

# 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  
g-index

394  
all docs

394  
docs citations

394  
times ranked

17283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regularized gene selection in cancer microarray meta-analysis. BMC Bioinformatics, 2009, 10, 1.	2.6	941
2	Coordinate descent algorithms for nonconvex penalized regression, with applications to biological feature selection. Annals of Applied Statistics, 2011, 5, 232-253.	1.1	498
3	The sparsity and bias of the Lasso selection in high-dimensional linear regression. Annals of Statistics, 2008, 36, .	2.6	488
4	Homozygosity mapping with SNP arrays identifies <i>TRIM32</i> , an E3 ubiquitin ligase, as a Bardet-Biedl syndrome gene ( <i>BBS11</i> ). Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6287-6292.	7.1	378
5	Variable selection in nonparametric additive models. Annals of Statistics, 2010, 38, 2282-2313.	2.6	357
6	Asymptotic properties of bridge estimators in sparse high-dimensional regression models. Annals of Statistics, 2008, 36, .	2.6	337
7	MATS: a Bayesian framework for flexible detection of differential alternative splicing from RNA-Seq data. Nucleic Acids Research, 2012, 40, e61-e61.	14.5	330
8	Choriocapillaris Vascular Dropout Related to Density of Drusen in Human Eyes with Early Age-Related Macular Degeneration. , 2011, 52, 1606.		323
9	A group bridge approach for variable selection. Biometrika, 2009, 96, 339-355.	2.4	257
10	A Selective Review of Group Selection in High-Dimensional Models. Statistical Science, 2012, 27, .	2.8	254
11	Predicting Subcellular Localization of Mycobacterial Proteins by Using Chous Pseudo Amino Acid Composition. Protein and Peptide Letters, 2008, 15, 739-744.	0.9	209
12	Penalized feature selection and classification in bioinformatics. Briefings in Bioinformatics, 2008, 9, 392-403.	6.5	203
13	Sliding-Mode Velocity Control of Mobile-Wheeled Inverted-Pendulum Systems. IEEE Transactions on Robotics, 2010, 26, 750-758.	10.3	201
14	Group descent algorithms for nonconvex penalized linear and logistic regression models with grouped predictors. Statistics and Computing, 2015, 25, 173-187.	1.5	191
15	Regulation of gene expression in the mammalian eye and its relevance to eye disease. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14429-14434.	7.1	190
16	Evidence supporting WNT2 as an autism susceptibility gene. American Journal of Medical Genetics Part A, 2001, 105, 406-413.	2.4	188
17	Supervised group Lasso with applications to microarray data analysis. BMC Bioinformatics, 2007, 8, 60.	2.6	183
18	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

#	ARTICLE	IF	CITATIONS
19	Human-Walking-Intention-Based Motion Control of an Omnidirectional-Type Cane Robot. IEEE/ASME Transactions on Mechatronics, 2013, 18, 285-296.	5.8	157
20	Regularized ROC method for disease classification and biomarker selection with microarray data. Bioinformatics, 2005, 21, 4356-4362.	4.1	152
21	Control of Upper-Limb Power-Assist Exoskeleton Using a Human-Robot Interface Based on Motion Intention Recognition. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1257-1270.	5.2	148
22	SCAD-penalized regression in high-dimensional partially linear models. Annals of Statistics, 2009, 37, .	2.6	145
23	Nonlinear Disturbance Observer-Based Dynamic Surface Control of Mobile Wheeled Inverted Pendulum. IEEE Transactions on Control Systems Technology, 2015, 23, 2400-2407.	5.2	141
24	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
25	A Brief Survey of Machine Learning Methods in Protein Sub-Golgi Localization. Current Bioinformatics, 2019, 14, 234-240.	1.5	135
26	Sieve Estimation for the Proportional-Odds Failure-Time Regression Model with Interval Censoring. Journal of the American Statistical Association, 1997, 92, 960-967.	3.1	134
27	Regularized Estimation in the Accelerated Failure Time Model with High-Dimensional Covariates. Biometrics, 2006, 62, 813-820.	1.4	134
28	Odor source localization algorithms on mobile robots: A review and future outlook. Robotics and Autonomous Systems, 2019, 112, 123-136.	5.1	129
29	High-Order Disturbance-Observer-Based Sliding Mode Control for Mobile Wheeled Inverted Pendulum Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 2030-2041.	7.9	129
30	A Concave Pairwise Fusion Approach to Subgroup Analysis. Journal of the American Statistical Association, 2017, 112, 410-423.	3.1	126
31	Metformin limits osteoarthritis development and progression through activation of AMPK signalling. Annals of the Rheumatic Diseases, 2020, 79, 635-645.	0.9	124
32	Self-Binding Peptides: Folding or Binding?. Journal of Chemical Information and Modeling, 2015, 55, 329-342.	5.4	123
33	Combining multidimensional genomic measurements for predicting cancer prognosis: observations from TCGA. Briefings in Bioinformatics, 2015, 16, 291-303.	6.5	122
34	Fuzzy support vector machine for classification of EEG signals using wavelet-based features. Medical Engineering and Physics, 2009, 31, 858-865.	1.7	120
35	CED: a conformational epitope database. BMC Immunology, 2006, 7, 7.	2.2	119
36	The microRNAs miR-204 and miR-211 maintain joint homeostasis and protect against osteoarthritis progression. Nature Communications, 2019, 10, 2876.	12.8	112

