

# Bitao Yao

## List of Publications by Citations

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

**Version:** 2024-04-28

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	Prevalence and burden of <i>Toxoplasma gondii</i> infection in HIV-infected people: a systematic review and meta-analysis. <i>Lancet HIV</i> , <b>2017</b> , 4, e177-e188	7.8	107
138	Robust Iterative Feedback Tuning Control of a Compliant Rehabilitation Robot for Repetitive Ankle Training. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2017</b> , 22, 173-184	5.5	69
137	An improved discrete bees algorithm for correlation-aware service aggregation optimization in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 17-28	3.2	58
136	Robotic disassembly sequence planning using enhanced discrete bees algorithm in remanufacturing. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 3134-3151	7.8	51
135	Upper limb rehabilitation using robotic exoskeleton systems: a systematic review. <i>International Journal of Intelligent Robotics and Applications</i> , <b>2018</b> , 2, 283-295	1.7	49
134	Human-robot collaboration in disassembly for sustainable manufacturing. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 4027-4044	7.8	48
133	An improved multi-objective discrete bees algorithm for robotic disassembly line balancing problem in remanufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 97, 3937-3962 <sup>45</sup>	3.2	45
132	Disassembly sequence planning: Recent developments and future trends. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2019</b> , 233, 1450-1471	2.4	45
131	Analysis of EEG via Multivariate Empirical Mode Decomposition for Depth of Anesthesia Based on Sample Entropy. <i>Entropy</i> , <b>2013</b> , 15, 3458-3470	2.8	45
130	Intelligent Supply Chain Integration and Management Based on Cloud of Things. <i>International Journal of Distributed Sensor Networks</i> , <b>2014</b> , 10, 624839	1.7	44
129	Multi-agent-based proactive-reactive scheduling for a job shop. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 59, 311-324	3.2	43
128	Adaptive Computation of Multiscale Entropy and Its Application in EEG Signals for Monitoring Depth of Anesthesia During Surgery. <i>Entropy</i> , <b>2012</b> , 14, 978-992	2.8	39
127	Feature Selection for Motor Imagery EEG Classification Based on Firefly Algorithm and Learning Automata. <i>Sensors</i> , <b>2017</b> , 17,	3.8	37
126	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> , <b>2015</b> , 2015, 232381	2.8	34
125	Multivariate Multiscale Entropy Applied to Center of Pressure Signals Analysis: An Effect of Vibration Stimulation of Shoes. <i>Entropy</i> , <b>2012</b> , 14, 2157-2172	2.8	33
124	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> , <b>2020</b> , 58, 846-862	7.8	33
123	A function block based cyber-physical production system for physical human-robot interaction. <i>Journal of Manufacturing Systems</i> , <b>2018</b> , 48, 12-23	9.1	27

122	Sample entropy analysis for the estimating depth of anaesthesia through human EEG signal at different levels of unconsciousness during surgeries. <i>PeerJ</i> , <b>2018</b> , 6, e4817	3.1	26
121	A feature fusion based forecasting model for financial time series. <i>PLoS ONE</i> , <b>2014</b> , 9, e101113	3.7	26
120	Condition monitoring towards energy-efficient manufacturing: a review. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 91, 3395-3415	3.2	25
119	An analytical approach to customer requirement information processing. <i>Enterprise Information Systems</i> , <b>2013</b> , 7, 543-557	3.5	25
118	The HMM-based Modeling for the Energy Level Prediction in Wireless Sensor Networks <b>2007</b> ,		25
117	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> , <b>2020</b> , 234, 654-664	2.4	24
116	. <i>IEEE Access</i> , <b>2019</b> , 7, 53731-53742	3.5	21
115	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> , <b>2016</b> , 85, 345-353	3.2	21
114	Research on Lower Limb Motion Recognition Based on Fusion of sEMG and Accelerometer Signals. <i>Symmetry</i> , <b>2017</b> , 9, 147	2.7	21
113	Hierarchical Compliance Control of a Soft Ankle Rehabilitation Robot Actuated by Pneumatic Muscles. <i>Frontiers in Neurobotics</i> , <b>2017</b> , 11, 64	3.4	21
112	Digital twin-based industrial cloud robotics: Framework, control approach and implementation. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 58, 196-209	9.1	19
111	On Optimality of Myopic Policy for Opportunistic Access With Nonidentical Channels and Imperfect Sensing. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 2478-2483	6.8	18
110	Regions of interest extraction from color image based on visual saliency. <i>Journal of Supercomputing</i> , <b>2011</b> , 58, 20-33	2.5	18
109	Grouping-Based Fine-Grained Job Scheduling in Grid Computing <b>2009</b> ,		18
108	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> , <b>2018</b> , 94, 1283-1297	3.2	17
107	Quality of service in manufacturing networks: a service framework and its implementation. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 63, 1227-1237	3.2	17
106	Disturbance-Estimated Adaptive Backstepping Sliding Mode Control of a Pneumatic Muscles-Driven Ankle Rehabilitation Robot. <i>Sensors</i> , <b>2017</b> , 18,	3.8	16
105	Fog Computing-Based Cyber-Physical Machine Tool System. <i>IEEE Access</i> , <b>2018</b> , 6, 44580-44590	3.5	15

