

Wen-Ran Zhang

List of Publications by Year in descending order

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41
papers

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516710

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23
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42
all docs

42
docs citations

42
times ranked

218
citing authors

#	ARTICLE	IF	CITATIONS
1	YinYang bipolar logic and bipolar fuzzy logic. Information Sciences, 2004, 165, 265-287.	6.9	156
2	YinYang Dynamic Neurobiological Modeling and Diagnostic Analysis of Major Depressive and Bipolar Disorders. IEEE Transactions on Biomedical Engineering, 2007, 54, 1729-1739.	4.2	62
3	BIPOLAR LINEAR ALGEBRA AND YINYANG-N-ELEMENT CELLULAR NETWORKS FOR EQUILIBRIUM-BASED BIOSYSTEM SIMULATION AND REGULATION. Journal of Biological Systems, 2009, 17, 547-576.	1.4	56
4	NPN fuzzy sets and NPN qualitative algebra: a computational framework for bipolar cognitive modeling and multiagent decision analysis. IEEE Transactions on Systems, Man, and Cybernetics, 1996, 26, 561-574.	5.0	51
5	Bipolar Quantum Logic Gates and Quantum Cellular Combinatorics—A Logical Extension to Quantum Entanglement. Journal of Quantum Information Science, 2013, 03, 93-105.	0.4	47
6	MentalSquares: A generic bipolar Support Vector Machine for psychiatric disorder classification, diagnostic analysis and neurobiological data mining. International Journal of Data Mining and Bioinformatics, 2011, 5, 532.	0.1	44
7	YINYANG BIPOLAR LATTICES AND L-SETS FOR BIPOLAR KNOWLEDGE FUSION, VISUALIZATION, AND DECISION. International Journal of Information Technology and Decision Making, 2005, 04, 621-645.	3.9	43
8	YINYANG BIPOLAR FUZZY SETS AND FUZZY EQUILIBRIUM RELATIONS: FOR CLUSTERING, OPTIMIZATION, AND GLOBAL REGULATION. International Journal of Information Technology and Decision Making, 2006, 05, 19-46.	3.9	40
9	Equilibrium relations and bipolar cognitive mapping for online analytical processing with applications in international relations and strategic decision support. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 295-307.	5.0	37
10	EQUILIBRIUM AND NONEQUILIBRIUM MODELING OF YINYANG WUXING FOR DIAGNOSTIC DECISION SUPPORT IN TRADITIONAL CHINESE MEDICINE. International Journal of Information Technology and Decision Making, 2009, 08, 529-548.	3.9	36
11	Causality Is Logically Definable—Toward an Equilibrium-Based Computing Paradigm of Quantum Agent and Quantum Intelligence (QAQI) (Survey and Research). Journal of Quantum Information Science, 2014, 04, 227-268.	0.4	33
12	G-CPT Symmetry of Quantum Emergence and Submergence—An Information Conservational Multiagent Cellular Automata Unification of CPT Symmetry and CP Violation for Equilibrium-Based Many-World Causal Analysis of Quantum Coherence and Decoherence. Journal of Quantum Information Science, 2016, 06, 62-97.	0.4	33
13	From Equilibrium-Based Business Intelligence to Information Conservational Quantum-Fuzzy Cryptography—A Cellular Transformation of Bipolar Fuzzy Sets to Quantum Intelligence Machinery. IEEE Transactions on Fuzzy Systems, 2018, 26, 656-669.	9.8	23
14	YINYANG BIPOLAR UNIVERSAL MODUS PONENS (BUMP) — A FUNDAMENTAL LAW OF NON-LINEAR BRAIN DYNAMICS FOR EMOTIONAL INTELLIGENCE AND MENTAL HEALTH. , 2007, , 89-95.		22
15	YinYang Bipolar Atom—An Eastern Road toward Quantum Gravity. Journal of Modern Physics, 2012, 03, 1261-1271.	0.6	21
16	YinYang Bipolar Relativity - A Unifying Theory of Nature, Agents and Life Science. , 2009, , .		19
17	YinYang bipolar dynamic logic (BDL) and equilibrium-based computational neuroscience. , 2009, , .		18
18	Six Conjectures in Quantum Physics and Computational Neuroscience. , 2009, , .		18

