

Atsushi Yamashita

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

1,759
citations

586496

16
h-index

591227

27
g-index

192
all docs

192
docs citations

192
times ranked

1415
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Stochastic Optimal Policies via Gradient Descent. , 2022, 6, 1094-1099.		2
2	Radiation distribution estimation with a non-directional detector using a plane source model*. Advanced Robotics, 2022, 36, 182-191.	1.1	0
3	The over-estimation of distance for self-voice versus other-voice. Scientific Reports, 2022, 12, 420.	1.6	0
4	Multi-modal Classification Using Domain Adaptation for Automated Defect Detection Based on the Hammering Test. , 2022, , .		1
5	Socially aware robot navigation in crowds via deep reinforcement learning with resilient reward functions. Advanced Robotics, 2022, 36, 388-403.	1.1	10
6	Clarify Sit-to-Stand Muscle Synergy and Tension Changes in Subacute Stroke Rehabilitation by Musculoskeletal Modeling. Frontiers in Systems Neuroscience, 2022, 16, 785143.	1.2	3
7	Simulator-aided Edge-based Acoustic Camera Pose Estimation. , 2022, , .		6
8	Solving Well-posed Shape from Shading Problem Using Implicit Neural Representations. , 2022, , .		1
9	Self-supervised optical flow derotation network for rotation estimation of a spherical camera. Advanced Robotics, 2021, 35, 118-128.	1.1	3
10	Modified sensory feedback enhances the sense of agency during continuous body movements in virtual reality. Scientific Reports, 2021, 11, 2553.	1.6	20
11	Gamma-ray Image Noise Generation Using Energy-Image Converter Based on Image Histogram. , 2021, , .		0
12	Localization in a Semantic Map via Bounding Box Information and Feature Points. , 2021, , .		0
13	Stereo camera visual SLAM with hierarchical masking and motion-state classification at outdoor construction sites containing large dynamic objects. Advanced Robotics, 2021, 35, 228-241.	1.1	11
14	Image Captioning Using Motion-CNN with Object Detection. Sensors, 2021, 21, 1270.	2.1	11
15	Effect of Size of Preceding Vehicle on Behavior of Following Vehicle. , 2021, , .		0
16	Elevation Angle Estimation in 2D Acoustic Images Using Pseudo Front View. IEEE Robotics and Automation Letters, 2021, 6, 1535-1542.	3.3	11
17	Artificial neural network that modifies muscle activity in sit-to-stand motion using sensory input. Advanced Robotics, 2021, 35, 858-866.	1.1	0
18	Data-Driven Koopman Controller Synthesis Based on the Extended \mathcal{H}_{∞} Norm Characterization. , 2021, , .		0

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19	Analysis of muscle synergy and kinematics in sit-to-stand motion of hemiplegic patients in subacute period. <i>Advanced Robotics</i> , 2021, 35, 867-877.	1.1	5
20	Path Planning for Localization of Radiation Sources Based on Principal Component Analysis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4707.	1.3	10
21	Deceleration Assistance Mitigated the Trade-off Between Sense of Agency and Driving Performance. <i>Frontiers in Psychology</i> , 2021, 12, 643516.	1.1	6
22	Acoustic Camera-Based Pose Graph SLAM for Dense 3-D Mapping in Underwater Environments. <i>IEEE Journal of Oceanic Engineering</i> , 2021, 46, 829-847.	2.1	11
23	Leakage Position Estimation of Cooling Water Using a Stereo Camera for Fukushima Daiichi Nuclear Power Plant. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7796.	1.3	1
24	Data-Driven Koopman Controller Synthesis Based on the Extended H_∞ Norm Characterization. , 2021, 5, 1795-1800.		4
25	Positive Weak Supervision Quality Increase by Consolidation for Acoustic Defect Detection in Concrete Structures. , 2021, , .		0
26	CycleGAN-based realistic image dataset generation for forward-looking sonar. <i>Advanced Robotics</i> , 2021, 35, 242-254.	1.1	21
27	Weakly Supervised Acoustic Defect Detection in Concrete Structures Using Clustering-Based Augmentation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 2826-2834.	3.7	4
28	Perception and control: individual difference in the sense of agency is associated with learnability in sensorimotor adaptation. <i>Scientific Reports</i> , 2021, 11, 20542.	1.6	8
29	AdjustSense: Adaptive 3D Sensing System with Adjustable Spatio-Temporal Resolution and Measurement Range Using High-Speed Omnidirectional Camera and Direct Drive Motor. <i>Sensors</i> , 2021, 21, 6975.	2.1	1
30	Multiple Oracle consensus for weakly supervised defect detection in concrete structures using audio data. <i>Advanced Robotics</i> , 2021, 35, 219-227.	1.1	1
31	Development of an excavator-avoidance system for buried pipes. <i>Advanced Robotics</i> , 2021, 35, 1468-1483.	1.1	1
32	Classification of Motor Impairments of Post-Stroke Patients Based on Force Applied to a Handrail. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 2399-2406.	2.7	6
33	Guest Editorial Introduction to the Focused Section on Mechatronics and Automation for Constructions. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 2819-2825.	3.7	3
34	Human position and head direction tracking in fisheye camera using randomized ferns and fisheye histograms of oriented gradients. <i>Visual Computer</i> , 2020, 36, 1443-1456.	2.5	8
35	The Active Sensing of Control Difference. <i>IScience</i> , 2020, 23, 101112.	1.9	12
36	Robust and Efficient Indoor Localization Using Sparse Semantic Information from a Spherical Camera. <i>Sensors</i> , 2020, 20, 4128.	2.1	6