104	On Optimality of Myopic Sensing Policy with Imperfect Sensing in Multi-Channel Opportunistic Access. <i>IEEE Transactions on Communications</i> , <b>2013</b> , 61, 3854-3862	6.9	15
103	A Subject-Specific EMG-Driven Musculoskeletal Model for Applications in Lower-Limb Rehabilitation Robotics. <i>International Journal of Humanoid Robotics</i> , <b>2016</b> , 13, 1650005	1.2	15
102	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> , <b>2017</b> , 55, 1435-1450	3.1	14
101	Efficient caching strategy in content-centric networking for vehicular ad-hoc network applications. <i>IET Intelligent Transport Systems</i> , <b>2018</b> , 12, 703-711	2.4	14
100	Mutual-Information-Based Incremental Relaying Communications for Wireless Biomedical Implant Systems. <i>Sensors</i> , <b>2018</b> , 18,	3.8	14
99	Energy consumption modeling of industrial robot based on simulated power data and parameter identification. <i>Advances in Mechanical Engineering</i> , <b>2018</b> , 10, 168781401877385	1.2	13
98	Multichannel Opportunistic Access by Overhearing Primary ARQ Messages. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 3486-3492	6.8	13
97	Dynamic and unified modelling of sustainable manufacturing capability for industrial robots in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 93, 2753-2771	3.2	13
96	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> , <b>2012</b> , 1, 452-455	5.9	13
95	Wireless Body Area Network Mobility-Aware Task Offloading Scheme. <i>IEEE Access</i> , <b>2018</b> , 6, 61366-61376	3.5	13
94	Delay Calibration Method for Wavelength-Swept Laser-Based FBG Demodulation System. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2090-2092	2.2	12
93	Resource management based on multi-agent technology for cloud manufacturing <b>2011</b> ,		12
92	Fault Diagnosis of Rolling Bearing Based on Wavelet Package Transform and Ensemble Empirical Mode Decomposition. <i>Advances in Mechanical Engineering</i> , <b>2013</b> , 5, 792584	1.2	12
91	Hammerstein model for hysteresis characteristics of pneumatic muscle actuators. <i>International Journal of Intelligent Robotics and Applications</i> , <b>2019</b> , 3, 33-44	1.7	11
90	An EMG-based force prediction and control approach for robot-assisted lower limb rehabilitation <b>2014</b> ,		11
89	Improved spectrum analysis in EEG for measure of depth of anesthesia based on phase-rectified signal averaging. <i>Physiological Measurement</i> , <b>2017</b> , 38, 116-138	2.9	10
88	Manufacturing Capability Assessment for Human-Robot Collaborative Disassembly Based on Multi-Data Fusion. <i>Procedia Manufacturing</i> , <b>2017</b> , 10, 26-36	1.5	10
87	Cloud-based approach for smart product personalization. <i>Procedia CIRP</i> , <b>2018</b> , 72, 922-927	1.8	10

