Shyang Chang

List of Publications by Year
in descending order

48 papers	818 citations	430874 18 h-index	526287 27 g-index
48 all docs	48 docs citations	48 times ranked	563 citing authors

#	Article	IF	Citations
1	Effect of Auriculotherapy on the Plasma Concentration of Biomarkers in Individuals with Knee Osteoarthritis. JAMS Journal of Acupuncture and Meridian Studies, 2018, 11, 145-152.	0.7	3
2	Symptoms of long-term exposure to moxa smoke in acupuncturists: a correlation analysis. Journal of Traditional Chinese Medicine, 2018, 38, 132-138.	0.2	1
3	Regulating the Balance of Th17/Treg via Electroacupuncture and Moxibustion: An Ulcerative Colitis Mice Model Based Study. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-13.	1.2	23
4	Revealing Potential Biomarkers of Functional Dyspepsia by Combining 1H NMR Metabonomics Techniques and an Integrative Multi-objective Optimization Method. Scientific Reports, 2016, 6, 18852.	3.3	11
5	The Mechanism Of Auriculotherapy: A Case Report Based On The Fractal Structure Of Meridian System. Tropical Journal of Obstetrics and Gynaecology, 2014, 11, 30.	0.3	23
6	The meridian system and mechanism of acupuncture—A comparative review. Part 2: Mechanism of acupuncture analgesia. Taiwanese Journal of Obstetrics and Gynecology, 2013, 52, 14-24.	1.3	27
7	The meridian system and mechanism of acupuncture: A comparative review. Part 3: Mechanisms of acupuncture therapies. Taiwanese Journal of Obstetrics and Gynecology, 2013, 52, 171-184.	1.3	23
8	The meridian system and mechanism of acupuncture—A comparative review. Part 1: The meridian system. Taiwanese Journal of Obstetrics and Gynecology, 2012, 51, 506-514.	1.3	46
9	Notice of Retraction: Dynamical System Perspective on the Theoretical Foundation of Traditional Chinese Medicine. , 2011, , .		3
10	Fractional Brownian Motion in Biomedical Signal Processing, Physiology, and Modern Physics. , 2011, , .		7
11	Fractional Brownian Motion and Its Increments as Undulatory Models. , 2011, , .		2
12	The Rationale behind a Reticular Meridain Model for Chinese Acupuncture. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	7
13	Physiological Rhythms, Dynamical Diseases and Acupuncture. Chinese Journal of Physiology, 2010, 53, 77-90.	1.0	21
14	Effects of Acupuncture at Neiguan (PC 6) on Electroencephalogram. Chinese Journal of Physiology, 2009, 52, 1-7.	1.0	23
15	The Cooperative Phenomenon of Autonomic Nervous System in Urine Storage for Wistar Rats. Chinese Journal of Physiology, 2009, 52, 14-22.	1.0	9
16	The cooperative phenomenon of autonomic nervous system in urine storage for Wistar rats. Chinese Journal of Physiology, 2009, 52, 72-80.	1.0	2
17	Dynamic performance evaluation on the synergy of micturition in spinal cord-injured female rats under pharmacological effects. Chinese Journal of Physiology, 2009, 52, 81-92.	1.0	0
18	Synergic Co-activation in Forearm Pronation. Annals of Biomedical Engineering, 2008, 36, 2002-2018.	2.5	18

