

Bitao Yao

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4768444/bitao-yao-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139
papers

1,707
citations

23
h-index

34
g-index

194
ext. papers

2,280
ext. citations

3.5
avg, IF

5.14
L-index

#	Paper	IF	Citations
139	Robot learning towards smart robotic manufacturing: A review. <i>Robotics and Computer-Integrated Manufacturing</i> , 2022 , 77, 102360	9.2	1
138	Design and Control of a Reconfigurable Upper Limb Rehabilitation Exoskeleton With Soft Modular Joints. <i>IEEE Access</i> , 2021 , 9, 166815-166824	3.5	2
137	Path Planning and Impedance Control of a Soft Modular Exoskeleton for Coordinated Upper Limb Rehabilitation. <i>Frontiers in Neurorobotics</i> , 2021 , 15, 745531	3.4	1
136	Design and Hierarchical Force-Position Control of Redundant Pneumatic Muscles-Cable-Driven Ankle Rehabilitation Robot. <i>IEEE Robotics and Automation Letters</i> , 2021 , 1-1	4.2	3
135	Online detection of class-imbalanced error-related potentials evoked by motor imagery. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	2
134	Research on Channel Selection and Multi-Feature Fusion of EEG Signals for Mental Fatigue Detection. <i>Entropy</i> , 2021 , 23,	2.8	3
133	Task-level decision-making for dynamic and stochastic human-robot collaboration based on dual agents deep reinforcement learning. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 115, 3533-3552	3.2	5
132	Interlocking problems in disassembly sequence planning. <i>International Journal of Production Research</i> , 2021 , 59, 4723-4735	7.8	5
131	Digital twin-based industrial cloud robotics: Framework, control approach and implementation. <i>Journal of Manufacturing Systems</i> , 2021 , 58, 196-209	9.1	19
130	Constructing an efficient and adaptive learning model for 3D object generation. <i>IET Image Processing</i> , 2021 , 15, 1745-1758	1.7	1
129	An Attention-Based CNN-LSTM Model with Limb Synergy for Joint Angles Prediction 2021 ,		2
128	Human-robot collaborative disassembly line balancing considering the safe strategy in remanufacturing. <i>Journal of Cleaner Production</i> , 2021 , 324, 129158	10.3	7
127	sEMG-Based Dynamic Muscle Fatigue Classification Using SVM with Improved Whale Optimization Algorithm. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	4
126	Machine Learning in Robot Assisted Upper Limb Rehabilitation: A Focused Review. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 1-1	3	3
125	Joint offloading decision and resource allocation for mobile edge computing enabled networks. <i>Computer Communications</i> , 2020 , 154, 361-369	5.1	9
124	Unfastening of Hexagonal Headed Screws by a Collaborative Robot. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-14	4.9	7
123	A case study in human-robot collaboration in the disassembly of press-fitted components. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2020 , 234, 654-664	2.4	24