86	Joint offloading decision and resource allocation for mobile edge computing enabled networks. <i>Computer Communications</i> , <b>2020</b> , 154, 361-369	5.1	9
85	A method for determining customer requirement weights based on TFMF and TLR. <i>Enterprise Information Systems</i> , <b>2013</b> , 7, 569-580	3.5	9
84	A Tire Pressure Monitoring System Based on Wireless Sensor Networks Technology <b>2008</b> ,		9
83	Myopic policy for opportunistic access in cognitive radio networks by exploiting primary user feedbacks. <i>IET Communications</i> , <b>2015</b> , 9, 1017-1025	1.3	8
82	Spectrum allocation optimization for Cognitive Radio networks using Binary Firefly Algorithm <b>2014</b> ,		8
81	Color image segmentation by seeded region growing and region merging <b>2010</b> ,		8
80	Unfastening of Hexagonal Headed Screws by a Collaborative Robot. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2020</b> , 1-14	4.9	7
79	Design and control of a robotic wrist orthosis for joint rehabilitation <b>2015</b> ,		7
78	A Trust Model Based on Subjective Logic for Multi-Domains in Grids <b>2008</b> ,		7
77	HRV-derived data similarity and distribution index based on ensemble neural network for measuring depth of anaesthesia. <i>PeerJ</i> , <b>2017</b> , 5, e4067	3.1	7
76	An Intelligent Computation Demand Response Framework for IIoT-MEC Interactive Networks. <i>IEEE Networking Letters</i> , <b>2020</b> , 2, 154-158	2.8	7
75	Bio-Inspired Design and Iterative Feedback Tuning Control of a Wearable Ankle Rehabilitation Robot. <i>Journal of Computing and Information Science in Engineering</i> , <b>2016</b> , 16,	2.4	7
74	Human-robot collaborative disassembly line balancing considering the safe strategy in remanufacturing. <i>Journal of Cleaner Production</i> , <b>2021</b> , 324, 129158	10.3	7
73	An intelligent service matching method for mechanical equipment condition monitoring using the fibre Bragg grating sensor network. <i>Enterprise Information Systems</i> , <b>2017</b> , 11, 284-309	3.5	6
72	Collaborative Optimization of Service Scheduling for Industrial Cloud Robotics Based on Knowledge Sharing. <i>Procedia CIRP</i> , <b>2019</b> , 83, 132-138	1.8	6
71	Cyanogenetic glycosides and simple glycosides from the linseed meal. <i>Fitoterapia</i> , <b>2015</b> , 106, 78-83	3.2	6
70	Empirical analysis of ZigBee and WiFi coexistence <b>2014</b> ,		6
69	An Orientation Independent Texture Descriptor for Image Retrieval <b>2007</b> ,		6