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37	Online glass confidence map building using laser rangefinder for mobile robots. <i>Advanced Robotics</i> , 2020, 34, 1506-1521.	1.1	4
38	Indoor human face following with environmental fisheye cameras and blimp. <i>Advanced Robotics</i> , 2020, 34, 621-636.	1.1	4
39	Goal Estimation of Mandatory Lane Changes Based on Interaction between Drivers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3289.	1.3	1
40	SelfSphNet: Motion Estimation of a Spherical Camera via Self-Supervised Learning. <i>IEEE Access</i> , 2020, 8, 41847-41859.	2.6	4
41	Automated Image Presentation for Backhoe Embankment Construction in Unmanned Construction Site. , 2020, , .		6
42	Complementarity of Sensors and Weak Supervision for Defect Detection in Concrete Structures. , 2020, , .		4
43	ACMarker: Acoustic Camera-Based Fiducial Marker System in Underwater Environment. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 5018-5025.	3.3	12
44	Smartphone Zombie Detection From LiDAR Point Cloud for Mobile Robot Safety. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 2256-2263.	3.3	8
45	Temporal Muscle Synergy Features Estimate Effects of Short-Term Rehabilitation in Sit-to-Stand of Post-Stroke Patients. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 1796-1802.	3.3	8
46	Acoustic Inspection of Concrete Structures Using Active Weak Supervision and Visual Information. <i>Sensors</i> , 2020, 20, 629.	2.1	6
47	Identification of a Class of Hybrid Dynamical Systems. <i>IFAC-PapersOnLine</i> , 2020, 53, 875-882.	0.5	1
48	Multistable Energy Shaping of Passive Linear Systems with Hybrid Mode Selector. <i>IFAC-PapersOnLine</i> , 2020, 53, 9118-9124.	0.5	0
49	Planar AnP: A Solution to Acoustic-n-Point Problem on Planar Target. , 2020, , .		2
50	Categorical Perception of Control. <i>ENeuro</i> , 2020, 7, .	0.9	1
51	Categorical Perception of Control. <i>ENeuro</i> , 2020, 7, ENEURO.0258-20.2020.	0.9	7
52	Weakly Supervised Defect Detection using Acoustic Data based on Positive and Negative Constraints. , 2020, , .		1
53	Excavation Path Generation for Autonomous Excavator Considering Bulking Factor of Soil. , 2020, , .		1
54	Camera Orientation Estimation in Leaking Indoor Environment via Vanishing Point of Water Drops. , 2020, , .		0

