

Jian Huang

List of Publications by Year in descending order

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Version: 2024-02-01

390
papers

15,745
citations

16451

64
h-index

28297

105
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394
all docs

394
docs citations

394
times ranked

17283
citing authors

#	ARTICLE	IF	CITATIONS
1	Affect Estimation in 3D Space Using Multi-Task Active Learning for Regression. IEEE Transactions on Affective Computing, 2022, 13, 16-27.	8.3	12
2	Impedance Modulation Control of a Lower-Limb Exoskeleton to Assist Sit-to-Stand Movements. IEEE Transactions on Robotics, 2022, 38, 1230-1249.	10.3	11
3	Interval Type-2 Fuzzy Disturbance Observer-Based Tâ€™S Fuzzy Control for a Pneumatic Flexible Joint. IEEE Transactions on Industrial Electronics, 2022, 69, 5962-5972.	7.9	33
4	Proxy-Based Control of Intelligent Assistive Walker for Intentional Sit-to-Stand Transfer. IEEE/ASME Transactions on Mechatronics, 2022, 27, 904-915.	5.8	6
5	Human-Following Control of Cane-Type Walking-Aid Robot Within Fixed Relative Posture. IEEE/ASME Transactions on Mechatronics, 2022, 27, 537-548.	5.8	19
6	Characterization of endogenous nucleic acids that bind to NgAgo in Natronobacterium gregoryi sp2 cells. Biocell, 2022, 46, 547-557.	0.7	0
7	Prediction of New Risk Genes and Potential Drugs for Rheumatoid Arthritis from Multiomics Data. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-11.	1.3	2
8	Optimal design of dexterous prosthetic hand with five-joint thumb and fingertip tactile sensors based on novel precision grasp metric. Mechanism and Machine Theory, 2022, 171, 104759.	4.5	7
9	Dynamic surface control with a nonlinear disturbance observer for multiâ€™degree of freedom underactuated mechanical systems. International Journal of Robust and Nonlinear Control, 2022, 32, 7809-7827.	3.7	5
10	Single-Layer Learning-Based Predictive Control With Echo State Network for Pneumatic-Muscle-Actuators-Driven Exoskeleton. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 80-90.	3.8	20
11	Protective Effects of Puerarin on Premature Ovarian Failure via Regulation of Wnt/ β -catenin Signaling Pathway and Oxidative Stress. Reproductive Sciences, 2021, 28, 982-990.	2.5	20
12	Feature-Selection-Based Transfer Learning for Intracortical Brainâ€™Machine Interface Decoding. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 60-73.	4.9	5
13	Personalized Human Activity Recognition Based on Integrated Wearable Sensor and Transfer Learning. Sensors, 2021, 21, 885.	3.8	41
14	A Mini-review of Computational Approaches to Predict Functions and Findings of Novel Micro Peptides. Current Bioinformatics, 2021, 15, 1027-1035.	1.5	2
15	Extended-State-Observer-Based Super Twisting Control for Pneumatic Muscle Actuators. Actuators, 2021, 10, 35.	2.3	8
16	TUPDB: Target-Unrelated Peptide Data Bank. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 426-432.	3.6	2
17	CASPredict: a web service for identifying Cas proteins. PeerJ, 2021, 9, e11887.	2.0	8
18	Supernumerary Robotic Limbs: A Review and Future Outlook. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 623-639.	3.2	32

