

Myung Jin Chung

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86
papers

1,037
citations

18
h-index

29
g-index

122
ext. papers

1,359
ext. citations

3.9
avg, IF

4.02
L-index

#	Paper	IF	Citations
86	Generation of Realistic Robot Facial Expressions for Human Robot Interaction. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015 , 78, 443-462	2.9	8
85	Fast Online Motion Segmentation through Multi-Temporal Interval Motion Analysis. <i>IEICE Transactions on Information and Systems</i> , 2015 , E98.D, 479-484	0.6	0
84	Online urban object recognition in point clouds using consecutive point information for urban robotic missions. <i>Robotics and Autonomous Systems</i> , 2014 , 62, 1130-1152	3.5	14
83	Efficient 3D terrain mapping based on normal distribution transform grid 2014 ,		1
82	Position estimation of landmark using 3D point cloud and trilateration method 2014 ,		2
81	Robot's Motivational Emotion Model with Value Effectiveness for Social Human and Robot Interaction. <i>Journal of Institute of Control, Robotics and Systems</i> , 2014 , 20, 503-512	1	
80	Probabilistic voxel mapping using an adaptive confidence measure of stereo matching. <i>Intelligent Service Robotics</i> , 2013 , 6, 89-99	2.6	4
79	Rapid SLAM using simple map representation in indoor environment 2013 ,		3
78	Traversable ground detection based on geometric-featured voxel map 2013 ,		4
77	Multi-Scale Descriptor for Robust and Fast Camera Motion Estimation. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 725-728	3.2	3
76	Urban structure classification using the 3D normal distribution transform for practical robot applications. <i>Advanced Robotics</i> , 2013 , 27, 351-371	1.7	17
75	LMA based emotional motion representation using RGB-D camera 2013 ,		12
74	Interactive facial robot system on a smart device Enhanced touch screen input recognition and robot's reactive facial expression 2013 ,		2
73	Real-time plane detection based on depth map from Kinect 2013 ,		3
72	3D world modeling using 3D laser scanner and omni-direction camera 2013 ,		1
71	Fast point cloud segmentation for an intelligent vehicle using sweeping 2D laser scanners 2012 ,		9
70	Robust Online Digital Image Stabilization Based on Point-Feature Trajectory Without Accumulative Global Motion Estimation. <i>IEEE Signal Processing Letters</i> , 2012 , 19, 223-226	3.2	21

69	Extrinsic calibration between a 3D laser scanner and a camera using PCA method 2012 ,		2
68	Automated robot speech gesture generation system based on dialog sentence punctuation mark extraction 2012 ,		1
67	3D video stabilization for a humanoid robot using point feature trajectory smoothing 2011 ,		1
66	Geometric-featured voxel maps for 3D mapping in urban environments 2011 ,		1
65	Stereo-vision based free space and obstacle detection with structural and traversability analysis using probabilistic volume polar grid map 2011 ,		3
64	Fast SLAM using polar scan matching and particle weight based occupancy grid map for mobile robot 2011 ,		1
63	Long-time video stabilization using point-feature trajectory smoothing 2011 ,		5
62	How to completely use the PAD space for socially interactive robots 2011 ,		2
61	3D video stabilization for humanoid eyes using vision and inertial sensors inspired by human VOR 2010 ,		3
60	Video stabilization for robot eye using IMU-aided feature tracker 2010 ,		4
59	Recursive estimation of motion and a scene model with a two-camera system of divergent view. <i>Pattern Recognition</i> , 2010 , 43, 2265-2280	7.7	11
58	Artificial Emotion Generation Based on Personality, Mood, and Emotion for Life-Like Facial Expressions of Robots. <i>International Federation for Information Processing</i> , 2010 , 223-233		4
57	Learning discriminative multi-scale and multi-position LBP features for face detection based on Ada-LDA 2009 ,		2
56	3D environment reconstruction using modified color ICP algorithm by fusion of a camera and a 3D laser range finder 2009 ,		22
55	Digital Image Stabilization for humanoid eyes inspired by human VOR system 2009 ,		6
54	Lifelike facial expression of mascot-type robot based on emotional boundaries 2009 ,		4
53	Cognitive face analysis system for future interactive TV. <i>IEEE Transactions on Consumer Electronics</i> , 2009 , 55, 2271-2279	4.8	25
52	Development of Assistive Mobile Robots Helping the Disabled Work in a Factory Environment 2008 ,		2