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55	Pedestrian trajectory prediction using BiRNN encoder-decoder framework. <i>Advanced Robotics</i> , 2019, 33, 956-969.	1.1	12
56	Temporal Features of Muscle Synergies in Sit-to-Stand Motion Reflect the Motor Impairment of Post-Stroke Patients. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 2118-2127.	2.7	39
57	Three-dimensional Underwater Environment Reconstruction with Graph Optimization Using Acoustic Camera. , 2019, , .		10
58	Acceleration of 3D Measurement of Large Structures with Ring Laser and Camera via FFT-based Template Matching. , 2019, , .		0
59	Lane-change detection based on individual driving style. <i>Advanced Robotics</i> , 2019, 33, 1087-1098.	1.1	20
60	Robust Map Registration for Building Online Glass Confidence Maps. <i>IFAC-PapersOnLine</i> , 2019, 52, 362-367.	0.5	2
61	Robust Path Planning Against Pose Errors for Mobile Robots in Rough Terrain. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 27-39.	0.5	2
62	A Framework for Bearing-Only Sparse Semantic Self-Localization for Visually Impaired People. , 2019, , .		2
63	Organization of functional modularity in sitting balance response and gait performance after stroke. <i>Clinical Biomechanics</i> , 2019, 67, 61-69.	0.5	2
64	E-CNN: Accurate Spherical Camera Rotation Estimation via Uniformization of Distorted Optical Flow Fields. , 2019, , .		4
65	Accurate All-Round 3D Measurement Using Trinocular Spherical Stereo via Weighted Reprojection Error Minimization. , 2019, , .		1
66	Weakly Supervised Approach to Defect Detection in Concrete Structures Using Hammering Test. , 2019, , .		6
67	Arbitrary Viewpoint Visualization for Teleoperation of Disaster Response Robots. <i>Journal of Advanced Simulation in Science and Engineering</i> , 2019, 6, 249-259.	0.1	4
68	Cost-effective and Robust Visual Based Localization with Consumer-level Cameras at Construction Sites. , 2019, , .		3
69	Advanced Adaptive Cruise Control Based on Operation Characteristic Estimation and Trajectory Prediction. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4875.	1.3	12
70	Efficient Motion Planning for Mobile Robots Dealing with Changes in Rough Terrain. <i>IFAC-PapersOnLine</i> , 2019, 52, 83-86.	0.5	0
71	Rotation Estimation of Acoustic Camera Based on Illuminated Area in Acoustic Image. <i>IFAC-PapersOnLine</i> , 2019, 52, 163-168.	0.5	4
72	Data Information Fusion From Multiple Access Points for WiFi-Based Self-localization. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 269-276.	3.3	20

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73	Adaptive Motion Planning Based on Vehicle Characteristics and Regulations for Off-Road UGVs. IEEE Transactions on Industrial Informatics, 2019, 15, 599-611.	7.2	18
74	3D Measurement of Large Structure by Multiple Cameras and a Ring Laser. Journal of Robotics and Mechatronics, 2019, 31, 251-262.	0.5	8
75	Inspection Test of a Tunnel with an Inspection Vehicle for Tunnel Lining Concrete. Journal of Robotics and Mechatronics, 2019, 31, 762-771.	0.5	12
76	Effect of Physical Therapy on Muscle Synergy Structure During Standing-Up Motion of Hemiplegic Patients. IEEE Robotics and Automation Letters, 2018, 3, 2229-2236.	3.3	25
77	Precise and accurate wireless signal strength mappings using Gaussian processes and path loss models. Robotics and Autonomous Systems, 2018, 103, 134-150.	3.0	16
78	Fuzzy Clustering of Spatially Relevant Acoustic Data for Defect Detection. IEEE Robotics and Automation Letters, 2018, 3, 2616-2623.	3.3	14
79	Real-Time Registration of Rgb-D Image Pair for See-Through System. , 2018, , .		1
80	Recursive Algebraic Frisch Scheme: a Particle-Based Approach. IFAC-PapersOnLine, 2018, 51, 409-415.	0.5	2
81	3D Occupancy Mapping Framework Based on Acoustic Camera in Underwater Environment. IFAC-PapersOnLine, 2018, 51, 324-330.	0.5	16
82	Distortion-Robust Spherical Camera Motion Estimation via Dense Optical Flow. , 2018, , .		6
83	Advanced Adaptive Cruise Control Based on Collision Risk Assessment. , 2018, , .		4
84	The Readiness Potential Reflects the Reliability of Action Consequence. Scientific Reports, 2018, 8, 11865.	1.6	18
85	Line-Based Global Localization of a Spherical Camera in Manhattan Worlds. , 2018, , .		12
86	Dynamic State Estimation of Driving Style Based on Driving Risk Feature. International Journal of Automotive Engineering, 2018, 9, 31-38.	0.3	9
87	Acoustic Image Simulator Based on Active Sonar Model in Underwater Environment. , 2018, , .		9
88	Visual and Vestibular Inputs Affect Muscle Synergies Responsible for Body Extension and Stabilization in Sit-to-Stand Motion. Frontiers in Neuroscience, 2018, 12, 1042.	1.4	10
89	Refraction-Based Bundle Adjustment for Scale Reconstructible Structure from Motion. Journal of Robotics and Mechatronics, 2018, 30, 660-670.	0.5	4
90	Lane-Change Detection Based on Vehicle-Trajectory Prediction. IEEE Robotics and Automation Letters, 2017, 2, 1109-1116.	3.3	96