#	ARTICLE	IF	CITATIONS
19	Solid oxide fuel cell (SOFC) performance evaluation, fault diagnosis and health control: A review. <i>Journal of Power Sources</i> , 2021, 505, 230058.	7.8	108
20	Understanding the public responses to landslide countermeasures in southwest China. <i>International Journal of Disaster Risk Reduction</i> , 2021, 64, 102500.	3.9	4
21	Development and application of therapeutic antibodies against COVID-19. <i>International Journal of Biological Sciences</i> , 2021, 17, 1486-1496.	6.4	47
22	A comprehensive overview of oncogenic pathways in human cancer. <i>Briefings in Bioinformatics</i> , 2020, 21, 957-969.	6.5	29
23	High-Order Disturbance-Observer-Based Sliding Mode Control for Mobile Wheeled Inverted Pendulum Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2030-2041.	7.9	129
24	A Semismooth Newton Algorithm for High-Dimensional Nonconvex Sparse Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 2993-3006.	11.3	10
25	Intelligent mobile walking-aids: perception, control and safety. <i>Advanced Robotics</i> , 2020, 34, 2-18.	1.8	10
26	Combining particle filter algorithm with bio-inspired anemotaxis behavior: A smoke plume tracking method and its robotic experiment validation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 154, 107482.	5.0	22
27	CoMM-S2: a collaborative mixed model using summary statistics in transcriptome-wide association studies. <i>Bioinformatics</i> , 2020, 36, 2009-2016.	4.1	30
28	AGONOTES: A Robot Annotator for Argonaute Proteins. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2020, 12, 109-116.	3.6	4
29	On the Functional Equivalence of TSK Fuzzy Systems to Neural Networks, Mixture of Experts, CART, and Stacking Ensemble Regression. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2570-2580.	9.8	34
30	Systematic Analysis of Competing Endogenous RNA Networks in Diffuse Large B-Cell Lymphoma and Hodgkin's Lymphoma. <i>Frontiers in Genetics</i> , 2020, 11, 586688.	2.3	7
31	SSH: A Tool for Predicting Hydrophobic Interaction of Monoclonal Antibodies Using Sequences. <i>BioMed Research International</i> , 2020, 2020, 1-6.	1.9	4
32	Morphosemantic activation of opaque Chinese words in sentence comprehension. <i>PLoS ONE</i> , 2020, 15, e0236697.	2.5	7
33	Inhibition of Axin1 in osteoblast precursor cells leads to defects in postnatal bone growth through suppressing osteoclast formation. <i>Bone Research</i> , 2020, 8, 31.	11.4	16
34	Reinforcement Learning Based Fast Self-Recalibrating Decoder for Intracortical Brain-Machine Interface. <i>Sensors</i> , 2020, 20, 5528.	3.8	2
35	Integration of platelet features in blood and platelet rich plasma for detection of lung cancer. <i>Clinica Chimica Acta</i> , 2020, 509, 43-51.	1.1	10
36	Adaptive Proxy-Based Robust Control Integrated With Nonlinear Disturbance Observer for Pneumatic Muscle Actuators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1756-1764.	5.8	31

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37	CLING: Candidate Cancer-Related lncRNA Prioritization via Integrating Multiple Biological Networks. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 138.	4.1	1
38	Particle Source Localization With a Low-Cost Robotic Sensor System: Algorithmic Design and Performance Evaluation. <i>IEEE Sensors Journal</i> , 2020, 20, 13074-13085.	4.7	6
39	DNA4mC-LIP: a linear integration method to identify N4-methylcytosine site in multiple species. <i>Bioinformatics</i> , 2020, 36, 3327-3335.	4.1	33
40	Optimize TSK Fuzzy Systems for Regression Problems: Minibatch Gradient Descent With Regularization, DropRule, and AdaBound (MBCD-RDA). <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 1003-1015.	9.8	68
41	An Automatic Analog Instrument Reading System Using Computer Vision and Inspection Robot. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 6322-6335.	4.7	28
42	Set-Membership filtering with incomplete observations. <i>Information Sciences</i> , 2020, 517, 37-51.	6.9	14
43	Use of a 6-miRNA panel to distinguish lymphoma from reactive lymphoid hyperplasia. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 2.	17.1	8
44	Optimize TSK Fuzzy Systems for Classification Problems: Minibatch Gradient Descent With Uniform Regularization and Batch Normalization. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 3065-3075.	9.8	50
45	Metformin limits osteoarthritis development and progression through activation of AMPK signalling. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 635-645.	0.9	124
46	Trajectory Tracking of Mobile Robots Based on Fuzzy Control and Extended State Observer. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 697-706.	0.4	1
47	Characteristics of the Cretaceous Magmatism in Huanghua Depression and Their Relationships with Hydrocarbon Enrichment. <i>Journal of Earth Science (Wuhan, China)</i> , 2020, 31, 1273-1292.	3.2	8
48	NeuroCS: A Tool to Predict Cleavage Sites of Neuropeptide Precursors. <i>Protein and Peptide Letters</i> , 2020, 27, 337-345.	0.9	3
49	Development and Application of Computational Methods in Phage Display Technology. <i>Current Medicinal Chemistry</i> , 2020, 26, 7672-7693.	2.4	13
50	High Gain Finite-Time Trajectory Tracking Control of Pneumatic Muscle Actuator. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 777-787.	0.4	0
51	Recent Advancement in Predicting Subcellular Localization of Mycobacterial Protein with Machine Learning Methods. <i>Medicinal Chemistry</i> , 2020, 16, 605-619.	1.5	2
52	Deletion of <i>Axin1</i> in condylar chondrocytes leads to osteoarthritis-like phenotype in temporomandibular joint via activation of β -catenin and FGF signaling. <i>Journal of Cellular Physiology</i> , 2019, 234, 1720-1729.	4.1	21
53	Survey of miRNA-miRNA cooperative regulation principles across cancer types. <i>Briefings in Bioinformatics</i> , 2019, 20, 1621-1638.	6.5	39
54	CasPDB: an integrated and annotated database for Cas proteins from bacteria and archaea. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	8

