Yangming Li

List of Publications by Year
in descending order

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38 papers	1,625 citations	516710 16 h-index	580821 25 g-index
38 all docs	38 docs citations	38 times ranked	1384 citing authors

#	Article	IF	Citations
1	Distributed Recurrent Neural Networks for Cooperative Control of Manipulators: A Game-Theoretic Perspective. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 415-426.	11.3	235
2	Evaluation of segmentation methods on head and neck <scp>CT</scp>: Autoâ€segmentation challenge 2015. Medical Physics, 2017, 44, 2020-2036.	3.0	198
3	Nonlinearly Activated Neural Network for Solving Time-Varying Complex Sylvester Equation. IEEE Transactions on Cybernetics, 2014, 44, 1397-1407.	9.5	187
4	Neural Dynamics for Cooperative Control of Redundant Robot Manipulators. IEEE Transactions on Industrial Informatics, 2018, 14, 3812-3821.	11.3	151
5	Decentralized kinematic control of a class of collaborative redundant manipulators via recurrent neural networks. Neurocomputing, 2012, 91, 1-10.	5.9	147
6	Selective Positiveâ€“Negative Feedback Produces the Winner-Take-All Competition in Recurrent Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 301-309.	11.3	88
7	Decentralized control of collaborative redundant manipulators with partial command coverage via locally connected recurrent neural networks. Neural Computing and Applications, 2013, 23, 1051-1060.	5.6	62
8	Using Laplacian Eigenmap as Heuristic Information to Solve Nonlinear Constraints Defined on a Graph and Its Application in Distributed Range-Free Localization of Wireless Sensor Networks. Neural Processing Letters, 2013, 37, 411-424.	3.2	60
9	Discrete Computational Neural Dynamics Models for Solving Time-Dependent Sylvester Equation With Applications to Robotics and MIMO Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 6231-6241.	11.3	48
10	Fast and Robust Data Association Using Posterior Based Approximate Joint Compatibility Test. IEEE Transactions on Industrial Informatics, 2014, 10, 331-339.	11.3	46
11	Gaussian Process Regression for Sensorless Grip Force Estimation of Cable-Driven Elongated Surgical Instruments. IEEE Robotics and Automation Letters, 2017, 2, 1312-1319.	5.1	43
12	Towards Better Surgical Instrument Segmentation in Endoscopic Vision: Multi-Angle Feature Aggregation and Contour Supervision. IEEE Robotics and Automation Letters, 2020, 5, 6639-6646.	5.1	36
13	Structure tensors for general purpose LIDAR feature extraction. , 2011, , .		31
14	A Model-Based Recurrent Neural Network With Randomness for Efficient Control With Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 2054-2063.	11.3	31
15	A biologically inspired solution to simultaneous localization and consistent mapping in dynamic environments. Neurocomputing, 2013, 104, 170-179.	5.9	30
16	Surgical instrument segmentation for endoscopic vision with data fusion of cnn prediction and kinematic pose. , 2019, , .		27
17	Dynamic modeling of cable driven elongated surgical instruments for sensorless grip force estimation. , 2016, 2016, 4128-4134.		25
18	Extracting general-purpose features from LIDAR data. , 2010, , .		22

#	Article	IF	Citations
19	Modeling Cable-Driven Robot With Hysteresis and Cableâ€“Pulley Network Friction. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1095-1104.	5.8	22
20	Roboscope: A flexible and bendable surgical robot for single portal Minimally Invasive Surgery. , 2017, , .		21
21	Learning Representations to Predict Intermolecular Interactions on Large-Scale Heterogeneous Molecular Association Network. IScience, 2020, 23, 101261.	4.1	16
22	LC-GAN: Image-to-image Translation Based on Generative Adversarial Network for Endoscopic Images. , 2020, , .		16
23	Comparison of Microâ€“Computed Tomography and Clinical Computed Tomography Protocols for Visualization of Nasal Cartilage Before Surgical Planning for Rhinoplasty. JAMA Facial Plastic Surgery, 2019, 21, 237-243.	2.1	12
24	A Novel Recurrent Neural Network for Improving Redundant Manipulator Motion Planning Completeness. , 2018, 2018, 2956-2961.		11
25	IPJC: The Incremental Posterior Joint Compatibility test for fast feature cloud matching. , 2012, , .		10
26	Efficient orbital structures segmentation with prior anatomical knowledge. Journal of Medical Imaging, 2017, 4, 034501.	1.5	9
27	Region-Specific Objective Signatures of Endoscopic Surgical Instrument Motion: A Cadaveric Exploratory Analysis. Journal of Neurological Surgery, Part B: Skull Base, 2017, 78, 099-104.	0.8	8
28	An Automated Methodology for Assessing Anatomy-Specific Instrument Motion during Endoscopic Endonasal Skull Base Surgery. Journal of Neurological Surgery, Part B: Skull Base, 2017, 38, 222-226.	0.8	7
29	STMVO: biologically inspired monocular visual odometry. Neural Computing and Applications, 2018, 29, 215-225.	5.6	5
30	Psychophysiological classification and experiment study for spontaneous EEG based on two novel mental tasks. Technology and Health Care, 2015, 23, S249-S262.	1.2	4
31	Anatomical Region Segmentation for Objective Surgical Skill Assessment with Operating Room Motion Data. Journal of Neurological Surgery, Part B: Skull Base, 2017, 78, 490-496.	0.8	4
32	Quantitative Analysis of Transnasal Anterior Skull Base Approach: Report of Technology for Intraoperative Assessment of Instrument Motion. Surgical Innovation, 2017, 24, 405-410.	0.9	3
33	Navigation Guidance During Free Flap Mandibular Reconstruction. JAMA Otolaryngology - Head and Neck Surgery, 2017, 143, 226.	2.2	3
34	Soft-obstacle Avoidance for Redundant Manipulators with Recurrent Neural Network. , 2018, , .		3
35	Trends in Control and Decision-Making for Human-Robot Collaboration Systems [Bookshelf]. IEEE Control Systems, 2019, 39, 101-103.	0.8	2
36	Atlas and feature based 3D pathway visualization enhancement for skull base pre-operative fast planning from head CT. , 2015, 9415, .		1

#	Article	IF	Citations
37	Real-time virtual intraoperative CT in endoscopic sinus surgery. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 249-260.	2.8	1
38	Perception, Reaction, and Cognition in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 696935.	2.2	0