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37	A Spline-Based Semiparametric Maximum Likelihood Estimation Method for the Cox Model with Interval-Censored Data. <i>Scandinavian Journal of Statistics</i> , 2010, 37, 338-354.	1.4	109
38	MimoDB 2.0: a mimotope database and beyond. <i>Nucleic Acids Research</i> , 2012, 40, D271-D277.	14.5	109
39	A two-step binding mechanism for the self-binding peptide recognition of target domains. <i>Molecular BioSystems</i> , 2016, 12, 1201-1213.	2.9	108
40	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
41	Nonlinear Disturbance Observer-Based Dynamic Surface Control for Trajectory Tracking of Pneumatic Muscle System. <i>IEEE Transactions on Control Systems Technology</i> , 2014, 22, 440-455.	5.2	104
42	Design and Evaluation of the RUPERT Wearable Upper Extremity Exoskeleton Robot for Clinical and In-Home Therapies. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 926-935.	9.3	104
43	A real-time EMG pattern recognition method for virtual myoelectric hand control. <i>Neurocomputing</i> , 2014, 136, 345-355.	5.9	103
44	Structural modeling of HLA-B*1502/peptide/carbamazepine/T-cell receptor complex architecture: implication for the molecular mechanism of carbamazepine-induced Stevens-Johnson syndrome/toxic epidermal necrolysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1806-1817.	3.5	103
45	Inflamm-Aging: A New Mechanism Affecting Premature Ovarian Insufficiency. <i>Journal of Immunology Research</i> , 2019, 2019, 1-7.	2.2	102
46	On the Bootstrap of the Maximum Score Estimator. <i>Econometrica</i> , 2005, 73, 1175-1204.	4.2	101
47	Modeling and Velocity Control for a Novel Narrow Vehicle Based on Mobile Wheeled Inverted Pendulum. <i>IEEE Transactions on Control Systems Technology</i> , 2013, 21, 1607-1617.	5.2	101
48	Variable selection and estimation in high-dimensional varying-coefficient models. <i>Statistica Sinica</i> , 2011, 21, 1515-1540.	0.3	98
49	Identify Golgi Protein Types with Modified Mahalanobis Discriminant Algorithm and Pseudo Amino Acid Composition. <i>Protein and Peptide Letters</i> , 2011, 18, 58-63.	0.9	96
50	Prediction of Golgi-resident protein types by using feature selection technique. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 124, 9-13.	3.5	90
51	Biomacromolecular quantitative structure-activity relationship (BioQSAR): a proof-of-concept study on the modeling, prediction and interpretation of protein-protein binding affinity. <i>Journal of Computer-Aided Molecular Design</i> , 2013, 27, 67-78.	2.9	88
52	Semismooth Newton Coordinate Descent Algorithm for Elastic-Net Penalized Huber Loss Regression and Quantile Regression. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 547-557.	1.7	86
53	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
54	Consistent group selection in high-dimensional linear regression. <i>Bernoulli</i> , 2010, 16, 1369-1384.	1.3	84

