

Ji-Sheng Han

List of Publications by Year in descending order

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110
papers

6,537
citations

76326

40
h-index

66911

78
g-index

119
all docs

119
docs citations

119
times ranked

3944
citing authors

#	ARTICLE	IF	CITATIONS
1	Acupuncture: neuropeptide release produced by electrical stimulation of different frequencies. Trends in Neurosciences, 2003, 26, 17-22.	8.6	881
2	Acupuncture and endorphins. Neuroscience Letters, 2004, 361, 258-261.	2.1	662
3	Electroacupuncture: mechanisms and clinical application. Biological Psychiatry, 1998, 44, 129-138.	1.3	612
4	Acupuncture analgesia: Areas of consensus and controversy. Pain, 2011, 152, S41-S48.	4.2	237
5	Bidirectional modulatory effect of orphanin FQ on morphine-induced analgesia: antagonism in brain and potentiation in spinal cord of the rat. British Journal of Pharmacology, 1997, 120, 676-680.	5.4	215
6	Analgesia induced by electroacupuncture of different frequencies is mediated by different types of opioid receptors: another cross-tolerance study. Behavioural Brain Research, 1992, 47, 143-149.	2.2	189
7	Prevalence of Autism Spectrum Disorder in China: A Nationwide Multi-center Population-based Study Among Children Aged 6 to 12 Years. Neuroscience Bulletin, 2020, 36, 961-971.	2.9	179
8	Global trends and performances of acupuncture research. Neuroscience and Biobehavioral Reviews, 2011, 35, 680-687.	6.1	158
9	Endomorphin-1 mediates 2 Hz but not 100 Hz electroacupuncture analgesia in the rat. Neuroscience Letters, 1999, 274, 75-78.	2.1	137
10	All three types of opioid receptors in the spinal cord are important for 2/15 Hz electroacupuncture analgesia. European Journal of Pharmacology, 1992, 211, 203-210.	3.5	124
11	Cholecystokinin octapeptide antagonized opioid analgesia mediated by δ - and κ - but not μ -receptors in the spinal cord of the rat. Brain Research, 1990, 523, 5-10.	2.2	113
12	Modification by Cholecystokinin Octapeptide of the Binding of μ -, δ -, and κ -Opioid Receptors. Journal of Neurochemistry, 1990, 55, 1379-1382.	3.9	111
13	Long-term synaptic plasticity in the spinal dorsal horn and its modulation by electroacupuncture in rats with neuropathic pain. Experimental Neurology, 2007, 208, 323-332.	4.1	111
14	Dynorphin: Important mediator for electroacupuncture analgesia in the spinal cord of the rabbit. Pain, 1984, 18, 367-376.	4.2	109
15	Dynorphin: Potent analgesic effect in spinal cord of the rat. Life Sciences, 1982, 31, 1781-1784.	4.3	106
16	Comparison of the Antinociceptive Effects Induced by Electroacupuncture and Transcutaneous Electrical Nerve Stimulation in the Rat. International Journal of Neuroscience, 1992, 65, 117-129.	1.6	97
17	Cholecystokinin antisense RNA increases the analgesic effect induced by electroacupuncture or low dose morphine: conversion of low responder rats into high responders. Pain, 1997, 71, 71-80.	4.2	97
18	Is cholecystokinin octapeptide (CCK-8) a candidate for endogenous antiopioid substrates?. Neuropeptides, 1985, 5, 399-402.	2.2	96