68	Cortex-wide multiparametric photoacoustic microscopy based on real-time contour scanning. <i>Neurophotonics</i> , <b>2019</b> , 6, 035012	3.9	6
67	Parallel Computing for Quantitative Blood Flow Imaging in Photoacoustic Microscopy. <i>Sensors</i> , <b>2019</b> , 19,	3.8	5
66	Design and Evaluation of a Real Time Physiological Signals Acquisition System Implemented in Multi-Operating Rooms for Anesthesia. <i>Journal of Medical Systems</i> , <b>2018</b> , 42, 148	5.1	5
65	Compliance adaptation of an intrinsically soft ankle rehabilitation robot driven by pneumatic muscles <b>2017</b> ,		5
64	Vertical Handover Algorithm for WBANs in Ubiquitous Healthcare with Quality of Service Guarantees. <i>Information (Switzerland)</i> , <b>2017</b> , 8, 34	2.6	5
63	Path Control of a Rehabilitation Robot Using Virtual Tunnel and Adaptive Impedance Controller <b>2014</b> ,		5
62	A Cyber-Physical System for Public Environment Perception and Emergency Handling <b>2011</b> ,		5
61	Semi-fragile watermarking algorithm for image tampers localization and recovery. <i>Journal of Electronics</i> , <b>2008</b> , 25, 343-351		5
60	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> , <b>2021</b> , 115, 3533-3552	3.2	5
59	Interlocking problems in disassembly sequence planning. <i>International Journal of Production Research</i> , <b>2021</b> , 59, 4723-4735	7.8	5
58	Selection of key temperature measuring points for thermal error modeling of CNC machine tools. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , <b>2018</b> , 12, JAMDSM0131-JAMDSM0131 <sup>9,6</sup>		5
57	A new IMMU-based data glove for hand motion capture with optimized sensor layout. <i>International Journal of Intelligent Robotics and Applications</i> , <b>2019</b> , 3, 19-32	1.7	4
56	Multi-layer based multi-path routing algorithm for maximizing spectrum availability. <i>Wireless Networks</i> , <b>2018</b> , 24, 897-909	2.5	4
55	Frontal EEG Temporal and Spectral Dynamics Similarity Analysis between Propofol and Desflurane Induced Anesthesia Using Hilbert-Huang Transform. <i>BioMed Research International</i> , <b>2018</b> , 2018, 4939480 <sup>3</sup>		4
54	Ecology-Based Coexistence Mechanism in Heterogeneous Cognitive Radio Networks <b>2015</b> ,		4
53	Knowledge modeling of fault diagnosis for rotating machinery based on ontology <b>2015</b> ,		4
52	Iterative Feedback Tuning-based Model-Free Adaptive Iterative Learning Control of Pneumatic Artificial Muscle <b>2019</b> ,		4
51	sEMG-Based Dynamic Muscle Fatigue Classification Using SVM with Improved Whale Optimization Algorithm. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	4

50	Survey on coexistence of heterogeneous wireless networks in 2.4 GHz and TV white spaces. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771770396	1.7	3
49	Open Industrial Knowledge Graph Development for Intelligent Manufacturing Service Matchmaking <b>2017</b> ,		3
48	A MUSIC-based method for SSVEP signal processing. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2016</b> , 39, 71-84	1.9	3
47	Automatic Central Object Extraction from Color Image <b>2009</b> ,		3
46	A STEP-based Generic Product Modeling Architecture for collaborative injection moulding product development. <i>Human Factors and Ergonomics in Manufacturing</i> , <b>2010</b> , 20, 547-566	1.4	3
45	Research on the Application of Ant Colony Algorithm in Grid Resource Scheduling <b>2008</b> ,		3
44	Conflict Resolution within Multi-agent System in Collaborative Design <b>2008</b> ,		3
43	Design and Hierarchical Force-Position Control of Redundant Pneumatic Muscles-Cable-Driven Ankle Rehabilitation Robot. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 1-1	4.2	3
42	MISO Model Free Adaptive Control of Single Joint Rehabilitation Robot Driven by Pneumatic Artificial Muscles <b>2020</b> ,		3
41	Research on Channel Selection and Multi-Feature Fusion of EEG Signals for Mental Fatigue Detection. <i>Entropy</i> , <b>2021</b> , 23,	2.8	3
40	An Extreme Learning Machine Method for Multi-Classification with Mahalanobis Distance <b>2018</b> ,		3
39	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
38	Machine Learning in Robot Assisted Upper Limb Rehabilitation: A Focused Review. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2021</b> , 1-1	3	3
37	Implementation of hardware TCP/IP stack for DAQ systems with flexible data channel. <i>Electronics Letters</i> , <b>2017</b> , 53, 530-532	1.1	2
36	Electroencephalogram Similarity Analysis Using Temporal and Spectral Dynamics Analysis for Propofol and Desflurane Induced Unconsciousness. <i>Symmetry</i> , <b>2018</b> , 10, 15	2.7	2
35	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> , <b>2019</b> , 11, 168781401983951	1.2	2
34	A Collaborative Production Planning Model for Multi-agent Based Supply Chain <b>2008</b> ,		2
33	Correction of the Asymmetrical Circular Projection in DLT Camera Calibration <b>2008</b> ,		2