122	MISO Model Free Adaptive Control of Single Joint Rehabilitation Robot Driven by Pneumatic Artificial Muscles 2020 ,		3
121	An Intelligent Computation Demand Response Framework for IIoT-MEC Interactive Networks. <i>IEEE Networking Letters</i> , 2020 , 2, 154-158	2.8	7
120	Towards Shared Autonomy Framework for Human-Aware Motion Planning in Industrial Human-Robot Collaboration 2020 ,		2
119	Multi-objective evolutionary simulated annealing optimisation for mixed-model multi-robotic disassembly line balancing with interval processing time. <i>International Journal of Production Research</i> , 2020 , 58, 846-862	7.8	33
118	Collaborative Optimization of Service Scheduling for Industrial Cloud Robotics Based on Knowledge Sharing. <i>Procedia CIRP</i> , 2019 , 83, 132-138	1.8	6
117	Parallel Computing for Quantitative Blood Flow Imaging in Photoacoustic Microscopy. <i>Sensors</i> , 2019 , 19,	3.8	5
116	. <i>IEEE Access</i> , 2019 , 7, 53731-53742	3.5	21
115	A new IMMU-based data glove for hand motion capture with optimized sensor layout. <i>International Journal of Intelligent Robotics and Applications</i> , 2019 , 3, 19-32	1.7	4
114	Hammerstein model for hysteresis characteristics of pneumatic muscle actuators. <i>International Journal of Intelligent Robotics and Applications</i> , 2019 , 3, 33-44	1.7	11
113	Disassembly sequence planning: Recent developments and future trends. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019 , 233, 1450-1471	2.4	45
112	The selection of key temperature measurement points for thermal error modeling of heavy-duty computer numerical control machine tools with density peaks clustering. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401983951	1.2	2
111	Key point selection in large-scale FBG temperature sensors for thermal error modeling of heavy-duty CNC machine tools. <i>Frontiers of Mechanical Engineering</i> , 2019 , 14, 442-451	3.3	1
110	Cortex-wide multiparametric photoacoustic microscopy based on real-time contour scanning. <i>Neurophotonics</i> , 2019 , 6, 035012	3.9	6
109	Human-robot collaboration in disassembly for sustainable manufacturing. <i>International Journal of Production Research</i> , 2019 , 57, 4027-4044	7.8	48
108	Coupling Disturbance Compensated MIMO Control of Parallel Ankle Rehabilitation Robot Actuated by Pneumatic Muscles 2019 ,		1
107	Iterative Feedback Tuning-based Model-Free Adaptive Iterative Learning Control of Pneumatic Artificial Muscle 2019 ,		4
106	Brain-robot Shared Control Based on Motor Imagery and Improved Bayes Filter* 2019 ,		1
105	Design and Modelling of a Compliant Ankle Rehabilitation Robot Redundantly Driven by Pneumatic Muscles 2019 ,		1

104	A function block based cyber-physical production system for physical human-robot interaction. <i>Journal of Manufacturing Systems</i> , 2018 , 48, 12-23	9.1	27
103	Multi-layer based multi-path routing algorithm for maximizing spectrum availability. <i>Wireless Networks</i> , 2018 , 24, 897-909	2.5	4
102	Online machine health prognostics based on modified duration-dependent hidden semi-Markov model and high-order particle filtering. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 94, 1283-1297	3.2	17
101	Design and Evaluation of a Real Time Physiological Signals Acquisition System Implemented in Multi-Operating Rooms for Anesthesia. <i>Journal of Medical Systems</i> , 2018 , 42, 148	5.1	5
100	Efficient caching strategy in content-centric networking for vehicular ad-hoc network applications. <i>IET Intelligent Transport Systems</i> , 2018 , 12, 703-711	2.4	14
99	Mutual-Information-Based Incremental Relaying Communications for Wireless Biomedical Implant Systems. <i>Sensors</i> , 2018 , 18,	3.8	14
98	Electroencephalogram Similarity Analysis Using Temporal and Spectral Dynamics Analysis for Propofol and Desflurane Induced Unconsciousness. <i>Symmetry</i> , 2018 , 10, 15	2.7	2
97	Frontal EEG Temporal and Spectral Dynamics Similarity Analysis between Propofol and Desflurane Induced Anesthesia Using Hilbert-Huang Transform. <i>BioMed Research International</i> , 2018 , 2018, 4939480 ³		4
96	Energy consumption modeling of industrial robot based on simulated power data and parameter identification. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401877385	1.2	13
95	Sample entropy analysis for the estimating depth of anaesthesia through human EEG signal at different levels of unconsciousness during surgeries. <i>PeerJ</i> , 2018 , 6, e4817	3.1	26
94	Upper limb rehabilitation using robotic exoskeleton systems: a systematic review. <i>International Journal of Intelligent Robotics and Applications</i> , 2018 , 2, 283-295	1.7	49
93	Fog Computing-Based Cyber-Physical Machine Tool System. <i>IEEE Access</i> , 2018 , 6, 44580-44590	3.5	15
92	An improved multi-objective discrete bees algorithm for robotic disassembly line balancing problem in remanufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 3937-3962 ⁴⁵	3.3	45
91	An Improved Feature Extraction Method for Rolling Bearing Fault Diagnosis Based on MEMD and PE. <i>Polish Maritime Research</i> , 2018 , 25, 98-106	1.7	1
90	Robotic disassembly sequence planning using enhanced discrete bees algorithm in remanufacturing. <i>International Journal of Production Research</i> , 2018 , 56, 3134-3151	7.8	51
89	Cloud-based approach for smart product personalization. <i>Procedia CIRP</i> , 2018 , 72, 922-927	1.8	10
88	Selection of key temperature measuring points for thermal error modeling of CNC machine tools. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2018 , 12, JAMDSM0131-JAMDSM0131 ⁶	9.6	5
87	Wireless Body Area Network Mobility-Aware Task Offloading Scheme. <i>IEEE Access</i> , 2018 , 6, 61366-61376 ⁵	3.5	13

