

Yuichi Motai

List of Publications by Year in descending order

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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	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
2	Acoustic Fault Detection Technique for High-Power Insulators. IEEE Transactions on Industrial Electronics, 2017, 64, 9699-9708.	7.9	64
3	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
4	Hand-Eye Calibration Applied to Viewpoint Selection for Robotic Vision. IEEE Transactions on Industrial Electronics, 2008, 55, 3731-3741.	7.9	59
5	Trajectory Estimations Using Smartphones. IEEE Transactions on Industrial Electronics, 2015, 62, 7901-7910.	7.9	56
6	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
7	Human tracking from a mobile agent: Optical flow and Kalman filter arbitration. Signal Processing: Image Communication, 2012, 27, 83-95.	3.2	44
8	Kernel Association for Classification and Prediction: A Survey. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 208-223.	11.3	40
9	CTCF looping is established during gastrulation in medaka embryos. Genome Research, 2021, 31, 968-980.	5.5	37
10	Respiratory Motion Estimation With Hybrid Implementation of Extended Kalman Filter. IEEE Transactions on Industrial Electronics, 2012, 59, 4421-4432.	7.9	35
11	Dynamic classification for video stream using support vector machine. Applied Soft Computing Journal, 2008, 8, 1314-1325.	7.2	32
12	Tracking Human Motion With Multichannel Interacting Multiple Model. IEEE Transactions on Industrial Informatics, 2013, 9, 1751-1763.	11.3	29
13	Head Orientation Prediction: Delta Quaternions Versus Quaternions. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1382-1392.	5.0	28
14	Electric Load Forecasting Model Using a Multicolumn Deep Neural Networks. IEEE Transactions on Industrial Electronics, 2020, 67, 6473-6482.	7.9	27
15	Multicolumn RBF Network. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 766-778.	11.3	24
16	Principal Composite Kernel Feature Analysis: Data-Dependent Kernel Approach. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1863-1875.	5.7	23
17	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
18	Very-Low-Frequency Electromagnetic Field Detector With Data Acquisition. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 129-140.	4.7	19

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19	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
20	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
21	A Multiple Model Approach to Track Head Orientation With Delta Quaternions. IEEE Transactions on Cybernetics, 2013, 43, 90-101.	9.5	17
22	Heterogeneous data analysis: Online learning for medical-image-based diagnosis. Pattern Recognition, 2017, 63, 612-624.	8.1	15
23	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
24	A Clinical Decision Support Framework for Incremental Polyps Classification in Virtual Colonoscopy. Algorithms, 2010, 3, 1-20.	2.1	14
25	Intelligent Forecasting Using Dead Reckoning With Dynamic Errors. IEEE Transactions on Industrial Informatics, 2016, 12, 2217-2227.	11.3	14
26	Robust Detection of Infrared Maritime Targets for Autonomous Navigation. IEEE Transactions on Intelligent Vehicles, 2020, 5, 635-648.	12.7	14
27	Incremental Support Vector Machine Framework for Visual Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.7	12
28	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
29	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
30	Human tracking with an infrared camera using a curve matching framework. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	11
31	Respiratory motion prediction and prospective correction for free-breathing arterial spin-labeled perfusion MRI of the kidneys. Medical Physics, 2017, 44, 962-973.	3.0	11
32	A Real-Time Rodent Tracking System for Both Light and Dark Cycle Behavior Analysis. , 2005, , .		10
33	Thermal Multisensor Fusion for Collaborative Robotics. IEEE Transactions on Industrial Informatics, 2019, 15, 3784-3795.	11.3	10
34	Prediction and Classification of Respiratory Motion. Studies in Computational Intelligence, 2014, , .	0.9	10
35	Visual Perception for Multiple Human-Robot Interaction From Motion Behavior. IEEE Systems Journal, 2020, 14, 2937-2948.	4.6	9
36	Salient feature extraction of industrial objects for an automated assembly system. Computers in Industry, 2005, 56, 943-957.	9.9	8

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37	Irregular Breathing Classification From Multiple Patient Datasets Using Neural Networks. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1253-1264.	3.2	8
38	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
39	Interpolation Volume Calibration: A Multisensor Calibration Technique for Electromagnetic Trackers. IEEE Transactions on Robotics, 2012, 28, 1120-1130.	10.3	6
40	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
41	Cloud Colonography: Distributed Medical Testbed over Cloud. IEEE Transactions on Cloud Computing, 2020, 8, 495-507.	4.4	6
42	Concatenate feature extraction for robust 3D elliptic object localization. , 2004, , .		5
43	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
44	Design of a Fiber-Optic Sensing Mosquito Trap. IEEE Sensors Journal, 2013, 13, 4423-4431.	4.7	5
45	Dynamic 3-D Reconstruction of Human Targets via an Omni-Directional Thermal Sensor. IEEE Sensors Journal, 2018, 18, 7209-7221.	4.7	5
46	Synthesized articulated behavior using space-temporal on-line principal component analysis. Advanced Robotics, 2007, 21, 1503-1520.	1.8	4
47	Dynamic 3D surface reconstruction and motion modeling from a pan-tilt-zoom camera. Computers in Industry, 2015, 70, 183-193.	9.9	4
48	Scale-invariant optical flow in tracking using a pan-tilt-zoom camera. Robotica, 2016, 34, 1923-1947.	1.9	4
49	Learning by Observation of Robotic Tasks using On-line PCA-based Eigen Behavior. , 0, , .		3
50	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
51	Smart Anomaly Prediction in Nonstationary CT Colonography Screening. IEEE Transactions on Industrial Informatics, 2016, 12, 2292-2301.	11.3	3
52	Direct Spherical Calibration of Omnidirectional Far Infrared Camera System. IEEE Sensors Journal, 2019, 19, 5285-5298.	4.7	3
53	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
54	Review: Prediction of Respiratory Motion. Studies in Computational Intelligence, 2014, , 7-37.	0.9	3

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55	Synchronous collaborative systems for distributed virtual environments in Java. International Journal of Computer Applications in Technology, 2007, 29, 27.	0.5	2
56	Self-reproduction for articulated behaviors with dual humanoid robots using on-line decision tree classification. Robotica, 2012, 30, 315-332.	1.9	2
57	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
58	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
59	A New Edge-Grouping Algorithm for Multiple Complex Objects Localization. Lecture Notes in Computer Science, 2004, , 1194-1203.	1.3	1
60	Respiratory Motion Estimation with Hybrid Implementation. Studies in Computational Intelligence, 2014, , 67-89.	0.9	1
61	Irregular Breathing Classification from Multiple Patient Datasets. Studies in Computational Intelligence, 2014, , 109-133.	0.9	1
62	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
63	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
64	Phantom: Prediction of Human Motion with Distributed Body Sensors. Studies in Computational Intelligence, 2014, , 39-66.	0.9	0
65	Customized Prediction of Respiratory Motion. Studies in Computational Intelligence, 2014, , 91-107.	0.9	0
66	Summary of Vehicle Trajectories' Prediction Methods Evaluated. , 2017, , 81-82.		0