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19	Accelerated expression of cholecystokinin gene in the brain of rats rendered tolerant to morphine. <i>NeuroReport</i> , 1992, 3, 1121-1123.	1.2	96
20	The arcuate nucleus of hypothalamus mediates low but not high frequency electroacupuncture analgesia in rats. <i>Brain Research</i> , 1990, 513, 60-66.	2.2	87
21	Mobilization of calcium from intracellular stores as one of the mechanisms underlying the antioioid effect of cholecystokinin octapeptide. <i>Peptides</i> , 1992, 13, 947-951.	2.4	87
22	Plasma Oxytocin and Arginine-Vasopressin Levels in Children with Autism Spectrum Disorder in China: Associations with Symptoms. <i>Neuroscience Bulletin</i> , 2016, 32, 423-432.	2.9	77
23	Cholecystokinin gene expression in rat amygdaloid neurons: normal distribution and effect of morphine tolerance. <i>Molecular Brain Research</i> , 1994, 21, 183-189.	2.3	76
24	Cholecystokinin octapeptide reverses the $\hat{\mu}$ -opioid-receptor-mediated depression of calcium current in rat dorsal root ganglion neurons. <i>Brain Research</i> , 1996, 730, 207-211.	2.2	71
25	Suppression of morphine withdrawal by electroacupuncture in rats: dynorphin and $\hat{\mu}$ -opioid receptor implicated. <i>Brain Research</i> , 1999, 851, 290-296.	2.2	68
26	Endogenous orphanin FQ: evidence for a role in the modulation of electroacupuncture analgesia and the development of tolerance to analgesia produced by morphine and electroacupuncture. <i>British Journal of Pharmacology</i> , 1998, 124, 21-26.	5.4	67
27	Peripheral electrical stimulation reversed the cell size reduction and increased BDNF level in the ventral tegmental area in chronic morphine-treated rats. <i>Brain Research</i> , 2007, 1182, 90-98.	2.2	61
28	Use of electroacupuncture and transcutaneous electrical acupoint stimulation in reproductive medicine: a group consensus. <i>Journal of Zhejiang University: Science B</i> , 2017, 18, 186-193.	2.8	60
29	Prenatal hyperandrogenic environment induced autistic-like behavior in rat offspring. <i>Physiology and Behavior</i> , 2015, 138, 13-20.	2.1	56
30	Modulation of cold pain in human brain by electric acupoint stimulation: evidence from fMRI. <i>NeuroReport</i> , 2003, 14, 1591-1596.	1.2	55
31	Genes Related to Oxytocin and Arginine-Vasopressin Pathways: Associations with Autism Spectrum Disorders. <i>Neuroscience Bulletin</i> , 2017, 33, 238-246.	2.9	55
32	Neonatal Oxytocin Treatment Ameliorates Autistic-Like Behaviors and Oxytocin Deficiency in Valproic Acid-Induced Rat Model of Autism. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 355.	3.7	55
33	Analgesia induced by intrathecal injection of dynorphin B in the rat. <i>Life Sciences</i> , 1984, 34, 1573-1579.	4.3	50
34	The effect of genotype on sensitivity to electroacupuncture analgesia. <i>Pain</i> , 2001, 91, 5-13.	4.2	50
35	Transcutaneous electrical acupoint stimulation in children with autism and its impact on plasma levels of arginine-vasopressin and oxytocin: A prospective single-blinded controlled study. <i>Research in Developmental Disabilities</i> , 2012, 33, 1136-1146.	2.2	49
36	Chapter 25 Cholecystokinin octapeptide (CCK-8): a negative feedback control mechanism for opioid analgesia. <i>Progress in Brain Research</i> , 1995, 105, 263-271.	1.4	48