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55	Variable selection in the accelerated failure time model via the bridge method. <i>Lifetime Data Analysis</i> , 2010, 16, 176-195.	0.9	84
56	SAROTUP: Scanner and Reporter of Target-Unrelated Peptides. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-7.	3.0	84
57	MIMOX: a web tool for phage display based epitope mapping. <i>BMC Bioinformatics</i> , 2006, 7, 451.	2.6	82
58	Active learning for regression using greedy sampling. <i>Information Sciences</i> , 2019, 474, 90-105.	6.9	80
59	Structural and energetic insights into the intermolecular interaction among human leukocyte antigens, clinical hypersensitive drugs and antigenic peptides. <i>Molecular Simulation</i> , 2015, 41, 741-751.	2.0	79
60	Oracle inequalities for the lasso in the Cox model. <i>Annals of Statistics</i> , 2013, 41, 1142-1165.	2.6	75
61	Nonlinear disturbance observer based sliding mode control of a human-driven knee joint orthosis. <i>Robotics and Autonomous Systems</i> , 2016, 75, 41-49.	5.1	74
62	Fall Detection and Prevention Control Using Walking-Aid Cane Robot. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016, 21, 625-637.	5.8	73
63	The sparse Laplacian shrinkage estimator for high-dimensional regression. <i>Annals of Statistics</i> , 2011, 39, 2021-2046.	2.6	72
64	BDB: biopanning data bank. <i>Nucleic Acids Research</i> , 2016, 44, D1127-D1132.	14.5	71
65	Optimize TSK Fuzzy Systems for Regression Problems: Minibatch Gradient Descent With Regularization, DropRule, and AdaBound (MBGD-RDA). <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 1003-1015.	9.8	68
66	Power to Detect Linkage Based on Multiple Sets of Data in the Presence of Locus Heterogeneity: Comparative Evaluation of Model-Based Linkage Methods for Affected Sib Pair Data. <i>Human Heredity</i> , 2001, 51, 199-208.	0.8	65
67	ncRDeathDB: A comprehensive bioinformatics resource for deciphering network organization of the ncRNA-mediated cell death system. <i>Autophagy</i> , 2015, 11, 1917-1926.	9.1	65
68	Anti-CRISPRdb: a comprehensive online resource for anti-CRISPR proteins. <i>Nucleic Acids Research</i> , 2018, 46, D393-D398.	14.5	65
69	Semiparametric Estimation Methods for Panel Count Data Using Monotone<i>B</i>-Splines. <i>Journal of the American Statistical Association</i> , 2009, 104, 1060-1070.	3.1	64
70	Combining Multiple Markers for Classification Using ROC. <i>Biometrics</i> , 2007, 63, 751-757.	1.4	63
71	Effects on the expression of GABAA receptor subunits by jujuboside A treatment in rat hippocampal neurons. <i>Journal of Ethnopharmacology</i> , 2010, 128, 419-423.	4.1	61
72	Gene Expression Analysis of Photoreceptor Cell Loss in Bbs4-Knockout Mice Reveals an Early Stress Gene Response and Photoreceptor Cell Damage. , 2007, 48, 3329.		57

