

Binghuang Cai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2561223/publications.pdf>

Version: 2024-02-01

33
papers

832
citations

567281

15
h-index

888059

17
g-index

33
all docs

33
docs citations

33
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical relevance of short-chain acyl-CoA dehydrogenase (SCAD) deficiency: Exploring the role of new variants including the first SCAD-disease-causing allele carrying a synonymous mutation. <i>BBA Clinical</i> , 2016, 5, 114-119.	4.1	27
2	Computational methods for ubiquitination site prediction using physicochemical properties of protein sequences. <i>BMC Bioinformatics</i> , 2016, 17, 116.	2.6	20
3	Apply signum-activated WASD neuronet to learning XOR logic via noisy input and output data. , 2015, , .		0
4	Revealing Biological Pathways Implicated in Lung Cancer from TCGA Gene Expression Data Using Gene Set Enrichment Analysis. <i>Cancer Informatics</i> , 2014, 13s1, CIN.S13882.	1.9	8
5	Despeckling of medical ultrasound images using multiscale weighting nonlinear diffusion. , 2014, , .		1
6	Rescheduling policies for large-scale task allocation of autonomous straddle carriers under uncertainty at automated container terminals. <i>Robotics and Autonomous Systems</i> , 2014, 62, 506-514.	5.1	30
7	Performance analysis of LVI-based PDNN applied to real-time solution of time-varying quadratic programming. , 2014, , .		3
8	A comparative analysis of methods for predicting clinical outcomes using high-dimensional genomic datasets. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2014, 21, e312-e319.	4.4	9
9	A novel artificial neural network method for biomedical prediction based on matrix pseudo-inversion. <i>Journal of Biomedical Informatics</i> , 2014, 48, 114-121.	4.3	27
10	Optimisation for job scheduling at automated container terminals using genetic algorithm. <i>Computers and Industrial Engineering</i> , 2013, 64, 511-523.	6.3	51
11	Zhang equivalence of different-level robotic schemes: An MVN case study based on PA10 robot manipulator. , 2013, , .		6
12	Multiobjective Optimization for Autonomous Straddle Carrier Scheduling at Automated Container Terminals. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013, 10, 711-725.	5.2	19
13	Zhang neural network and its application to Newton iteration for matrix square root estimation. <i>Neural Computing and Applications</i> , 2012, 21, 453-460.	5.6	30
14	Different-Level Redundancy-Resolution and Its Equivalent Relationship Analysis for Robot Manipulators Using Gradient-Descent and Zhang 's Neural-Dynamic Methods. <i>IEEE Transactions on Industrial Electronics</i> , 2012, 59, 3146-3155.	7.9	93
15	Optimisation model and exact algorithm for autonomous straddle carrier scheduling at automated container terminals. , 2011, , .		2
16	Zhang neural network solving for time-varying full-rank matrix Moore-Penrose inverse. <i>Computing (Vienna/New York)</i> , 2011, 92, 97-121.	4.8	122
17	Remedy scheme and theoretical analysis of joint-angle drift phenomenon for redundant robot manipulators. <i>Robotics and Computer-Integrated Manufacturing</i> , 2011, 27, 860-869.	9.9	21
18	Optimality principles in variable stiffness control: The VSA hammer. , 2011, , .		7

#	ARTICLE	IF	CITATIONS
19	Optimisation model and exact algorithm for Autonomous Straddle Carrier Scheduling at automated container terminals. , 2011, , .		0
20	Bi-criteria optimal control of redundant robot manipulators using LVI-based primal-dual neural network. Optimal Control Applications and Methods, 2010, 31, 213-229.	2.1	35
21	Quadratic-programming based self-motion planning with no target-configuration assigned for planar robot arms. , 2010, , .		3
22	Common nature of learning between BP and hopfield-type neural networks for convex quadratic minimization with simplified network models. , 2009, , .		4
23	Equivalence of velocity-level and acceleration-level redundancy-resolution of manipulators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3450-3453.	2.1	29
24	Infinity-norm acceleration minimization of robotic redundant manipulators using the LVI-based primal-dual neural network. Robotics and Computer-Integrated Manufacturing, 2009, 25, 358-365.	9.9	28
25	From Zhang Neural Network to Newton Iteration for Matrix Inversion. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 1405-1415.	5.4	171
26	Equivalent relationship between velocity- and acceleration-level redundancy-resolution schemes exemplified via multi-link planar robot arms. , 2009, , .		3
27	MATLAB Simulink Modeling and Simulation of Zhang Neural Network for Online Time-Varying Matrix Inversion. , 2008, , .		6
28	MATLAB Simulink Modeling of Zhang Neural Network Solving for Time-Varying Pseudoinverse in Comparison with Gradient Neural Network. , 2008, , .		8
29	Zhang neural network without using time-derivative information for constant and time-varying matrix inversion. , 2008, , .		18
30	Self-motion planning of redundant robot manipulators based on quadratic program and shown via PA10 example. , 2008, , .		9
31	On the Variable Step-Size of Discrete-Time Zhang Neural Network and Newton Iteration for Constant Matrix Inversion. , 2008, , .		6
32	Bi-criteria Velocity Minimization of Robot Manipulators Using a Linear Variational Inequalities-Based Primal-Dual Neural Network and PUMA560 Example. Advanced Robotics, 2008, 22, 1479-1496.	1.8	26
33	Common Nature of Learning Exemplified by BP and Hopfield Neural Networks for Solving Online a System of Linear Equations. , 2008, , .		10