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55	Serum miRNAs are potential biomarkers for the detection of disc degeneration, among which miR-26a suppresses Smad1 to regulate disc homeostasis. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6679-6689.	3.6	11
56	SAROTUP: a suite of tools for finding potential target-unrelated peptides from phage display data. <i>International Journal of Biological Sciences</i> , 2019, 15, 1452-1459.	6.4	29
57	The microRNAs miR-204 and miR-211 maintain joint homeostasis and protect against osteoarthritis progression. <i>Nature Communications</i> , 2019, 10, 2876.	12.8	112
58	CasLocusAnno: a web-based server for annotating cas loci and their corresponding (sub)types. <i>FEBS Letters</i> , 2019, 593, 2646-2654.	2.8	2
59	High-dimensional integrative analysis with homogeneity and sparsity recovery. <i>Journal of Multivariate Analysis</i> , 2019, 174, 104529.	1.0	12
60	Guest Editorial for Special Section on the 7th National Conference on Bioinformatics and Systems Biology of China. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019, 16, 1262-1263.	3.0	0
61	Continuous Control of Wrist-Hand Prosthesis by Extracting Independent sEMG Signals from Cross-talk Muscle Groups. , 2019, , .		1
62	Fingertip Tactile Sensor With Single Sensing Element Based on FSR and PVDF. <i>IEEE Sensors Journal</i> , 2019, 19, 11100-11112.	4.7	18
63	Soft Rehabilitation and Nursing-Care Robots: A Review and Future Outlook. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3102.	2.5	23
64	Nonlinear Disturbance Observer Based T-S Fuzzy Logic Control of Pneumatic Artificial Muscles. , 2019, , .		1
65	Rlscoper: a tool for RNA-RNA interaction extraction from the literature. <i>Bioinformatics</i> , 2019, 35, 3199-3202.	4.1	23
66	CISI: A Tool for Predicting Cross-interaction or Self-interaction of Monoclonal Antibodies Using Sequences. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2019, 11, 691-697.	3.6	7
67	Adaptive Super-Twisting Control for Mobile Wheeled Inverted Pendulum Systems. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2508.	2.5	7
68	Optimizing Control of Passive Gait Training Exoskeleton Driven by Pneumatic Muscles Using Switch-Mode Firefly Algorithm. <i>Robotica</i> , 2019, 37, 2087-2103.	1.9	13
69	Mechanism of toppling and deformation in hard rock slope: a case of bank slope of Hydropower Station, Qinghai Province, China. <i>Journal of Mountain Science</i> , 2019, 16, 924-934.	2.0	14
70	Design, modelling and identification of a fiber-reinforced bending pneumatic muscle. <i>Science China Information Sciences</i> , 2019, 62, 1.	4.3	7
71	Exploration of CRISPR/Cas9-based gene editing as therapy for osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 676-682.	0.9	86
72	Inflamm-Aging: A New Mechanism Affecting Premature Ovarian Insufficiency. <i>Journal of Immunology Research</i> , 2019, 2019, 1-7.	2.2	102