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73	Model-Based Intelligent Fault Detection and Diagnosis for Mating Electric Connectors in Robotic Wiring Harness Assembly Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2008, 13, 86-94.	5.8	57
74	Structural Characterization of a Recombinant Fusion Protein by Instrumental Analysis and Molecular Modeling. <i>PLoS ONE</i> , 2013, 8, e57642.	2.5	55
75	Identify and analysis crotonylation sites in histone by using support vector machines. <i>Artificial Intelligence in Medicine</i> , 2017, 83, 75-81.	6.5	52
76	CEG: a database of essential gene clusters. <i>BMC Genomics</i> , 2013, 14, 769.	2.8	51
77	An assembly strategy scheduling method for human and robot coordinated cell manufacturing. <i>International Journal of Intelligent Computing and Cybernetics</i> , 2011, 4, 487-510.	2.7	50
78	An Echo State Gaussian Process-Based Nonlinear Model Predictive Control for Pneumatic Muscle Actuators. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019, 16, 1071-1084.	5.2	50
79	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
80	PSBinder: A Web Service for Predicting Polystyrene Surface-Binding Peptides. <i>BioMed Research International</i> , 2017, 2017, 1-5.	1.9	49
81	Bioinformatics Resources and Tools for Phage Display. <i>Molecules</i> , 2011, 16, 694-709.	3.8	48
82	MimoDB: a New Repository for Mimotope Data Derived from Phage Display Technology. <i>Molecules</i> , 2010, 15, 8279-8288.	3.8	47
83	Identification of gene-environment interactions in cancer studies using penalization. <i>Genomics</i> , 2013, 102, 189-194.	2.9	47
84	PHYPred: a tool for identifying bacteriophage enzymes and hydrolases. <i>Virologica Sinica</i> , 2016, 31, 350-352.	3.0	47
85	Development and application of therapeutic antibodies against COVID-19. <i>International Journal of Biological Sciences</i> , 2021, 17, 1486-1496.	6.4	47
86	PREDICTING SUBCHLOROPLAST LOCATIONS OF PROTEINS BASED ON THE GENERAL FORM OF CHOU'S PSEUDO AMINO ACID COMPOSITION: APPROACHED FROM OPTIMAL TRIPEPTIDE COMPOSITION. <i>International Journal of Biomathematics</i> , 2013, 06, 1350003.	2.9	46
87	Comparison of "Model-Free"™ and "Model-Based"™ Linkage Statistics in the Presence of Locus Heterogeneity: Single Data Set and Multiple Data Set Applications. <i>Human Heredity</i> , 2001, 51, 217-225.	0.8	45
88	An Integrated Wireless Wearable Sensor System for Posture Recognition and Indoor Localization. <i>Sensors</i> , 2016, 16, 1825.	3.8	45
89	Sliding mode control with an extended disturbance observer for a class of underactuated system in cascaded form. <i>Nonlinear Dynamics</i> , 2017, 90, 2571-2582.	5.2	44
90	Echo state network based predictive control with particle swarm optimization for pneumatic muscle actuator. <i>Journal of the Franklin Institute</i> , 2016, 353, 2761-2782.	3.4	43

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91	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
92	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
93	Prediction of subcellular location of mycobacterial protein using feature selection techniques. Molecular Diversity, 2010, 14, 667-671.	3.9	41
94	Personalized Human Activity Recognition Based on Integrated Wearable Sensor and Transfer Learning. Sensors, 2021, 21, 885.	3.8	41
95	Robust Model-Based Online Fault Detection for Mating Process of Electric Connectors in Robotic Wiring Harness Assembly Systems. IEEE Transactions on Control Systems Technology, 2010, 18, 1207-1215.	5.2	40
96	A note on estimating a partly linear model under monotonicity constraints. Journal of Statistical Planning and Inference, 2002, 107, 343-351.	0.6	39
97	Integrative analysis and variable selection with multiple high-dimensional data sets. Biostatistics, 2011, 12, 763-775.	1.5	39
98	Survey of miRNA-miRNA cooperative regulation principles across cancer types. Briefings in Bioinformatics, 2019, 20, 1621-1638.	6.5	39
99	Model Selection for Cox Models with Time-Varying Coefficients. Biometrics, 2012, 68, 419-428.	1.4	38
100	CFTR $\Delta$ F508 mutation has minimal effect on the gene expression profile of differentiated human airway epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L545-L553.	2.9	37
101	A semiparametric approach for the nonparametric transformation survival model with multiple covariates. Biostatistics, 2007, 8, 197-211.	1.5	37
102	Semiparametric Regression Pursuit. Statistica Sinica, 2012, 22, 1403-1426.	0.3	37
103	Stochastic fault tolerant control of networked control systems. Journal of the Franklin Institute, 2009, 346, 1006-1020.	3.4	36
104	PhD7FASTER: PREDICTING CLONES PROPAGATING FASTER FROM THE Ph.D.-7 PHAGE DISPLAY PEPTIDE LIBRARY. Journal of Bioinformatics and Computational Biology, 2014, 12, 1450005.	0.8	36
105	Statistical Evaluation of Age-at-Onset Anticipation: A New Test and Evaluation of Its Behavior in Realistic Applications. American Journal of Human Genetics, 1998, 62, 1212-1227.	6.2	35
106	SABinder: A Web Service for Predicting Streptavidin-Binding Peptides. BioMed Research International, 2016, 2016, 1-8.	1.9	35
107	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
108	Additive risk survival model with microarray data. BMC Bioinformatics, 2007, 8, 192.	2.6	34