32	Design and Realization of a Meaningful Digital Watermarking Algorithm Based on RBF Neural Network <b>2006</b> ,		2
31	Design and Realization of a Meaningful Digital Watermarking Algorithm Based on RBF Neural Network*		2
30	Design and Control of a Reconfigurable Upper Limb Rehabilitation Exoskeleton With Soft Modular Joints. <i>IEEE Access</i> , <b>2021</b> , 9, 166815-166824	3.5	2
29	Towards Shared Autonomy Framework for Human-Aware Motion Planning in Industrial Human-Robot Collaboration <b>2020</b> ,		2
28	Online detection of class-imbalanced error-related potentials evoked by motor imagery. <i>Journal of Neural Engineering</i> , <b>2021</b> , 18,	5	2
27	Robustness Analysis of the Thermal Error Model for a CNC Machine Tool <b>2016</b> ,		2
26	An Attention-Based CNN-LSTM Model with Limb Synergy for Joint Angles Prediction <b>2021</b> ,		2
25	Improved measure of evidence conflict based on pignistic probability distance <b>2016</b> ,		1
24	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> , <b>2019</b> , 14, 442-451	3.3	1
23	On-demand ecology-inspired spectrum allocation mechanism for heterogeneous cognitive radio networks. <i>Telecommunication Systems</i> , <b>2017</b> , 66, 589-601	2.3	1
22	A system architecture for production-oriented manufacturing grid. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 61, 667-676	3.2	1
21	USB Key-Based Dual-Factor Dynamic Authentication Scheme <b>2010</b> ,		1
20	Applying dual digital watermarking technology in digital rights management <b>2010</b> ,		1
19	Tracking in clutter based on Mean Shift embedded particle filter <b>2010</b> ,		1
18	Grid-Enabled Fault Diagnostic System for Manufacturing Equipments <b>2008</b> ,		1
17	A WWW-based Collaborative Design and Manufacturing System for rapid mould product development <b>2008</b> ,		1
16	A novel real-time video digital watermarking algorithm <b>2008</b> ,		1
15	Robust Video Watermarking Algorithm Based on H.264 <b>2008</b> ,		1



14	Watermarking of 3D Polygonal Meshes Based on Feature Points <b>2007</b> ,		1
13	Realization of A Web-based Remote Service Platform <b>2006</b> ,		1
12	An Improved Feature Extraction Method for Rolling Bearing Fault Diagnosis Based on MEMD and PE. <i>Polish Maritime Research</i> , <b>2018</b> , 25, 98-106	1.7	1
11	Path Planning and Impedance Control of a Soft Modular Exoskeleton for Coordinated Upper Limb Rehabilitation. <i>Frontiers in Neurorobotics</i> , <b>2021</b> , 15, 745531	3.4	1
10	Combined prediction model of quantum genetic grey prediction model and support vector machine <b>2016</b> ,		1
9	A New Heuristic Scheduling Strategy LBMM in Cloud Computing <b>2016</b> ,		1
8	Coupling Disturbance Compensated MIMO Control of Parallel Ankle Rehabilitation Robot Actuated by Pneumatic Muscles <b>2019</b> ,		1
7	Brain-robot Shared Control Based on Motor Imagery and Improved Bayes Filter* <b>2019</b> ,		1
6	Design and Modelling of a Compliant Ankle Rehabilitation Robot Redundantly Driven by Pneumatic Muscles <b>2019</b> ,		1
5	Constructing an efficient and adaptive learning model for 3D object generation. <i>IET Image Processing</i> , <b>2021</b> , 15, 1745-1758	1.7	1
4	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> , <b>2018</b> , 35, 421-431	1	1
3	Robot learning towards smart robotic manufacturing: A review. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2022</b> , 77, 102360	9.2	1
2	(2D)2LDALPP: A Novel Approach to Face Recognition. <i>International Journal of Advanced Robotic Systems</i> , <b>2012</b> , 9, 221	1.4	0
1	Video based object representation and classification using multiple covariance matrices. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176598	3.7	