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73	Model Predictive Control for Human Following Rehabilitation Robot. , 2019, , .		5
74	Design and Performance Evaluation of a Particle Filter-based Algorithm for Smoke Plume Path Tracking. , 2019, , .		3
75	PVsiRNAPred: Prediction of plant exclusive virus-derived small interfering RNAs by deep convolutional neural network. Journal of Bioinformatics and Computational Biology, 2019, 17, 1950039.	0.8	8
76	Formation Tracking of Heterogeneous UGV-UAV Systems with Switching Directed Topologies. , 2019, , .		6
77	A Predictive Control for Pneumatic Muscle Actuators based Exoskeleton by Using MIMO Echo State Network. , 2019, , .		1
78	Notice of Removal: A Disturbance Observer Based Sliding Mode Control for a Class of Underactuated Robotic System With Mismatched Uncertainties. IEEE Transactions on Automatic Control, 2019, 64, 2480-2487.	5.7	162
79	A Wearable Activity Recognition Device Using Air-Pressure and IMU Sensors. IEEE Access, 2019, 7, 6611-6621.	4.2	28
80	Deletion of <i>Runx2</i> in condylar chondrocytes disrupts TMJ tissue homeostasis. Journal of Cellular Physiology, 2019, 234, 3436-3444.	4.1	21
81	An Echo State Gaussian Process-Based Nonlinear Model Predictive Control for Pneumatic Muscle Actuators. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1071-1084.	5.2	50
82	Odor source localization algorithms on mobile robots: A review and future outlook. Robotics and Autonomous Systems, 2019, 112, 123-136.	5.1	129
83	A Constrained Representation Theorem for Well-Shaped Interval Type-2 Fuzzy Sets, and the Corresponding Constrained Uncertainty Measures. IEEE Transactions on Fuzzy Systems, 2019, 27, 1237-1251.	9.8	9
84	Using High-Frequency Local Field Potentials From Multicortex to Decode Reaching and Grasping Movements in Monkey. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 270-280.	3.8	7
85	Active learning for regression using greedy sampling. Information Sciences, 2019, 474, 90-105.	6.9	80
86	NeuroPP: A Tool for the Prediction of Neuropeptide Precursors Based on Optimal Sequence Composition. Interdisciplinary Sciences, Computational Life Sciences, 2019, 11, 108-114.	3.6	34
87	HMMCAS: A Web Tool for the Identification and Domain Annotations of CAS Proteins. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 1313-1315.	3.0	43
88	Molecular Design of Peptide-Fc Fusion Drugs. Current Drug Metabolism, 2019, 20, 203-208.	1.2	12
89	A Brief Survey of Machine Learning Methods in Protein Sub-Golgi Localization. Current Bioinformatics, 2019, 14, 234-240.	1.5	135
90	Inference for Low-Dimensional Covariates in a High-Dimensional Accelerated Failure Time Model. Statistica Sinica, 2019, 29, 877-894.	0.3	8