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109	Posture estimation and human support using wearable sensors and walking-aid robot. <i>Robotics and Autonomous Systems</i> , 2015, 73, 24-43.	5.1	34
110	Integrative analysis of $\hat{\epsilon}$ -omics™ data using penalty functions. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2015, 7, 99-108.	3.9	34
111	Terminal Impact Angle Constraint Guidance With Dual Sliding Surfaces and Model-Free Target Acceleration Estimator. <i>IEEE Transactions on Control Systems Technology</i> , 2017, 25, 85-100.	5.2	34
112	Growth factor signalling in osteoarthritis. <i>Growth Factors</i> , 2018, 36, 187-195.	1.7	34
113	NeuroPP: A Tool for the Prediction of Neuropeptide Precursors Based on Optimal Sequence Composition. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2019, 11, 108-114.	3.6	34
114	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
115	DNA4mC-LIP: a linear integration method to identify N4-methylcytosine site in multiple species. <i>Bioinformatics</i> , 2020, 36, 3327-3335.	4.1	33
116	Interval Type-2 Fuzzy Disturbance Observer-Based T $\hat{\epsilon}$ S Fuzzy Control for a Pneumatic Flexible Joint. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 5962-5972.	7.9	33
117	Two-Locus Heterogeneity Cannot Be Distinguished from Two-Locus Epistasis on the Basis of Affected-Sib-Pair Data. <i>American Journal of Human Genetics</i> , 2003, 73, 223-232.	6.2	32
118	Prediction of protein structural classes based on feature selection technique. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2014, 6, 235-240.	3.6	32
119	Supernumerary Robotic Limbs: A Review and Future Outlook. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2021, 3, 623-639.	3.2	32
120	Integrative Analysis of Cancer Diagnosis Studies with Composite Penalization. <i>Scandinavian Journal of Statistics</i> , 2014, 41, 87-103.	1.4	31
121	Reinforcement learning-based shared control for walking-aid robot and its experimental verification. <i>Advanced Robotics</i> , 2015, 29, 1463-1481.	1.8	31
122	Oracle inequalities for sparse additive quantile regression in reproducing kernel Hilbert space. <i>Annals of Statistics</i> , 2018, 46, .	2.6	31
123	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
124	Clustering threshold gradient descent regularization: with applications to microarray studies. <i>Bioinformatics</i> , 2007, 23, 466-472.	4.1	30
125	A Study on Error Recovery Search Strategies of Electronic Connector Mating for Robotic Fault-Tolerant Assembly. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2016, 81, 257-271.	3.4	30
126	A novel peptide specifically binding to VEGF receptor suppresses angiogenesis in vitro and in vivo. <i>Signal Transduction and Targeted Therapy</i> , 2017, 2, 17010.	17.1	30



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127	CoMM-S2: a collaborative mixed model using summary statistics in transcriptome-wide association studies. <i>Bioinformatics</i> , 2020, 36, 2009-2016.	4.1	30
128	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
129	A comprehensive overview of oncogenic pathways in human cancer. <i>Briefings in Bioinformatics</i> , 2020, 21, 957-969.	6.5	29
130	Compositional Bias in Naïve and Chemically-modified Phage-Displayed Libraries uncovered by Paired-end Deep Sequencing. <i>Scientific Reports</i> , 2018, 8, 1214.	3.3	28
131	A Wearable Activity Recognition Device Using Air-Pressure and IMU Sensors. <i>IEEE Access</i> , 2019, 7, 6611-6621.	4.2	28
132	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
133	Deciphering the associations between gene expression and copy number alteration using a sparse double Laplacian shrinkage approach. <i>Bioinformatics</i> , 2015, 31, 3977-3983.	4.1	27
134	Tandem Stance Avoidance Using Adaptive and Asymmetric Admittance Control for Fall Prevention. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2016, 24, 542-550.	4.9	27
135	The Posterior Probability of Linkage Allowing for Linkage Disequilibrium and a New Estimate of Disequilibrium between a Trait and a Marker. <i>Human Heredity</i> , 2005, 59, 210-219.	0.8	25
136	A Wearable Rehabilitation Robotic Hand Driven by PM-TS Actuators. <i>Lecture Notes in Computer Science</i> , 2010, , 440-450.	1.3	25
137	Distinct Functional Patterns of Gene Promoter Hypomethylation and Hypermethylation in Cancer Genomes. <i>PLoS ONE</i> , 2012, 7, e44822.	2.5	25
138	Sliding mode tracking for actuators comprising pneumatic muscle and torsion spring. <i>Transactions of the Institute of Measurement and Control</i> , 2012, 34, 255-277.	1.7	24
139	Incorporating group correlations in genome-wide association studies using smoothed group Lasso. <i>Biostatistics</i> , 2013, 14, 205-219.	1.5	24
140	A Penalized Robust Method for Identifying Gene-Environment Interactions. <i>Genetic Epidemiology</i> , 2014, 38, 220-230.	1.3	24
141	Switching Dynamic Modeling and Driving Stability Analysis of Three-Wheeled Narrow Tilting Vehicle. <i>IEEE/ASME Transactions on Mechatronics</i> , 2014, 19, 1309-1322.	5.8	24
142	Biopanning data bank 2018: hugging next generation phage display. <i>Database: the Journal of Biological Databases and Curation</i> , 2018, 2018, .	3.0	23
143	Soft Rehabilitation and Nursing-Care Robots: A Review and Future Outlook. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3102.	2.5	23
144	Rlscoper: a tool for RNA-RNA interaction extraction from the literature. <i>Bioinformatics</i> , 2019, 35, 3199-3202.	4.1	23