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37	NAc Shell Arc/Arg3.1 Protein Mediates Reconsolidation of Morphine CPP by Increased GluR1 Cell Surface Expression: Activation of ERK-Coupled CREB is Required. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv030.	2.1	48
38	Manipulation of and Sustained Effects on the Human Brain Induced by Different Modalities of Acupuncture: An fMRI Study. <i>PLoS ONE</i> , 2013, 8, e66815.	2.5	46
39	The role of periaqueductal gray in mediation of analgesia produced by different frequencies electroacupuncture stimulation in rats. <i>International Journal of Neuroscience</i> , 1990, 53, 167-172.	1.6	42
40	Morphine-induced conditioned place preference in rats is inhibited by electroacupuncture at 2ÂHz: Role of enkephalin in the nucleus accumbens. <i>Neuropharmacology</i> , 2010, 58, 233-240.	4.1	42
41	Mothers of Autistic Children: Lower Plasma Levels of Oxytocin and Arg-Vasopressin and a Higher Level of Testosterone. <i>PLoS ONE</i> , 2013, 8, e74849.	2.5	42
42	A mesolimbic neuronal loop of analgesia: I. Activation by morphine of a serotonergic pathway from periaqueductal gray to nucleus accumbens. <i>International Journal of Neuroscience</i> , 1986, 29, 109-117.	1.6	39
43	Suppression of neuropathic pain by peripheral electrical stimulation in rats: μ -opioid receptor and NMDA receptor implicated. <i>Experimental Neurology</i> , 2004, 187, 23-29.	4.1	39
44	Altered Behaviors and Impaired Synaptic Function in a Novel Rat Model With a Complete Shank3 Deletion. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 111.	3.7	38
45	Low- and high-frequency transcutaneous electrical acupoint stimulation induces different effects on cerebral μ -opioid receptor availability in rhesus monkeys. <i>Journal of Neuroscience Research</i> , 2014, 92, 555-563.	2.9	35
46	Habenula as a Relay in the Descending Pathway from Nucleus Accumbens to Periaqueductal Grey Subserving Antinociception. <i>International Journal of Neuroscience</i> , 1990, 54, 245-251.	1.6	33
47	A Volumetric and Functional Connectivity MRI Study of Brain Arginine-Vasopressin Pathways in Autistic Children. <i>Neuroscience Bulletin</i> , 2017, 33, 130-142.	2.9	33
48	Physiology of Acupuncture: Review of Thirty Years of Research. <i>Journal of Alternative and Complementary Medicine</i> , 1997, 3, s-101-s-108.	2.1	30
49	Reversal of Electroacupuncture Tolerance by Cck-8 Antiserum: An Electrophysiological Study on Pain-Related Neurons in Nucleus Parafascicularis of the Rat. <i>International Journal of Neuroscience</i> , 1993, 72, 15-29.	1.6	29
50	Decreased dynorphin A (1-17) in the spinal cord of spastic rats after the compressive injury. <i>Brain Research Bulletin</i> , 2005, 67, 189-195.	3.0	28
51	Involvement of Arcuate Nucleus of Hypothalamus in the Descending Pathway from Nucleus Accumbens to Periaqueductal Grey Subserving an Antinociceptive Effect. <i>International Journal of Neuroscience</i> , 1989, 48, 71-78.	1.6	25
52	Electroacupuncture frequency-related transcriptional response in rat arcuate nucleus revealed region-distinctive changes in response to low- and high-frequency electroacupuncture. <i>Journal of Neuroscience Research</i> , 2012, 90, 1464-1473.	2.9	25
53	Thirty minute transcutaneous electric acupoint stimulation modulates resting state brain activities: A perfusion and BOLD fMRI study. <i>Brain Research</i> , 2012, 1457, 13-25.	2.2	25
54	Heteromerization of μ -opioid receptor and cholecystokinin B receptor through the third transmembrane domain of the μ -opioid receptor contributes to the anti-opioid effects of cholecystokinin octapeptide. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-16.	7.7	24

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55	Electro-acupuncture improves the social interaction behavior of rats. <i>Physiology and Behavior</i> , 2015, 151, 485-493.	2.1	23
56	Synergistic effect of cholecystokinin octapeptide and angiotensin II in reversal of morphine induced analgesia in rats. <i>Pain</i> , 2000, 85, 465-469.	4.2	18
57	Acupuncture and Stimulation Produced Analgesia. <i>Handbook of Experimental Pharmacology</i> , 1993, , 105-125.	1.8	18
58	Transcutaneous Electrical Acupoint Stimulation in Early Life Changes Synaptic Plasticity and Improves Symptoms in a Valproic Acid-Induced Rat Model of Autism. <i>Neural Plasticity</i> , 2020, 2020, 1-14.	2.2	18
59	Analgesic electrical stimulation of the hypothalamic arcuate nucleus: tolerance and its cross-tolerance to 2 Hz or 100 Hz electroacupuncture. <i>Brain Research</i> , 1990, 518, 40-46.	2.2	16
60	Electroacupuncture Accelerated the Expression of C-Fos Protooncogene in Serotonergic Neurons of Nucleus. <i>International Journal of Neuroscience</i> , 1992, 67, 111-117.	1.6	16
61	Electroacupuncture Facilitates Recovery of Male Sexual Behavior in Morphine Withdrawal Rats. <i>Neurochemical Research</i> , 2004, 29, 397-401.	3.3	16
62	Electroacupuncture Reduces Voluntary Alcohol Intake in Alcohol-preferring Rats via an Opiate-sensitive Mechanism. <i>Neurochemical Research</i> , 2008, 33, 2166-2170.	3.3	16
63	Effects of chronic restraint stress on social behaviors and the number of hypothalamic oxytocin neurons in male rats. <i>Neuropeptides</i> , 2016, 60, 21-28.	2.2	16
64	Responses of Primary Afferent Fibers to Acupuncture-Like Peripheral Stimulation at Different Frequencies: Characterization by Single-Unit Recording in Rats. <i>Neuroscience Bulletin</i> , 2020, 36, 907-918.	2.9	16
65	Diencephalon as a cardinal neural structure for mediating 2 Hz- but not 100 Hz-electroacupuncture-induced tail flick reflex suppression. <i>Behavioural Brain Research</i> , 1990, 37, 149-156.	2.2	15
66	Coding of peripheral electrical stimulation frequency in thalamocortical pathways. <i>Experimental Neurology</i> , 2005, 196, 138-152.	4.1	15
67	Transcutaneous Electrical Acupoint Stimulation for the Treatment of Withdrawal Syndrome in Heroin Addicts. <i>Pain Medicine</i> , 2015, 16, 839-848.	1.9	15
68	Antinociception Produced by 2 and 5 kHz Peripheral Stimulation in the Rat. <i>International Journal of Neuroscience</i> , 1992, 64, 15-22.	1.6	14
69	The Role of the Oxytocin/Arginine Vasopressin System in Animal Models of Autism Spectrum Disorder. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2017, 224, 135-158.	1.6	14
70	Electroacupuncture Accelerated the Expression of C-Fos Protooncogene in Dopaminergic Neurons in the Ventral Tegmental Area of the Rat. <i>International Journal of Neuroscience</i> , 1993, 70, 217-222.	1.6	13
71	Induction of C-Fos Expression in the Rostral Medulla of Rats Following Electroacupuncture Stimulation. <i>International Journal of Neuroscience</i> , 1993, 72, 183-191.	1.6	13
72	Differences in Neural-Immune Gene Expression Response in Rat Spinal Dorsal Horn Correlates with Variations in Electroacupuncture Analgesia. <i>PLoS ONE</i> , 2012, 7, e42331.	2.5	13