86	An Extreme Learning Machine Method for Multi-Classification with Mahalanobis Distance 2018 ,		3
85	Complexity optimization based on the order of coalition formation in cooperative spectrum sensing in cognitive radio networks. <i>Journal of Industrial and Production Engineering</i> , 2018 , 35, 421-431	1	1
84	An intelligent service matching method for mechanical equipment condition monitoring using the fibre Bragg grating sensor network. <i>Enterprise Information Systems</i> , 2017 , 11, 284-309	3.5	6
83	Prevalence and burden of <i>Toxoplasma gondii</i> infection in HIV-infected people: a systematic review and meta-analysis. <i>Lancet HIV,the</i> , 2017 , 4, e177-e188	7.8	107
82	Condition monitoring towards energy-efficient manufacturing: a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 91, 3395-3415	3.2	25
81	Implementation of hardware TCP/IP stack for DAQ systems with flexible data channel. <i>Electronics Letters</i> , 2017 , 53, 530-532	1.1	2
80	Survey on coexistence of heterogeneous wireless networks in 2.4 GHz and TV white spaces. <i>International Journal of Distributed Sensor Networks</i> , 2017 , 13, 155014771770396	1.7	3
79	Improved spectrum analysis in EEG for measure of depth of anesthesia based on phase-rectified signal averaging. <i>Physiological Measurement</i> , 2017 , 38, 116-138	2.9	10
78	EEG artifacts reduction by multivariate empirical mode decomposition and multiscale entropy for monitoring depth of anaesthesia during surgery. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 1435-1450	3.1	14
77	Video based object representation and classification using multiple covariance matrices. <i>PLoS ONE</i> , 2017 , 12, e0176598	3.7	
76	Open Industrial Knowledge Graph Development for Intelligent Manufacturing Service Matchmaking 2017 ,		3
75	Disturbance-Estimated Adaptive Backstepping Sliding Mode Control of a Pneumatic Muscles-Driven Ankle Rehabilitation Robot. <i>Sensors</i> , 2017 , 18,	3.8	16
74	Manufacturing Capability Assessment for Human-Robot Collaborative Disassembly Based on Multi-Data Fusion. <i>Procedia Manufacturing</i> , 2017 , 10, 26-36	1.5	10
73	Dynamic and unified modelling of sustainable manufacturing capability for industrial robots in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 93, 2753-2771	3.2	13
72	On-demand ecology-inspired spectrum allocation mechanism for heterogeneous cognitive radio networks. <i>Telecommunication Systems</i> , 2017 , 66, 589-601	2.3	1
71	Robust Iterative Feedback Tuning Control of a Compliant Rehabilitation Robot for Repetitive Ankle Training. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 173-184	5.5	69
70	Compliance adaptation of an intrinsically soft ankle rehabilitation robot driven by pneumatic muscles 2017 ,		5
69	Vertical Handover Algorithm for WBANs in Ubiquitous Healthcare with Quality of Service Guarantees. <i>Information (Switzerland)</i> , 2017 , 8, 34	2.6	5