#	ARTICLE	IF	CITATIONS
19	A logical exposition of dirac 3-polarizer experiment and its potential impact on computational biology. , 2015, , .		17
20	YinYang bipolar dynamic organizational modeling for equilibrium-based decision analysis: Logical transformation of an indigenous philosophy to a global science. Asia Pacific Journal of Management, 2016, 33, 723-766.	4.5	17
21	Beyond Spacetime Geometryâ€”The Death of Philosophy and Its Quantum Reincarnation. Journal of Modern Physics, 2012, 03, 1272-1284.	0.6	17
22	ON TRUTH, UNCERTAINTY, EQUILIBRIUM AND HARMONY â€” A TAXONOMY FOR YINYANG SCIENTIFIC COMPUTING. New Mathematics and Natural Computation, 2008, 04, 207-229.	0.7	15
23	YinYang Bipolar Quantum Entanglement - Toward a Logically Complete Quantum Theory. , 2010, , .		13
24	Revealing the Ubiquitous Effects of Quantum Entanglementâ€”Toward a Notion of God Logic. Journal of Quantum Information Science, 2013, 03, 143-153.	0.4	11
25	Programming the mind and decrypting the universe â€” A bipolar quantum-neuro-fuzzy associative memory model for quantum cognition and quantum intelligence. , 2017, , .		10
26	The road from fuzzy sets to definable causality and bipolar quantum intelligenceâ€”To the memory of Lotfi A. Zadeh. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3019-3032.	1.4	10
27	A geometrical and logical unification of mind, light and matter. , 2016, , .		8
28	YinYang bipolar quantum geometry and bipolar quantum superposition Part I â€” A background independent geometrical and logical exposition of Dirac 3-polarizer experiment a, b. Fractal Geometry and Nonlinear Analysis in Medicine and Biology, 2015, 1, .	0.3	8
29	YinYang bipolar quantum geometry and bipolar quantum superposition Part II â€” Toward an equilibrium-based analytical paradigm of quantum mechanics and quantum biology. Fractal Geometry and Nonlinear Analysis in Medicine and Biology, 2015, 1, .	0.3	7
30	Information conservational YinYang Bipolar quantum-fuzzy cognitive maps - mapping business data to business intelligence. , 2016, , .		6
31	A Logical Path From Neural Ensemble Formation to Cognition With Mind-Light-Matter Unification. International Journal of Cognitive Informatics and Natural Intelligence, 2018, 12, 20-54.	0.4	5
32	Science vs. Sophistryâ€”A historical debate on bipolar fuzzy sets and equilibrium-based mathematics for AI&QI. Journal of Intelligent and Fuzzy Systems, 2021, 41, 6781-6799.	1.4	5
33	YinYang bipolar T-norms and T-conorms as granular neurological operators. , 0, , .		3
34	Equilibrium-Based Bipolar Neurological Modeling. , 2006, 2006, 5169-72.		3
35	On the Nature of Natural Intelligence â€” A Revision of Laozi. , 2018, , .		3
36	Yin Yang Mental Squares - An Equilibrium-Based System For Bipolar Neurobiological Pattern Classification and Analysis. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
37	TCM in Innate Immunity: A YinYang-N-Element Hypothesis of the Innate Immunological System. , 2009, , .		1
38	(1 + 1 = 2) â€” A quantum model of neurobiology and cognition. , 2017, , .		1
39	Bipolar logic and bipolar fuzzy logic - a unification of truth, fuzziness, and bipolarity. , 0, , .		0
40	YinYang bipolar atom and quantum cellular automation — A unification. , 2011, , .		0
41	Equilibrium-Based Bipolar Neurological Modeling. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0