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73	Chinese children with autism: A multiple chemical elements profile in erythrocytes. <i>Autism Research</i> , 2018, 11, 834-845.	3.8	13
74	Orphanin FQ Antagonizes the Inhibition of Ca ²⁺ Currents Induced by μ -Opioid Receptors. <i>Journal of Molecular Neuroscience</i> , 2005, 25, 021-028.	2.3	12
75	Peripheral electrical stimulation-induced suppression of morphine-induced CCP in rats: A role for dopamine in the nucleus accumbens. <i>Brain Research</i> , 2008, 1212, 63-70.	2.2	12
76	Acupuncture-related techniques for the treatment of opiate addiction: a case of translational medicine. <i>Frontiers of Medicine</i> , 2011, 5, 141-150.	3.4	12
77	Development of an Autism Subtyping Questionnaire Based on Social Behaviors. <i>Neuroscience Bulletin</i> , 2018, 34, 789-800.	2.9	12
78	Catechol-O-methyltransferase polymorphisms do not play a significant role in pain perception in male Chinese Han population. <i>Physiological Genomics</i> , 2012, 44, 318-328.	2.3	11
79	Genomewide Analysis of Rat Periaqueductal Gray-Dorsal Horn Reveals Time-, Region- and Frequency-Specific mRNA Expression Changes in Response to Electroacupuncture Stimulation. <i>Scientific Reports</i> , 2014, 4, 6713.	3.3	11
80	Postnatal AVP treatments prevent social deficit in adolescence of valproic acid-induced rat autism model. <i>Peptides</i> , 2021, 137, 170493.	2.4	9
81	Changes in the Content of Immunoreactive Dynorphin in Dorsal and Ventral Spinal Cord of the Rat in three Different Conditions. <i>International Journal of Neuroscience</i> , 1995, 82, 95-104.	1.6	8
82	Relationship between the analgesic effect of electroacupuncture and CCK-8 content in spinal perfusate in rats. <i>Science Bulletin</i> , 1999, 44, 240-243.	1.7	8
83	NIH 3T3 cells or engineered NIH 3T3 cells stably expressing GDNF can protect primary dopaminergic neurons. <i>Neurological Research</i> , 2000, 22, 538-544.	1.3	8
84	Electroacupuncture of 2 μ Hz Has a Rewarding Effect: Evidence from a Conditioned Place Preference Study in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-6.	1.2	8
85	Association Between Essential Metal Elements and the Risk of Autism in Chinese Han Population. <i>Biological Trace Element Research</i> , 2022, 200, 505-515.	3.5	8
86	Comparative Study of the Analgesic and Paralytic Effects Induced by Intrathecal Dynorphin a in Rats. <i>International Journal of Neuroscience</i> , 1995, 82, 83-93.	1.6	7
87	Cholecystokinin Octapeptide Reverses the Inhibitory Effect Induced by Electroacupuncture on C-Fiber Evoked Discharges. <i>International Journal of Neuroscience</i> , 1996, 86, 241-247.	1.6	7
88	Acupuncture Research Is Part of My Life. <i>Pain Medicine</i> , 2009, 10, 611-618.	1.9	7
89	Damage of Splenic T Lymphocyte Proliferation and Differentiation and Its Normalization by Electroacupuncture in Morphine-Dependent Mice Mode. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-5.	1.2	7
90	Tolerance to Electroacupuncture Analgesia was Reversed by Microinjection of 5-Hydroxytryptophan into Nuclei Accumbens in the Rabbit. <i>International Journal of Neuroscience</i> , 1982, 17, 157-161.	1.6	6