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91	Gait analysis of patients with knee osteoarthritis by using elevation angle: confirmation of the planar law and analysis of angular difference in the approximate plane. <i>Advanced Robotics</i> , 2017, 31, 68-79.	1.1	14
92	The influence of performance on action-effect integration in sense of agency. <i>Consciousness and Cognition</i> , 2017, 53, 89-98.	0.8	23
93	Spatio-Temporal Video Completion in Spherical Image Sequences. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 2032-2039.	3.3	5
94	Multi-modal diagnostic method for detection of concrete crack direction using light-section method and hammering test. , 2017, , .		9
95	Versatile vision-based touch sensor for autonomous robots. , 2017, , .		0
96	Muscle synergy structure using different strategies in human standing-up motion. <i>Advanced Robotics</i> , 2017, 31, 40-54.	1.1	25
97	Automatic calibration of camera sensor networks based on 3D texture map information. <i>Robotics and Autonomous Systems</i> , 2017, 87, 313-328.	3.0	9
98	3D radiation imaging using mobile robot equipped with radiation detector. , 2017, , .		23
99	3-D Reconstruction of Underwater Object Based on Extended Kalman Filter by Using Acoustic Camera Images. <i>IFAC-PapersOnLine</i> , 2017, 50, 1043-1049.	0.5	12
100	Recovery Motion Learning for Arm Mounted Mobile Crawler Robot in Drive System's Failure * *This work was in part funded by ImPACT Program of Council for Science, Technology and Innovation (Cabinet Office, Government of Japan). <i>IFAC-PapersOnLine</i> , 2017, 50, 2329-2334.	0.5	1
101	Fast and robust localization using laser rangefinder and wifi data. , 2017, , .		5
102	Combining multi-localization methods for fault diagnosis in autonomous mobile robot systems. , 2017, , .		0
103	3D reconstruction of line features using multi-view acoustic images in underwater environment. , 2017, , .		8
104	Safeness visualization of terrain for teleoperation of mobile robot using 3D environment map and dynamic simulator. , 2017, , .		1
105	Estimation of scale and slope information for structure from motion-based 3D map. , 2017, , .		2
106	Class confidence maps building based on neural networks using laser range-finders for mobile robots. , 2017, , .		13
107	Clustering of spatially relevant audio data using mel-frequency cepstrum for diagnosis of concrete structure by hammering test. , 2017, , .		9
108	Virtual reality with motion parallax by dense optical flow-based depth generation from two spherical images. , 2017, , .		5

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109	Optical Flow-Based Epipolar Estimation of Spherical Image Pairs for 3D Reconstruction. SICE Journal of Control Measurement and System Integration, 2017, 10, 476-485.	0.4	2
110	Automatic Detection Method of Lane-Changing Intentions Based on Relationship with Adjacent Vehicles Using Artificial Potential Fields. International Journal of Automotive Engineering, 2016, 7, 127-134.	0.3	16
111	Goal-Directed Movement Enhances Body Representation Updating. Frontiers in Human Neuroscience, 2016, 10, 329.	1.0	18
112	Divided Attention and Processes Underlying Sense of Agency. Frontiers in Psychology, 2016, 7, 35.	1.1	17
113	Strength of Intentional Effort Enhances the Sense of Agency. Frontiers in Psychology, 2016, 7, 1165.	1.1	35
114	Defect detection with estimation of material condition using ensemble learning for hammering test. , 2016, , .		21
115	Hammering diagnosis algorithm with automated calibration. Transactions of the JSME (in Japanese), 2016, 82, 15-00426-15-00426.	0.1	3
116	Correction of over- and underexposed images using multiple lighting system for exploration robot in dark environments. , 2016, , .		0
117	Acoustic camera-based 3D measurement of underwater objects through automated extraction and association of feature points. , 2016, , .		16
118	Improving Gaussian Processes based mapping of wireless signals using path loss models. , 2016, , .		16
119	A human-friendly robot navigation algorithm using the risk-RRT approach. , 2016, , .		17
120	How anticipation for the sense of agency affects readiness potential. , 2016, , .		0
121	3D reconstruction of structures using spherical cameras with small motion. , 2016, , .		10
122	Lane-changing feature extraction using multisensor integration. , 2016, , .		2
123	Dense 3D reconstruction from two spherical images via optical flow-based equirectangular epipolar rectification. , 2016, , .		14
124	3-D reconstruction of underwater objects using arbitrary acoustic views. , 2016, , .		4
125	Scale reconstructable structure from motion using refraction with omnidirectional camera. , 2016, , .		1
126	Skill training system for rowing motion using integrated presentation of motion and muscle activation. Transactions of the JSME (in Japanese), 2016, 82, 15-00424-15-00424.	0.1	2