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91	PhD7Faster 2.0: predicting clones propagating faster from the Ph.D.-7 phage display library by coupling PseAAC and tripeptide composition. PeerJ, 2019, 7, e7131.	2.0	11
92	Peripheral Neural Interface. Advances in Experimental Medicine and Biology, 2019, 1101, 91-122.	1.6	1
93	Multidimensional Integration Analysis of Autophagy-related Modules in Colorectal Cancer. Letters in Organic Chemistry, 2019, 16, 340-346.	0.5	0
94	AXL is a marker for epithelialâ€mesenchymal transition in esophageal squamous cell carcinoma. Oncology Letters, 2018, 15, 1900-1906.	1.8	18
95	Oracle inequalities for sparse additive quantile regression in reproducing kernel Hilbert space. Annals of Statistics, 2018, 46, .	2.6	31
96	A Forward and Backward Stagewise algorithm for nonconvex loss functions with adaptive Lasso. Computational Statistics and Data Analysis, 2018, 124, 235-251.	1.2	8
97	Compositional Bias in NaÃve and Chemically-modified Phage-Displayed Libraries uncovered by Paired-end Deep Sequencing. Scientific Reports, 2018, 8, 1214.	3.3	28
98	Mechatronic Design of a Synergetic Upper Limb Exoskeletal Robot and Wrench-based Assistive Control. Journal of Bionic Engineering, 2018, 15, 247-259.	5.0	16
99	Data-Driven Human-Robot Coordination Based Walking State Monitoring With Cane-Type Robot. IEEE Access, 2018, 6, 8896-8908.	4.2	18
100	Set-Membership-Based Fault Detection and Isolation for Robotic Assembly of Electrical Connectors. IEEE Transactions on Automation Science and Engineering, 2018, 15, 160-171.	5.2	35
101	Anti-CRISPRdb: a comprehensive online resource for anti-CRISPR proteins. Nucleic Acids Research, 2018, 46, D393-D398.	14.5	65
102	Identifying geneâ€gene interactions using penalized tensor regression. Statistics in Medicine, 2018, 37, 598-610.	1.6	22
103	Interval Type-2 Fuzzy Logic Modeling and Control of a Mobile Two-Wheeled Inverted Pendulum. IEEE Transactions on Fuzzy Systems, 2018, 26, 2030-2038.	9.8	137
104	Control Method for The Balance Recovery of Indirect Tight Coordination Task Based on Force Sensor. , 2018, , .		1
105	Super twisting control algorithm for Velocity Control of Mobile Wheeled Inverted Pendulum Systems. , 2018, , .		2
106	Design and Control of a Soft Bending Pneumatic Actuator Based on Visual Feedback. , 2018, , .		4
107	Impedance-Sliding Mode Control based Fall Prevention Motion Control Algorithm for Walking-aid Robot. , 2018, , .		1
108	Anti-swing Control in Manipulation of a Deformable Linear Object using Dynamic Surface Control. , 2018, , .		4

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109	Dynamic Modelling and Identification of a Soft Bending Pneumatic Actuator Based on Visual Recognition. , 2018, , .		1
110	A Wearable Finger Exoskeleton Based on the Crank-Rocker Mechanism for Rehabilitation. , 2018, , .		1
111	Dynamic Model of Exoskeleton Based on Pneumatic Muscle Actuators and Experiment Verification. , 2018, , .		4
112	Center Difference Set Membership Filter by Zonotopes for Nonlinear System. , 2018, , .		1
113	T-S Fuzzy Logic Control with Genetic Algorithm Optimization for Pneumatic Muscle Actuator. , 2018, , .		4
114	Automatic Reading System for Analog Instruments Based on Computer Vision and Inspection Robot for Power Plant. , 2018, , .		10
115	Growth factor signalling in osteoarthritis. Growth Factors, 2018, 36, 187-195.	1.7	34
116	A Switch-Mode Firefly Algorithm for Global Optimization. IEEE Access, 2018, 6, 54177-54184.	4.2	10
117	Capturing functional long non-coding RNAs through integrating large-scale causal relations from gene perturbation experiments. EBioMedicine, 2018, 35, 369-380.	6.1	19
118	Comprehensive exploration of the enzymes catalysing oxygen-involved reactions and COGs relevant to bacterial oxygen utilization. Environmental Microbiology, 2018, 20, 3836-3850.	3.8	1
119	A Novel Coordinated Motion Fusion-Based Walking-Aid Robot System. Sensors, 2018, 18, 2761.	3.8	13
120	Computational Design of Antiangiogenic Peptibody by Fusing Human IgG1 Fc Fragment and HRH Peptide: Structural Modeling, Energetic Analysis, and Dynamics Simulation of Its Binding Potency to VEGF Receptor. International Journal of Biological Sciences, 2018, 14, 930-937.	6.4	11
121	Biopanning data bank 2018: hugging next generation phage display. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	23
122	Differential Expression of TXNIP Isoforms in the Peripheral Leukocytes of Patients with Acute Myocardial Infarction. Disease Markers, 2018, 2018, 1-6.	1.3	11
123	Embelin Restores Carbapenem Efficacy against NDM-1-Positive Pathogens. Frontiers in Microbiology, 2018, 9, 71.	3.5	21
124	On the sign consistency of the Lasso for the high-dimensional Cox model. Journal of Multivariate Analysis, 2018, 167, 79-96.	1.0	3
125	Robust Decoding from 1-Bit Compressive Sampling with Ordinary and Regularized Least Squares. SIAM Journal of Scientific Computing, 2018, 40, A2062-A2086.	2.8	12
126	LnChrom: a resource of experimentally validated lncRNA-chromatin interactions in human and mouse. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	42