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91	Involvement of Opioid Peptides in the Analgesic Effect of Spinal Cord Stimulation in a Rat Model of Neuropathic Pain. <i>Neuroscience Bulletin</i> , 2022, 38, 403-416.	2.9	6
92	Cholecystokinin (CCK): Negative feedback control for opioid analgesia. <i>Behavioral and Brain Sciences</i> , 1997, 20, 451-451.	0.7	5
93	Effects of Capsaicin on Fos Expression Evoked by Formalin and Electroacupuncture Stimulation in the Rat Spinal Cord. <i>Pain Research</i> , 1994, 9, 37-47.	0.1	5
94	The Neuroscience Research Institute at Peking University: A Place for the Solution of Pain and Drug Abuse. <i>Cellular and Molecular Neurobiology</i> , 2008, 28, 13-19.	3.3	4
95	Effect of Acupoint Hot Compress on Postpartum Urinary Retention After Vaginal Delivery. <i>JAMA Network Open</i> , 2022, 5, e2213261.	5.9	4
96	Peptide antagonist of delta-opioid receptor attenuates inhibition of spinal nociceptive reflex induced by stimulation of arcuate nucleus of the hypothalamus. <i>Peptides</i> , 1990, 11, 1045-1047.	2.4	3
97	Brief Communication: Intrathecally Injected Antibody Can Diffuse Into Spinal Cord. <i>International Journal of Neuroscience</i> , 1992, 65, 155-159.	1.6	3
98	GDNF cDNA-engineered NIH 3T3 cells protect primary dopaminergic neurons. <i>Science Bulletin</i> , 1997, 42, 1921-1925.	1.7	3
99	Over-expression of the GluN2B subunit in the forebrain facilitates the acquisition of morphine-related positive and aversive memory in rats. <i>Behavioural Brain Research</i> , 2016, 311, 416-424.	2.2	3
100	A Proposal to Add a New Dedicated Chapter in ICD-11: Disorders Related to Chronic Pain. <i>Pain Medicine</i> , 2020, 21, 436-438.	1.9	3
101	Pain Relief during Oocyte Retrieval by Transcutaneous Electrical Acupoint Stimulation: A Single-Blinded, Randomized, Controlled Multicenter Trial. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-8.	1.2	2
102	Scientific study may pave the way for the use of acupuncture in pain medicine. <i>APS Journal</i> , 1994, 3, 92-95.	0.2	1
103	Electro-acupuncture-mediated gene transfer. <i>Science in China Series C: Life Sciences</i> , 1998, 41, 555-560.	1.3	1
104	Study for the mechanisms of acupuncture analgesia. , 1995, 1, 63-67.		1
105	Effect of nocistatin in pain modulation. <i>Science Bulletin</i> , 2000, 45, 716-720.	1.7	0
106	Introduction. <i>Cellular and Molecular Neurobiology</i> , 2008, 28, 5-7.	3.3	0
107	Antioioid Peptides. , 2013, , 1543-1549.		0
108	The salience of competing nonsocial objects reduces gaze toward social stimuli, but not the eyes, more in typically developing than autistic boys. <i>Autism Research</i> , 2022, , .	3.8	0

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109	From acupuncture analgesia to Heroin Detoxification. , 1997, 3, 311-312.		0
110	Oxytocin and arginine vasopressin: a bridge between acupuncture and autism spectrum disorder. Medical Review, 2022, .	1.2	0