Yuichi Motai

List of Publications by Year
in descending order

66 papers	1,059 citations	430874 18 h-index	454955 30 g-index
81 all docs	81 docs citations	81 times ranked	1338 citing authors

#	Article	IF	Citations
1	DeepFuseNet of Omnidirectional Far-Infrared and Visual Stream for Vegetation Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9057-9070.	6.3	2
2	Autoencoder-Inspired Convolutional Network-Based Super-Resolution Method in MRI. IEEE Journal of Translational Engineering in Health and Medicine, 2021, 9, 1-13.	3.7	19
3	CTCF looping is established during gastrulation in medaka embryos. Genome Research, 2021, 31, 968-980.	5.5	37
4	Electric Load Forecasting Model Using a Multicolumn Deep Neural Networks. IEEE Transactions on Industrial Electronics, 2020, 67, 6473-6482.	7.9	27
5	Visual Perception for Multiple Human–Robot Interaction From Motion Behavior. IEEE Systems Journal, 2020, 14, 2937-2948.	4.6	9
6	Robust Detection of Infrared Maritime Targets for Autonomous Navigation. IEEE Transactions on Intelligent Vehicles, 2020, 5, 635-648.	12.7	14
7	Cloud Colonography: Distributed Medical Testbed over Cloud. IEEE Transactions on Cloud Computing, 2020, 8, 495-507.	4.4	6
8	Elastographic Tomosynthesis From X-Ray Strain Imaging of Breast Cancer. IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1-12.	3.7	2
9	Detecting Infrared Maritime Targets Overwhelmed in Sun Glitters by Antijitter Spatiotemporal Saliency. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5159-5173.	6.3	20
10	Direct Spherical Calibration of Omnidirectional Far Infrared Camera System. IEEE Sensors Journal, 2019, 19, 5285-5298.	4.7	3
11	Thermal Multisensor Fusion for Collaborative Robotics. IEEE Transactions on Industrial Informatics, 2019, 15, 3784-3795.	11.3	10
12	Vegetation Segmentation for Sensor Fusion of Omnidirectional Far-Infrared and Visual Stream. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 614-626.	4.9	3
13	Human Behavior-Based Target Tracking With an Omni-Directional Thermal Camera. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 36-50.	3.8	15
14	Multicolumn RBF Network. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 766-778.	11.3	24
15	Dynamic 3-D Reconstruction of Human Targets via an Omni-Directional Thermal Sensor. IEEE Sensors Journal, 2018, 18, 7209-7221.	4.7	5
16	Respiratory motion prediction and prospective correction for free‐breathing arterial spin‐labeled perfusion <scp>MRI</scp> of the kidneys. Medical Physics, 2017, 44, 962-973.	3.0	11
17	Acoustic Fault Detection Technique for High-Power Insulators. IEEE Transactions on Industrial Electronics, 2017, 64, 9699-9708.	7.9	64
18	A Novel Method of Cone Beam CT Projection Binning Based on Image Registration. IEEE Transactions on Medical Imaging, 2017, 36, 1733-1745.	8.9	6

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19	Heterogeneous data analysis: Online learning for medical-image-based diagnosis. Pattern Recognition, 2017, 63, 612-624.	8.1	15
20	Summary of Vehicle Trajectories' Prediction Methods Evaluated. , 2017, , 81-82.		0
21	Scale-invariant optical flow in tracking using a pan-tilt-zoom camera. Robotica, 2016, 34, 1923-1947.	1.9	4
22	Smart Anomaly Prediction in Nonstationary CT Colonography Screening. IEEE Transactions on Industrial Informatics, 2016, 12, 2292-2301.	11.3	3
23	Intra- and Inter-Fractional Variation Prediction of Lung Tumors Using Fuzzy Deep Learning. IEEE Journal of Translational Engineering in Health and Medicine, 2016, 4, 1-12.	3.7	60
24	Intelligent Forecasting Using Dead Reckoning With Dynamic Errors. IEEE Transactions on Industrial Informatics, 2016, 12, 2217-2227.	11.3	14
25	Kernel Association for Classification and Prediction: A Survey. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 208-223.	11.3	40
26	Dynamic 3D surface reconstruction and motion modeling from a panâ€"tiltâ€"zoom camera. Computers in Industry, 2015, 70, 183-193.	9.9	4
27	Trajectory Estimations Using Smartphones. IEEE Transactions on Industrial Electronics, 2015, 62, 7901-7910.	7.9	56
28	Smart Colonography for Distributed Medical Databases with Group Kernel Feature Analysis. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-24.	4.5	54
29	Latency and Distortion of Electromagnetic Trackers for Augmented Reality Systems. Synthesis Lectures on Algorithms and Software in Engineering, 2014, 6, 1-189.	0.1	0
30	Prediction and Classification of Respiratory Motion. Studies in Computational Intelligence, 2014, , .	0.9	10
31	Review: Prediction of Respiratory Motion. Studies in Computational Intelligence, 2014, , 7-37.	0.9	3
32	Phantom: Prediction of Human Motion with Distributed Body Sensors. Studies in Computational Intelligence, 2014, , 39-66.	0.9	0
33	Respiratory Motion Estimation with Hybrid Implementation. Studies in Computational Intelligence, 2014, , 67-89.	0.9	1
34	Irregular Breathing Classification from Multiple Patient Datasets. Studies in Computational Intelligence, 2014, , 109-133.	0.9	1
35	Customized Prediction of Respiratory Motion. Studies in Computational Intelligence, 2014, , 91-107.	0.9	0
36	Principal Composite Kernel Feature Analysis: Data-Dependent Kernel Approach. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1863-1875.	5.7	23

