

Guanghong Ding

List of Publications by Year in descending order

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56
papers

1,313
citations

394421

19
h-index

377865

34
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58
all docs

58
docs citations

58
times ranked

1352
citing authors

#	ARTICLE	IF	CITATIONS
1	Mast Cell Degranulation and Adenosine Release: Acupoint Specificity for Effect of Electroacupuncture on Pituitrin-Induced Acute Heart Bradycardia in Rabbits. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-15.	1.2	4
2	Mechanical effects of acupuncture. Mathematical Methods in the Applied Sciences, 2020, 43, 1555-1564.	2.3	5
3	$\hat{\mu}$ -Opioid Receptor Activation Attenuates the Oligomer Formation Induced by Hypoxia and/or $\hat{\mu}$ -Synuclein Overexpression/Mutation Through Dual Signaling Pathways. Molecular Neurobiology, 2019, 56, 3463-3475.	4.0	22
4	A Mathematical Model to Study the Mechanical Information Induced by Lifting-Thrusting Needle. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-13.	1.2	2
5	Real-time analysis of ATP concentration in acupoints during acupuncture: a new technique combining microdialysis with patch clamp. Journal of Biological Engineering, 2019, 13, 93.	4.7	4
6	Effect of herb-partitioned moxibustion on dopamine levels and dopamine receptor 1 expression in the colon and central nervous system in rats with Crohn's disease. Journal of Traditional Chinese Medicine, 2019, 39, 356-363.	0.2	2
7	Numerical Investigation of the Effect of Additional Pulmonary Blood Flow on Patient-Specific Bilateral Bidirectional Glenn Hemodynamics. Cardiovascular Engineering and Technology, 2018, 9, 193-201.	1.6	5
8	Critical roles of TRPV2 channels, histamine H1 and adenosine A1 receptors in the initiation of acupoint signals for acupuncture analgesia. Scientific Reports, 2018, 8, 6523.	3.3	62
9	Neuroprotection Against Hypoxic/Ischemic Injury: $\hat{\mu}$ -Opioid Receptors and BDNF-TrkB Pathway. Cellular Physiology and Biochemistry, 2018, 47, 302-315.	1.6	37
10	Mast Cells and Nerve Signal Conduction in Acupuncture. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-9.	1.2	17
11	A hybrid method to study the mechanical information induced by needle rotating. Mathematical Methods in the Applied Sciences, 2018, 41, 5939-5950.	2.3	6
12	Dynamical study of \mathbf{Na}_v channel excitability under mechanical stress. Biological Cybernetics, 2017, 111, 129-148.	1.3	2
13	PARAMETER ANALYSIS OF 2D COCHLEAR MODEL AND QUANTITATIVE RESEARCH ON THE TRAVELING WAVE PROPAGATION. Journal of Mechanics in Medicine and Biology, 2017, 17, 1750033.	0.7	2
14	A mathematical model of histamine-mediated neural activation during acupuncture. Biomechanics and Modeling in Mechanobiology, 2017, 16, 1659-1668.	2.8	4
15	Mast cell activation in the acupoint is important for the electroacupuncture effect against pituitrin-induced bradycardia in rabbits. Scientific Reports, 2017, 7, 9040.	3.3	14
16	Effect of warming moxibustion Tianshu (ST 25, bilateral) and Qihai (CV 6) for the treatment of diarrhea-dominant irritable bowel syndrome: a patient-blinded pilot trial with orthogonal design. Journal of Traditional Chinese Medicine, 2017, 37, 538-545.	0.2	0
17	Human behavioral assessments in current research of Parkinson's disease. Neuroscience and Biobehavioral Reviews, 2016, 68, 741-772.	6.1	58
18	Animal behavioral assessments in current research of Parkinson's disease. Neuroscience and Biobehavioral Reviews, 2016, 65, 63-94.	6.1	63