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19	Effects of acupuncture at Neiguan (PC 6) of the pericardial meridian on blood pressure and heart rate variability. Chinese Journal of Physiology, 2008, 51, 167-77.	1.0	16
20	Synergic co-activation of muscles in elbow flexion via fractional Brownian motion. Chinese Journal of Physiology, 2008, 51, 376-86.	1.0	7
21	Fractal Dimension Estimation Via Spectral Distribution Function and Its Application to Physiological Signals. IEEE Transactions on Biomedical Engineering, 2007, 54, 1895-1898.	4.2	24
22	Studies of the $[Cr(CN)5NO]^{3-}$ and $[Cr(NH3)5NO]^{2+}$ complex ions via density functional theory. Computational and Theoretical Chemistry, 2006, 776, 77-82.	1.5	3
23	Study of the $[Cr(H_2O)_5NO]^{2+}$ Complex via Density Functional Theory. Journal of the Chinese Chemical Society, 2005, 52, 415-420.	1.4	5
24	On the $[Fe(H2O)5XO]^{2+}$ (XC, N, O) complex ions via density functional theory. Computational and Theoretical Chemistry, 2005, 724, 209-214.	1.5	4
25	Density functional theory of the iron-nitrosyl (S = 3/2) complex. International Journal of Quantum Chemistry, 2005, 105, 511-517.	2.0	2
26	On the "Brown-Ring"Reaction Product via Density-Functional Theory.. ChemInform, 2004, 35, no.	0.0	0
27	Fractal dynamics and synchronization of rhythms in urodynamics of female Wistar rats. Journal of Neuroscience Methods, 2004, 139, 271-279.	2.5	24
28	On the "Brown-Ring"Reaction Product via Density-Functional Theory. Journal of Physical Chemistry A, 2004, 108, 358-361.	2.5	28
29	Bifurcation Analysis of the Trans â†" Cis Rotation of Monorotor Molecules. Journal of the Chinese Chemical Society, 2003, 50, 557-563.	1.4	0
30	A fast estimation algorithm on the Hurst parameter of discrete-time fractional Brownian motion. IEEE Transactions on Signal Processing, 2002, 50, 554-559.	5.3	31
31	THE ENTROPY OF DISCRETE-TIME FRACTIONAL GAUSSIAN NOISE AND ITS APPLICATION TO THE ELECTROMYOGRAM OF EXTERNAL URETHRAL SPHINCTER SIGNALS. Biomedical Engineering - Applications, Basis and Communications, 2001, 13, 256-261.	0.6	0
32	Studies of detrusor-sphincter synergia and dyssynergia during micturition in rats via fractional Brownian motion. IEEE Transactions on Biomedical Engineering, 2000, 47, 1066-1073.	4.2	37
33	Dynamical cryptography based on synchronised chaotic systems. Electronics Letters, 1999, 35, 974.	1.0	24
34	Dynamic data encryption system based on synchronised chaotic systems. Electronics Letters, 1999, 35, 271.	1.0	5
35	A minimum discrepancy estimator in parameter estimation. IEEE Transactions on Information Theory, 1998, 44, 2930-2942.	2.4	1
36	Statistical change detection with moments under time-varying illumination. IEEE Transactions on Image Processing, 1998, 7, 1258-1268.	9.8	83

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37	Learning algorithms and applications of principal component analysis. Neural Network Systems Techniques and Applications, 1998, , 321-352.	0.0	3
38	Dimension estimation of discrete-time fractional Brownian motion with applications to image texture classification. IEEE Transactions on Image Processing, 1997, 6, 1176-1184.	9.8	128
39	An adaptive learning algorithm for principal component analysis. IEEE Transactions on Neural Networks, 1995, 6, 1255-1263.	4.2	50
40	An adaptive conscientious competitive learning algorithm and its applications. Pattern Recognition, 1994, 27, 1787-1813.	8.1	7
41	Zero waiting-cycle hierarchical block matching algorithm and its array architectures. IEEE Transactions on Circuits and Systems for Video Technology, 1994, 4, 18-28.	8.3	17
42	Calculation of moment invariants via hadamard transform. Pattern Recognition, 1993, 26, 287-294.	8.1	9
43	Variable structure control of multivariable affine system. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 1993, 16, 307-321.	1.1	0
44	A new architecture for motion-compensated image coding. Pattern Recognition, 1992, 25, 357-366.	8.1	1
45	A video tracking system with adaptive predictors. Pattern Recognition, 1992, 25, 1171-1180.	8.1	38
46	A motion estimation algorithm under time-varying illumination. Pattern Recognition Letters, 1989, 10, 195-199.	4.2	11
47	Estimation of 3-D translational motion parameters via hadamard transform. Pattern Recognition Letters, 1988, 8, 341-345.	4.2	9
48	Chattering alleviation of variable structure control for a certain class of nonlinear systems. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 1988, 11, 573-579.	1.1	2