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145	Identifying gene-gene interactions using penalized tensor regression. <i>Statistics in Medicine</i> , 2018, 37, 598-610.	1.6	22
146	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
147	HLA class I expression in primary hepatocellular carcinoma. <i>World Journal of Gastroenterology</i> , 2002, 8, 654.	3.3	22
148	Study of Fall Detection Using Intelligent Cane Based on Sensor Fusion. , 2008, , .		21
149	Fuzzy PID control of a wearable rehabilitation robotic hand driven by pneumatic muscles. , 2009, , .		21
150	Robust stability conditions for remote SISO DMC controller in networked control systems. <i>Journal of Process Control</i> , 2009, 19, 743-750.	3.3	21
151	Identification of cancer genomic markers via integrative sparse boosting. <i>Biostatistics</i> , 2012, 13, 509-522.	1.5	21
152	Embelin Restores Carbapenem Efficacy against NDM-1-Positive Pathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 71.	3.5	21
153	Deletion of <i>Axin1</i> in condylar chondrocytes leads to osteoarthritis-like phenotype in temporomandibular joint via activation of $\beta$ -catenin and FGF signaling. <i>Journal of Cellular Physiology</i> , 2019, 234, 1720-1729.	4.1	21
154	Deletion of <i>Runx2</i> in condylar chondrocytes disrupts TMJ tissue homeostasis. <i>Journal of Cellular Physiology</i> , 2019, 234, 3436-3444.	4.1	21
155	Fall detection and prevention in the elderly based on the ZMP stability control. , 2013, , .		20
156	Promoting Similarity of Sparsity Structures in Integrative Analysis With Penalization. <i>Journal of the American Statistical Association</i> , 2017, 112, 342-350.	3.1	20
157	High expression of LAMP2 predicts poor prognosis in patients with esophageal squamous cell carcinoma. <i>Cancer Biomarkers</i> , 2017, 19, 305-311.	1.7	20
158	Upper Limb Rehabilitation Robot Powered by PAMs Cooperates with FES Arrays to Realize Reach-to-Grasp Trainings. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-15.	1.9	20
159	Single-Layer Learning-Based Predictive Control With Echo State Network for Pneumatic-Muscle-Actuators-Driven Exoskeleton. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021, 13, 80-90.	3.8	20
160	Protective Effects of Puerarin on Premature Ovarian Failure via Regulation of Wnt/ $\beta$ -catenin Signaling Pathway and Oxidative Stress. <i>Reproductive Sciences</i> , 2021, 28, 982-990.	2.5	20
161	Adaptive neural network control for quadrotor unmanned aerial vehicles. , 2017, , .		19
162	Capturing functional long non-coding RNAs through integrating large-scale causal relations from gene perturbation experiments. <i>EBioMedicine</i> , 2018, 35, 369-380.	6.1	19

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163	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
164	Mimotope-Based Prediction of B-Cell Epitopes. Methods in Molecular Biology, 2014, 1184, 237-243.	0.9	19
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