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127	Aurora 3d-measurement from whole-sky time series image using fish-eye stereo camera. Transactions of the JSME (in Japanese), 2016, 82, 15-00428-15-00428.	0.1	0
128	A decoupled virtual camera using spherical optical flow. , 2016, , .		10
129	Creating see-through image using two RGB-D sensors for remote control robot. , 2016, , .		2
130	Simultaneous tele-visualization of construction machine and environment using body mounted cameras. , 2016, , .		14
131	Optical flow-based video completion in spherical image sequences. , 2016, , .		5
132	The influence of goals on sense of control. Consciousness and Cognition, 2015, 37, 83-90.	0.8	38
133	Evaluating effect of sense of ownership and sense of agency on body representation change of human upper limb. , 2015, , .		0
134	Improved artificial potential field-based simultaneous forward search method for robot path planning in complex environment. , 2015, , .		15
135	An Improved Artificial Potential Field-based Simultaneous FORWARD Search (Improved APF-based) Tj ETQq1 1 0.784314 rgBT /Overlock		9
136	Gaussian processes with input-dependent noise variance for wireless signal strength-based localization. , 2015, , .		11
137	Development of bird's-eye view system in unmanned construction. Transactions of the JSME (in Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	4
138	Generation of give-way behavior of pedestrian model with probabilistic intention for mobile robot navigation. Transactions of the JSME (in Japanese), 2015, 81, 14-00330-14-00330.	0.1	0
139	Absolute scale structure from motion using a refractive plate. , 2015, , .		9
140	Analysis of Human Motor Skill in Dart Throwing Motion at Different Distance. SICE Journal of Control Measurement and System Integration, 2015, 8, 79-85.	0.4	2
141	The Sense of Agency during Continuous Action: Performance Is More Important than Action-Feedback Association. PLoS ONE, 2015, 10, e0125226.	1.1	65
142	Analysis of muscle synergy contribution on human standing-up motion using a neuro-musculoskeletal model. , 2015, , .		16
143	Scale-reconstructable Structure from Motion using refraction with a single camera. , 2015, , .		12
144	The influence of action-outcome delay and arousal on sense of agency and the intentional binding effect. Consciousness and Cognition, 2015, 36, 87-95.	0.8	97

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145	Development of the remote-controlled platform truck for handling heavy object and the remote control human interface for the disaster response. <i>Advanced Robotics</i> , 2015, 29, 165-169.	1.1	2
146	RGB-D SLAM using vanishing point and door plate information in corridor environment. <i>Intelligent Service Robotics</i> , 2015, 8, 105-114.	1.6	22
147	Fuzzy based traversability analysis for a mobile robot on rough terrain. , 2015, , .		21
148	Development of acoustic camera-imaging simulator based on novel model. , 2015, , .		18
149	Bird's-eye View Image Generation with Camera Malfunction in Irradiation Environment. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 177-178.	0.0	4
150	3D Measurement of Large Structures with a Ring Laser and a Camera Using Structure from Motion for Integrating Cross Sections. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 233-234.	0.0	3
151	Unsupervised Learning Approach to Detection of Void-type Defects in Concrete Structure Using Hammering and Clustering. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 319-320.	0.0	2
152	Rotation Removed Stabilization of Omnidirectional Videos Using Optical Flow. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 51-52.	0.0	1
153	Analysis of Electromyography and Skin Conductance Response during Rubber Hand Illusion. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2015, 51, 440-447.	0.1	0
154	Distributed Cooperative Fault Diagnosis for Internal Electrical Components of Robot System. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 235-236.	0.0	0
155	Detection Method of Lane Change Intentions in Other Drivers Using Hidden Markov Models. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 253-254.	0.0	2
156	Automatic Camera Pose Estimation Based on Textured 3D Map Information. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 100-101.	0.0	0
157	Robot Body Occlusion Removal in Omnidirectional Video Using Color and Shape Information. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 49-50.	0.0	0
158	3-D Reconstruction of Underwater Object: Analytical System for Extracting Feature Points Using Two Different Acoustic Views. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 197-198.	0.0	0
159	Course Detection from Integrated 3D Environment Measurement by Multiple Mobile Robots. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 237-238.	0.0	0
160	Readiness Potential Reflects the Predictive Aspect of Sense of Agency. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 353-354.	0.0	0
161	Seeing through Obstacles by Using Movable RGB-D Sensors. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 29-30.	0.0	0
162	Boosting-based Visualization of Concrete Defects for Hammering Inspection. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 55.	0.0	0