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19	Dynamics of Calcium Signal and Leukotriene C ₄ Release in Mast Cells Network Induced by Mechanical Stimuli and Modulated by Interstitial Fluid Flow. <i>Advances in Applied Mathematics and Mechanics</i> , 2016, 8, 67-81.	1.2	8
20	Attenuating Ischemic Disruption of K ⁺ Homeostasis in the Cortex of Hypoxic-Ischemic Neonatal Rats: DOR Activation vs. Acupuncture Treatment. <i>Molecular Neurobiology</i> , 2016, 53, 7213-7227.	4.0	13
21	A Mathematical Model for the Instigation and Transmission of Biological and Neural Signals in Response to Acupuncture. <i>Communications in Computational Physics</i> , 2015, 18, 868-880.	1.7	3
22	Moxibustion and Acupuncture Ameliorate Crohn's Disease by Regulating the Balance between Th17 and Treg Cells in the Intestinal Mucosa. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-11.	1.2	29
23	Mast Cell-Nerve Cell Interaction at Acupoint: Modeling Mechanotransduction Pathway Induced by Acupuncture. <i>International Journal of Biological Sciences</i> , 2014, 10, 511-519.	6.4	44
24	Non-pharmaceutical therapies for stroke: Mechanisms and clinical implications. <i>Progress in Neurobiology</i> , 2014, 115, 246-269.	5.7	73
25	A dynamic model of calcium signaling in mast cells and LTC ₄ release induced by mechanical stimuli. <i>Science Bulletin</i> , 2014, 59, 956-963.	1.7	8
26	Finite element models and molecular dynamic simulations for studying the response of mast cell under mechanical activation. <i>Science Bulletin</i> , 2014, 59, 3562-3572.	1.7	0
27	Mechanisms of Qi-blood circulation and Qi deficiency syndrome in view of blood and interstitial fluid circulation. <i>Journal of Traditional Chinese Medicine = Chung I Tsa Chih Ying Wen Pan / Sponsored By All-China Association of Traditional Chinese Medicine, Academy of Traditional Chinese Medicine</i> , 2013, 33, 538-544.	0.4	28
28	Studies on sensitivity to tension and gating pathway of Mscl by molecular dynamic simulation. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2013, 29, 256-266.	3.4	3
29	Simulation of Interstitial Fluid Flow in Ligaments: Comparison among Stokes, Brinkman and Darcy Models. <i>International Journal of Biological Sciences</i> , 2013, 9, 1050-1056.	6.4	15
30	Function of Collagen and Mast Cells in Acupuncture Points. , 2013, , 53-87.		8
31	Interstitial Fluid Flow: The Mechanical Environment of Cells and Foundation of Meridians. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-9.	1.2	63
32	Effects of Parent Artery Segmentation and Aneurismalwall Elasticity on Patient-Specific Hemodynamic Simulations. <i>Journal of Hydrodynamics</i> , 2011, 23, 660-668.	3.2	7
33	Hemodynamic performance of coil embolization and stentassisted coil embolization treatments: a numerical comparative study based on subject-specific models of cerebral aneurysms. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 2053-2063.	5.1	5
34	High Shear Stress and Flow Velocity in Partially Occluded Aneurysms Prone to Recanalization. <i>Stroke</i> , 2011, 42, 745-753.	2.0	113
35	Computational haemodynamics in two idealised cerebral wide-necked aneurysms after stent placement. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2011, 14, 927-937.	1.6	15
36	Single-channel properties of a stretch-sensitive chloride channel in the human mast cell line HMC-1. <i>European Biophysics Journal</i> , 2010, 39, 757-767.	2.2	31

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37	Validating a Nonacupoint Sham Control for Laser Treatment of Knee Osteoarthritis. <i>Photomedicine and Laser Surgery</i> , 2010, 28, 351-356.	2.0	19
38	Do acupuncture points exist?. <i>Physics in Medicine and Biology</i> , 2009, 54, N143-N150.	3.0	34
39	Role of Collagen Fibers in Acupuncture Analgesia Therapy on Rats. <i>Connective Tissue Research</i> , 2009, 50, 110-120.	2.3	55
40	Infrared Radiation Spectrum of Acupuncture Point Daling (PC 7) in Patients With Coronary Heart Disease. <i>Medical Acupuncture</i> , 2009, 21, 269-274.	0.6	2
41	Effect of combined laser acupuncture on knee osteoarthritis: a pilot study. <i>Lasers in Medical Science</i> , 2009, 24, 129-136.	2.1	55
42	Can a carbon dioxide laser substitute for moxibustion?. <i>Lasers in Medical Science</i> , 2009, 24, 291-292.	2.1	2
43	The effect of aneurismal-wall mechanical properties on patient-specific hemodynamic simulations: two clinical case reports. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 677-688.	3.4	12
44	$\hat{\mu}$ -Opioid receptors protect from anoxic disruption of Na ⁺ homeostasis via Na ⁺ channel regulation. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 3505-3516.	5.4	41
45	A Linear Dynamic Model Describing Lymph Circulation. <i>Journal of Hydrodynamics</i> , 2009, 21, 118-123.	3.2	6
46	A Fluid Mechanics Model of Tissue Fluid Flow in Limb Connective Tissue—A Mechanism of Acupuncture Signal Transmission. <i>Journal of Hydrodynamics</i> , 2009, 21, 675-684.	3.2	9
47	Patient-Specific Blood Dynamic Simulations in Assessing Endovascular Occlusion of Intracranial Aneurysms. <i>Journal of Hydrodynamics</i> , 2009, 21, 271-276.	3.2	9
48	Numerical Simulation and Analysis on the Hemodynamics of an Elastic Aneurysm. <i>Journal of Hydrodynamics</i> , 2008, 20, 216-224.	3.2	13
49	Role of Mast Cells in Acupuncture Effect: A Pilot Study. <i>Explore: the Journal of Science and Healing</i> , 2008, 4, 170-177.	1.0	110
50	Infrared Radiation Spectrum of Acupuncture Point on Patients with Coronary Heart Disease. <i>The American Journal of Chinese Medicine</i> , 2008, 36, 211-218.	3.8	19
51	Study on body surface infrared radiation spectrum of points of patients with hyperplasia of mammary gland. , 2008, , .		1
52	An infrared radiation study of the biophysical characteristics of traditional moxibustion. <i>Complementary Therapies in Medicine</i> , 2006, 14, 213-219.	2.7	79
53	SARS epidemical forecast research in mathematical model. <i>Science Bulletin</i> , 2004, 49, 2332.	1.7	14
54	A MATHEMATICAL METHOD TO SOLVE THE INVERSE PROBLEM OF A HEMODYNAMICS MODEL. , 2003, , .		1

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55	Spectral characteristic of infrared radiations of some acupoint and non-acupoint areas in human arm surface. Science Bulletin, 2001, 46, 678-682.	1.7	15
56	Experimental exploration and research prospect of physical bases and functional characteristics of meridians. Science Bulletin, 1998, 43, 1233-1252.	1.7	31