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127	CD51 is an independent unfavorable prognostic factor in esophageal squamous cell carcinoma. Pathology Research and Practice, 2018, 214, 1352-1355.	2.3	1
128	Estimating high-dimensional additive Cox model with time-dependent covariate processes. Scandinavian Journal of Statistics, 2018, 45, 900-922.	1.4	4
129	An Underactuated Prosthetic Hand with Coupled Metacarpophalangeal Joints. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2018, 22, 674-682.	0.9	7
130	Ordered Novel Weighted Averages. Studies in Fuzziness and Soft Computing, 2018, , 25-47.	0.8	2
131	Prognostic value of LAMP1 in surgically resected esophageal squamous cell carcinoma. Translational Cancer Research, 2018, 7, 347-352.	1.0	0
132	A Concave Pairwise Fusion Approach to Subgroup Analysis. Journal of the American Statistical Association, 2017, 112, 410-423.	3.1	126
133	Terminal Impact Angle Constraint Guidance With Dual Sliding Surfaces and Model-Free Target Acceleration Estimator. IEEE Transactions on Control Systems Technology, 2017, 25, 85-100.	5.2	34
134	Promoting Similarity of Sparsity Structures in Integrative Analysis With Penalization. Journal of the American Statistical Association, 2017, 112, 342-350.	3.1	20
135	Novel and functional ATG12 gene variants in sporadic Parkinson's disease. Neuroscience Letters, 2017, 643, 22-26.	2.1	16
136	Genetic analysis of the ATG16L1 gene promoter in sporadic Parkinson's disease. Neuroscience Letters, 2017, 646, 30-35.	2.1	8
137	Identify and analysis crotonylation sites in histone by using support vector machines. Artificial Intelligence in Medicine, 2017, 83, 75-81.	6.5	52
138	A novel peptide specifically binding to VEGF receptor suppresses angiogenesis in vitro and in vivo. Signal Transduction and Targeted Therapy, 2017, 2, 17010.	17.1	30
139	Electrospinning Sedimentary Microstructure Feedback Control by Tuning Substrate Linear Machine Velocity. IEEE Transactions on Industrial Electronics, 2017, 64, 8686-8694.	7.9	6
140	High expression of LAMP2 predicts poor prognosis in patients with esophageal squamous cell carcinoma. Cancer Biomarkers, 2017, 19, 305-311.	1.7	20
141	Sliding mode control with an extended disturbance observer for a class of underactuated system in cascaded form. Nonlinear Dynamics, 2017, 90, 2571-2582.	5.2	44
142	Altered expression of lysosomal associated membrane protein 1 in esophageal squamous cell carcinoma. Pathology Research and Practice, 2017, 213, 938-942.	2.3	8
143	Accommodating missingness in environmental measurements in gene-environment interaction analysis. Genetic Epidemiology, 2017, 41, 523-554.	1.3	9
144	Semismooth Newton Coordinate Descent Algorithm for Elastic-Net Penalized Huber Loss Regression and Quantile Regression. Journal of Computational and Graphical Statistics, 2017, 26, 547-557.	1.7	86