68	Feature Selection for Motor Imagery EEG Classification Based on Firefly Algorithm and Learning Automata. <i>Sensors</i> , 2017 , 17,	3.8	37
67	Research on Lower Limb Motion Recognition Based on Fusion of sEMG and Accelerometer Signals. <i>Symmetry</i> , 2017 , 9, 147	2.7	21
66	Hierarchical Compliance Control of a Soft Ankle Rehabilitation Robot Actuated by Pneumatic Muscles. <i>Frontiers in Neurorobotics</i> , 2017 , 11, 64	3.4	21
65	HRV-derived data similarity and distribution index based on ensemble neural network for measuring depth of anaesthesia. <i>PeerJ</i> , 2017 , 5, e4067	3.1	7
64	An improved discrete bees algorithm for correlation-aware service aggregation optimization in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 17-28	3.2	58
63	Improved measure of evidence conflict based on pignistic probability distance 2016 ,		1
62	A MUSIC-based method for SSVEP signal processing. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2016 , 39, 71-84	1.9	3
61	Identification and optimal selection of temperature-sensitive measuring points of thermal error compensation on a heavy-duty machine tool. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 85, 345-353	3.2	21
60	Combined prediction model of quantum genetic grey prediction model and support vector machine 2016 ,		1
59	Bio-Inspired Design and Iterative Feedback Tuning Control of a Wearable Ankle Rehabilitation Robot. <i>Journal of Computing and Information Science in Engineering</i> , 2016 , 16,	2.4	7
58	A New Heuristic Scheduling Strategy LBMM in Cloud Computing 2016 ,		1
57	Robustness Analysis of the Thermal Error Model for a CNC Machine Tool 2016 ,		2
56	A Subject-Specific EMG-Driven Musculoskeletal Model for Applications in Lower-Limb Rehabilitation Robotics. <i>International Journal of Humanoid Robotics</i> , 2016 , 13, 1650005	1.2	15
55	Cyanogenetic glycosides and simple glycosides from the linseed meal. <i>Fitoterapia</i> , 2015 , 106, 78-83	3.2	6
54	Ecology-Based Coexistence Mechanism in Heterogeneous Cognitive Radio Networks 2015 ,		4
53	EEG Signals Analysis Using Multiscale Entropy for Depth of Anesthesia Monitoring during Surgery through Artificial Neural Networks. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 232381	2.8	34
52	Myopic policy for opportunistic access in cognitive radio networks by exploiting primary user feedbacks. <i>IET Communications</i> , 2015 , 9, 1017-1025	1.3	8
51	Knowledge modeling of fault diagnosis for rotating machinery based on ontology 2015 ,		4

50	Design and control of a robotic wrist orthosis for joint rehabilitation 2015 ,		7
49	On Optimality of Myopic Policy for Opportunistic Access With Nonidentical Channels and Imperfect Sensing. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 2478-2483	6.8	18
48	An EMG-based force prediction and control approach for robot-assisted lower limb rehabilitation 2014 ,		11
47	Empirical analysis of ZigBee and WiFi coexistence 2014 ,		6
46	Path Control of a Rehabilitation Robot Using Virtual Tunnel and Adaptive Impedance Controller 2014 ,		5
45	Delay Calibration Method for Wavelength-Swept Laser-Based FBG Demodulation System. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2090-2092	2.2	12
44	Spectrum allocation optimization for Cognitive Radio networks using Binary Firefly Algorithm 2014 ,		8
43	Intelligent Supply Chain Integration and Management Based on Cloud of Things. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 624839	1.7	44
42	A feature fusion based forecasting model for financial time series. <i>PLoS ONE</i> , 2014 , 9, e101113	3.7	26
41	Multichannel Opportunistic Access by Overhearing Primary ARQ Messages. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 3486-3492	6.8	13
40	On Optimality of Myopic Sensing Policy with Imperfect Sensing in Multi-Channel Opportunistic Access. <i>IEEE Transactions on Communications</i> , 2013 , 61, 3854-3862	6.9	15
39	An analytical approach to customer requirement information processing. <i>Enterprise Information Systems</i> , 2013 , 7, 543-557	3.5	25
38	A method for determining customer requirement weights based on TFMF and TLR. <i>Enterprise Information Systems</i> , 2013 , 7, 569-580	3.5	9
37	Analysis of EEG via Multivariate Empirical Mode Decomposition for Depth of Anesthesia Based on Sample Entropy. <i>Entropy</i> , 2013 , 15, 3458-3470	2.8	45
36	Fault Diagnosis of Rolling Bearing Based on Wavelet Package Transform and Ensemble Empirical Mode Decomposition. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 792584	1.2	12
35	Multi-agent-based proactive/reactive scheduling for a job shop. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 59, 311-324	3.2	43
34	On Optimality of Myopic Policy in Opportunistic Spectrum Access: The Case of Sensing Multiple Channels and Accessing One Channel. <i>IEEE Wireless Communications Letters</i> , 2012 , 1, 452-455	5.9	13
33	Quality of service in manufacturing networks: a service framework and its implementation. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 63, 1227-1237	3.2	17