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163	Muscle Synergies of Sit-to-Stand and Walking Account for Sit-to-Walk Motion. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 96-97.	0.0	1
164	Dual Monte Carlo Localization algorithm for localization using wireless signal strength maps. The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM, 2015, 2015.6, 282-283.	0.0	1
165	Automatic face tracking system using quadrotors: Control by goal position thresholding. , 2014, , .		1
166	Three-dimensional measurement of objects in liquid with an unknown refractive index using fisheye stereo camera. , 2014, , .		1
167	Automated diagnosis of material condition in hammering test using a boosting algorithm. , 2014, , .		12
168	Measurement of just noticeable difference of hip joint for implementation of self-efficacy: in active and passive sensation and in different speed. Advanced Robotics, 2014, 28, 505-511.	1.1	1
169	Spatio-temporal bird's-eye view images using multiple fish-eye cameras. , 2013, , .		29
170	Meal support system with spoon using laser range finder and manipulator. , 2013, , .		13
171	Analysis of Joint Correlation between Arm and Lower Body in Dart Throwing Motion. , 2013, , .		3
172	Selective exploration exploiting skills in hierarchical reinforcement learning framework. , 2013, , .		1
173	Analysis of electromyography and skin conductance response during rubber hand illusion. , 2013, , .		15
174	Parallel line-based structure from motion by using omnidirectional camera in textureless scene. Advanced Robotics, 2013, 27, 19-32.	1.1	11
175	Muscle Synergy Analysis of Human Standing-Up Motion with Different Chair Heights and Different Motion Speeds. , 2013, , .		5
176	Modelling Behaviour Patterns of Pedestrians for Mobile Robot Trajectory Generation. International Journal of Advanced Robotic Systems, 2013, 10, 310.	1.3	7
177	Automatic removal of foreground occluder from multi-focus images. , 2012, , .		7
178	3-D measurement of objects inwater using fish-eye stereo camera. , 2012, , .		7
179	Development of pedestrian behavior model taking account of intention. , 2012, , .		30
180	Evaluation of wearable gyroscope and accelerometer sensor (PocketIMU2) during walking and sit-to-stand motions. , 2012, , .		10

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181	Line-based camera movement estimation by using parallel lines in omnidirectional video. , 2012, , .		2
182	Mobile robot navigation in textureless unknown environment based on plane estimation by using single omni-directional camera. , 2012, , .		1
183	An efficient improved artificial potential field based regression search method for robot path planning. , 2012, , .		106
184	Robot motion planning utilizing local propagation of information based on Particle Swarm and its internal parameters. , 2011, , .		1
185	Prediction of human's movement for collision avoidance of mobile robot. , 2011, , .		15
186	3D environment measurement using binocular stereo and motion stereo by mobile robot with omnidirectional stereo camera. , 2011, , .		2
187	Self-localization and 3-D model construction of pipe by earthworm robot equipped with omni-directional rangefinder. , 2011, , .		21
188	Self-localization of mobile robot equipped with omnidirectional camera using image matching and 3D-2D edge matching. , 2011, , .		6
189	Human tracking with multiple cameras based on face detection and mean shift. , 2011, , .		12
190	Underwater sensing with omni-directional stereo camera. , 2011, , .		8
191	Three-Dimensional Environment Model Construction from an Omnidirectional Image Sequence. Journal of Robotics and Mechatronics, 2009, 21, 574-582.	0.5	8