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145	Limbs synergies based human motion intention estimation algorithm for using cane-type walking-aid robot. , 2017, , .		4
146	Altered Expression of TXNIP in the peripheral leukocytes of patients with coronary atherosclerotic heart disease. Medicine (United States), 2017, 96, e9108.	1.0	17
147	Design of Nonlinear Predictive Control for Pneumatic Muscle Actuator Based on Echo State Gaussian Process * *This work was supported by the National Natural Science Foundation of China under Grant 61473130, the Science Fund for Distinguished Young Scholars of Hubei Province (2015CFA047), the Fundamental Research Funds for the Central Universities (HUST: 2015TS028) and the Program for New Century Excellent Talents in University (NCET-12-0214). IFAC PapersOnLine, 2017, 50, 1952-1957.	0.9	4
148	Global path planning using modified firefly algorithm. , 2017, , .		13
149	Proxy-based sliding mode stabilization of a class of second-order nonlinear system. , 2017, , .		1
150	Aided sit to stand transfer by assistive robot and wearable sensors. , 2017, , .		0
151	Adaptive neural network control for quadrotor unmanned aerial vehicles. , 2017, , .		19
152	Decoding Lower Limb Muscle Activity and Kinematics from Cortical Neural Spike Trains during Monkey Performing Stand and Squat Movements. Frontiers in Neuroscience, 2017, 11, 44.	2.8	14
153	Upper Limb Rehabilitation Robot Powered by PAMs Cooperates with FES Arrays to Realize Reach-to-Grasp Trainings. Journal of Healthcare Engineering, 2017, 2017, 1-15.	1.9	20
154	PSBinder: A Web Service for Predicting Polystyrene Surface-Binding Peptides. BioMed Research International, 2017, 2017, 1-5.	1.9	49
155	Performance comparison of efficient type-reduction approaches for interval type-2 fuzzy logic control. , 2017, , .		2
156	Nonlinear disturbance observer based sliding mode control of a human-driven knee joint orthosis. Robotics and Autonomous Systems, 2016, 75, 41-49.	5.1	74
157	SABinder: A Web Service for Predicting Streptavidin-Binding Peptides. BioMed Research International, 2016, 2016, 1-8.	1.9	35
158	An Integrated Wireless Wearable Sensor System for Posture Recognition and Indoor Localization. Sensors, 2016, 16, 1825.	3.8	45
159	Analyzing Association Mapping in Pedigree-Based GWAS Using a Penalized Multitrait Mixed Model. Genetic Epidemiology, 2016, 40, 382-393.	1.3	11
160	Altered expression of lysosomal hydrolase, acid β -glucosidase, gene in coronary artery disease. Coronary Artery Disease, 2016, 27, 104-108.	0.7	6
161	A high-order disturbance observer based sliding mode velocity control of mobile wheeled inverted pendulum systems. , 2016, , .		2
162	Human-robot coordination stability for fall detection and prevention using cane robot. , 2016, , .		10

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163	Indoor monitoring system for elderly based on ZigBee network. , 2016, , .		5
164	PHYPred: a tool for identifying bacteriophage enzymes and hydrolases. Virologica Sinica, 2016, 31, 350-352.	3.0	47
165	Design of interval type-2 fuzzy logic controller for mobile wheeled inverted pendulum. , 2016, , .		6
166	Analysis and quality control of carbohydrates in therapeutic proteins with fluorescence HPLC. Biochemical and Biophysical Research Communications, 2016, 478, 864-867.	2.1	3
167	Echo state network based predictive control with particle swarm optimization for pneumatic muscle actuator. Journal of the Franklin Institute, 2016, 353, 2761-2782.	3.4	43
168	Sieve Estimation of Cox Models with Latent Structures. Biometrics, 2016, 72, 1086-1097.	1.4	9
169	Research on path planning of family nursing robot based on robot operating system. , 2016, , .		3
170	Bed exiting monitoring system with fall detection for the elderly living alone. , 2016, , .		11
171	Leg hybrid rehabilitation based on hip-knee exoskeleton and ankle motion induced by FES. , 2016, , .		4
172	A potential therapeutic peptide-based neutralizer that potently inhibits Shiga toxin 2 in vitro and in vivo. Scientific Reports, 2016, 6, 21837.	3.3	10
173	Bayesian inference for high-dimensional linear regression under mnet priors. Canadian Journal of Statistics, 2016, 44, 180-197.	0.9	4
174	Tandem Stance Avoidance Using Adaptive and Asymmetric Admittance Control for Fall Prevention. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 542-550.	4.9	27
175	Design and Evaluation of the RUPERT Wearable Upper Extremity Exoskeleton Robot for Clinical and In-Home Therapies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 926-935.	9.3	104
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