32	Adaptive Computation of Multiscale Entropy and Its Application in EEG Signals for Monitoring Depth of Anesthesia During Surgery. <i>Entropy</i> , 2012 , 14, 978-992	2.8	39
31	Multivariate Multiscale Entropy Applied to Center of Pressure Signals Analysis: An Effect of Vibration Stimulation of Shoes. <i>Entropy</i> , 2012 , 14, 2157-2172	2.8	33
30	A system architecture for production-oriented manufacturing grid. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 61, 667-676	3.2	1
29	(2D)2LDALPP: A Novel Approach to Face Recognition. <i>International Journal of Advanced Robotic Systems</i> , 2012 , 9, 221	1.4	0
28	Regions of interest extraction from color image based on visual saliency. <i>Journal of Supercomputing</i> , 2011 , 58, 20-33	2.5	18
27	Resource management based on multi-agent technology for cloud manufacturing 2011 ,		12
26	A Cyber-Physical System for Public Environment Perception and Emergency Handling 2011 ,		5
25	USB Key-Based Dual-Factor Dynamic Authentication Scheme 2010 ,		1
24	Applying dual digital watermarking technology in digital rights management 2010 ,		1
23	Color image segmentation by seeded region growing and region merging 2010 ,		8
22	Tracking in clutter based on Mean Shift embedded particle filter 2010 ,		1
21	A STEP-based Generic Product Modeling Architecture for collaborative injection moulding product development. <i>Human Factors and Ergonomics in Manufacturing</i> , 2010 , 20, 547-566	1.4	3
20	Grouping-Based Fine-Grained Job Scheduling in Grid Computing 2009 ,		18
19	Automatic Central Object Extraction from Color Image 2009 ,		3
18	Grid-Enabled Fault Diagnostic System for Manufacturing Equipments 2008 ,		1
17	A Trust Model Based on Subjective Logic for Multi-Domains in Grids 2008 ,		7
16	A WWW-based Collaborative Design and Manufacturing System for rapid mould product development 2008 ,		1
15	Research on the Application of Ant Colony Algorithm in Grid Resource Scheduling 2008 ,		3

14	Conflict Resolution within Multi-agent System in Collaborative Design 2008 ,	3
13	A novel real-time video digital watermarking algorithm 2008 ,	1
12	A Collaborative Production Planning Model for Multi-agent Based Supply Chain 2008 ,	2
11	Robust Video Watermarking Algorithm Based on H.264 2008 ,	1
10	A Tire Pressure Monitoring System Based on Wireless Sensor Networks Technology 2008 ,	9
9	Correction of the Asymmetrical Circular Projection in DLT Camera Calibration 2008 ,	2
8	Semi-fragile watermarking algorithm for image tampers localization and recovery. <i>Journal of Electronics</i> , 2008 , 25, 343-351	5
7	An Orientation Independent Texture Descriptor for Image Retrieval 2007 ,	6
6	Watermarking of 3D Polygonal Meshes Based on Feature Points 2007 ,	1
5	The HMM-based Modeling for the Energy Level Prediction in Wireless Sensor Networks 2007 ,	25
4	Design and Realization of a Meaningful Digital Watermarking Algorithm Based on RBF Neural Network 2006 ,	2
3	Realization of A Web-based Remote Service Platform 2006 ,	1
2	Design and Realization of a Meaningful Digital Watermarking Algorithm Based on RBF Neural Network*	2
1	A closed-loop brain-computer interface with augmented reality feedback for industrial human-robot collaboration. <i>International Journal of Advanced Manufacturing Technology</i> ,1	3.2 3