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37	Tracking Human Motion With Multichannel Interacting Multiple Model. IEEE Transactions on Industrial Informatics, 2013, 9, 1751-1763.	11.3	29
38	Design of a Fiber-Optic Sensing Mosquito Trap. IEEE Sensors Journal, 2013, 13, 4423-4431.	4.7	5
39	Local Intensity Feature Tracking and Motion Modeling for Respiratory Signal Extraction in Cone Beam CT Projections. IEEE Transactions on Biomedical Engineering, 2013, 60, 332-342.	4.2	17
40	A Multiple Model Approach to Track Head Orientation With Delta Quaternions. IEEE Transactions on Cybernetics, 2013, 43, 90-101.	9.5	17
41	Customized prediction of respiratory motion with clustering from multiple patient interaction. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-17.	4.5	3
42	Irregular Breathing Classification From Multiple Patient Datasets Using Neural Networks. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1253-1264.	3.2	8
43	Self-reproduction for articulated behaviors with dual humanoid robots using on-line decision tree classification. Robotica, 2012, 30, 315-332.	1.9	2
44	Respiratory Motion Estimation With Hybrid Implementation of Extended Kalman Filter. IEEE Transactions on Industrial Electronics, 2012, 59, 4421-4432.	7.9	35
45	Interpolation Volume Calibration: A Multisensor Calibration Technique for Electromagnetic Trackers. IEEE Transactions on Robotics, 2012, 28, 1120-1130.	10.3	6
46	Human tracking with an infrared camera using a curve matching framework. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	11
47	Human tracking from a mobile agent: Optical flow and Kalman filter arbitration. Signal Processing: Image Communication, 2012, 27, 83-95.	3.2	44
48	Improving Estimation of Vehicle's Trajectory Using the Latest Global Positioning System With Kalman Filtering. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3747-3755.	4.7	80
49	Measurement evaluations of static and low frequency magnetic fields in the near field region. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1412-1421.	5.0	5
50	On-line versus off-line accelerated kernel feature analysis: Application to computer-aided detection of polyps in CT colonography. Signal Processing, 2010, 90, 2456-2467.	3.7	12
51	A Clinical Decision Support Framework for Incremental Polyps Classification in Virtual Colonoscopy. Algorithms, 2010, 3, 1-20.	2.1	14
52	Very-Low-Frequency Electromagnetic Field Detector With Data Acquisition. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 129-140.	4.7	19
53	Head Orientation Prediction: Delta Quaternions Versus Quaternions. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1382-1392.	5.0	28
54	SU-FF-T-04: Permanent Brachytherapy Seed Localization Via Iterative Forward Projection Matching (IFPM) Algorithm Using Intraoperative Cone-Beam CT Sinogram Projections. Medical Physics, 2009, 36, 2519-2519.	3.0	0

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55	Dynamic classification for video stream using support vector machine. Applied Soft Computing Journal, 2008, 8, 1314-1325.	7.2	32
56	Hand–Eye Calibration Applied to Viewpoint Selection for Robotic Vision. IEEE Transactions on Industrial Electronics, 2008, 55, 3731-3741.	7.9	59
57	Synthesized articulated behavior using space-temporal on-line principal component analysis. Advanced Robotics, 2007, 21, 1503-1520.	1.8	4
58	Synchronous collaborative systems for distributed virtual environments in Java. International Journal of Computer Applications in Technology, 2007, 29, 27.	0.5	2
59	Video-Based Tracking and Incremental Learning Applied to Rodent Behavioral Activity Under Near-Infrared Illumination. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2804-2813.	4.7	12
60	Incremental Support Vector Machine Framework for Visual Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.7	12
61	Salient feature extraction of industrial objects for an automated assembly system. Computers in Industry, 2005, 56, 943-957.	9.9	8
62	A Real-Time Rodent Tracking System for Both Light and Dark Cycle Behavior Analysis. , 2005, , .		10
63	Concatenate feature extraction for robust 3D elliptic object localization. , 2004, , .		5
64	An Interactive Framework for Acquiring Vision Models of 3-D Objects From 2-D Images. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 566-578.	5.0	7
65	A New Edge-Grouping Algorithm for Multiple Complex Objects Localization. Lecture Notes in Computer Science, 2004, , 1194-1203.	1.3	1
66	Learning by Observation of Robotic Tasks using On-line PCA-based Eigen Behavior. , 0, , .		3