surgical Research</i> , 2012, 174, e75-e83.	1.6	8
90	Reduction of Orexin-A is Responsible for Prolonged Emergence of the Rat Subjected to Sleep Deprivation from Isoflurane Anesthesia. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 298-300.	3.9	8

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91	Dynamic Variations in Brain Glycogen are Involved in Modulating Isoflurane Anesthesia in Mice. <i>Neuroscience Bulletin</i> , 2020, 36, 1513-1523.	2.9	8
92	Orexin-1 receptor is involved in ageing-related delayed emergence from general anaesthesia in rats. <i>British Journal of Anaesthesia</i> , 2018, 121, 1097-1104.	3.4	7
93	Spinal Cord Glycine Transporter 2 Mediates Bilateral ST35 Acupoints Sensitization in Rats with Knee Osteoarthritis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-17.	1.2	7
94	A Clinical Practice Guideline for the Emergency Management of Anaphylaxis (2020). <i>Frontiers in Pharmacology</i> , 2022, 13, 845689.	3.5	7
95	Neuronostatin Attenuates Myocardial Contractile Function through Inhibition of Sarcoplasmic Reticulum Ca <sup>2+</sup> -ATPase in Murine Heart. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 1921-1932.	1.6	6
96	Î²2-Adrenergic Receptor Antagonist Butoxamine Partly Abolishes the Protection of 100% Oxygen Treatment Against Zymosan-Induced Generalized Inflammation in Mice. <i>Shock</i> , 2011, 36, 272-278.	2.1	4
97	Location matters: Overlooked ethnic/geographic effect in China and Austria on propofol/cisatracurium sex differences among a population pharmacokinetic/pharmacodynamic (PopPK/PD) covariate analysis in men, women, and one transgender subject. <i>Fundamental and Clinical Pharmacology</i> , 2022, 36, 182-198.	1.9	4
98	Estrogen Receptor-A in Medial Preoptic Area Contributes to Sex Difference of Mice in Response to Sevoflurane Anesthesia. <i>Neuroscience Bulletin</i> , 2022, 38, 703-719.	2.9	4
99	Intracerebroventricular injection of human prostatic acid phosphatase has potent neuroprotective effects against transient focal cerebral ischemia in rats. <i>Neuroscience Letters</i> , 2011, 504, 321-324.	2.1	3
100	Elevated Expression of Carboxy-Terminal Modulator Protein (CTMP) Aggravates Brain Ischemic Injury in Diabetic db/db Mice. <i>Neurochemical Research</i> , 2016, 41, 2179-2189.	3.3	3
101	Surgery Under General Anesthesia Alleviated the Hyperactivity but Had No Effect on the Susceptibility to PND in ADHD Rats. <i>Frontiers in Psychiatry</i> , 2019, 10, 642.	2.6	3
102	Effect of physical exercise on young anesthesiologists with on-call-related fatigue. <i>Psychology, Health and Medicine</i> , 2019, 24, 1055-1062.	2.4	3
103	Pregnancy and COVID-19: what anesthesiologists should know. <i>Minerva Anestesiologica</i> , 2021, 87, 77-84.	1.0	3
104	Esketamine increases neurotransmitter releases but simplifies neurotransmitter networks in mouse prefrontal cortex. <i>Journal of Neurophysiology</i> , 2022, 127, 586-595.	1.8	3
105	A role of prefrontal cortico-hypothalamic projections in wake promotion. <i>Cerebral Cortex</i> , 2023, 33, 3026-3042.	2.9	3
106	Langerhans cell histiocytosis presenting as a multi-system disorder in an infant. <i>International Journal of Dermatology</i> , 2012, 51, 709-712.	1.0	1
107	Age progression from vicenarians (20-29-year) to nonagenarians (90-99-year) among a population pharmacokinetic/pharmacodynamic (PopPk-PD) covariate analysis of propofol-bispectral index (BIS) electroencephalography. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2020, 47, 145-161.	1.8	1
108	Transient aphasia following general anesthesia in patient undergoing laparoscopic gynecologic surgery: A case report and literature review. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, 634-637.	0.5	0

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109	Editorial: Behaviors and Neural Circuits in Sleep and Sedation. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	0