51	Development of omni-directional mobile robots with mecanum wheels assisting the disabled in a factory environment 2008 ,		10
50	3D head tracking and pose-robust 2D texture map-based face recognition using a simple ellipsoid model 2008 ,		3
49	Emotional boundaries for choosing modalities according to the intensity of emotion in a linear affect-expression space 2008 ,		3
48	A Linear Dynamic Affect-Expression Model: Facial Expressions According to Perceived Emotions in Mascot-Type Facial Robots 2007 ,		4
47	Path Planning for Complete and Efficient Coverage Operation of Mobile Robots 2007 ,		10
46	A Linear Affect-Expression Space Model and Control Points for Mascot-Type Facial Robots. <i>IEEE Transactions on Robotics</i> , 2007 , 23, 863-873	6.5	27
45	An Affect-Expression Space Model of the Face in a Mascot-Type Robot 2006 ,		6
44	A Linear Affective Space Model based on the Facial Expressions for Mascot-Type Robots 2006 ,		3
43	Development of a Facial Expression Imitation System 2006 ,		6
42	Expansion of Hager Belhumeur Inverse Additive Algorithm to Homographies 2006 ,		1
41	Absolute motion and structure from stereo image sequences without stereo correspondence and analysis of degenerate cases. <i>Pattern Recognition</i> , 2006 , 39, 1649-1661	7.7	11
40	Compensator design for a dual-stage actuator in the track-following servo system of optical disk drives. <i>IEEE Transactions on Consumer Electronics</i> , 2005 , 51, 471-477	4.8	7
39	Efficient rectangle feature extraction for real-time facial expression recognition based on AdaBoost 2005 ,		5
38	Robust multi-view face tracking 2005 ,		2
37	Eye-mouse under large head movement for human-computer interface 2004 ,		3
36	Feature matching in omnidirectional images with a large sensor motion for map generation of a mobile robot. <i>Pattern Recognition Letters</i> , 2004 , 25, 413-427	4.7	3
35	Robust disturbance observer for the track-following control system of an optical disk drive. <i>Control Engineering Practice</i> , 2004 , 12, 577-585	3.9	53
34	Path planning with uncalibrated stereo rig for image-based visual servoing under large pose discrepancy. <i>IEEE Transactions on Automation Science and Engineering</i> , 2003 , 19, 250-258		24

33	Track-following control using a disturbance observer with asymptotic disturbance rejection in high-speed optical disk drives. <i>IEEE Transactions on Consumer Electronics</i> , 2003 , 49, 1178-1185	4.8	19
32	Real-time gaze control of an active head-eye system without calibration. <i>Artificial Life and Robotics</i> , 2002 , 6, 175-180	0.6	1
31	An Iterative Learning Control for Uncertain Systems Using Structured Singular Value. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1999 , 121, 660-667	1.6	5
30	Adaptive controller of a master-slave system for transparent teleoperation. <i>Journal of Field Robotics</i> , 1998 , 15, 465-475		41
29	Robust direct seek control for high-speed rotational optical disk drives. <i>IEEE Transactions on Consumer Electronics</i> , 1998 , 44, 1273-1283	4.8	11
28	Robustness of fuzzy logic control for an uncertain dynamic system. <i>IEEE Transactions on Fuzzy Systems</i> , 1998 , 6, 216-225	8.3	35
27	Robust H/sub ∞ / control with multiple constraints for the track-following system of an optical disk drive. <i>IEEE Transactions on Industrial Electronics</i> , 1998 , 45, 638-645	8.9	16
26	Sensor Fusion for Omnidirectional Sensor-Based Local Homing Navigation using Fuzzy Arithmetic. <i>Intelligent Automation and Soft Computing</i> , 1998 , 4, 215-226	2.6	1
25	Repetitive control for the track-following servo system of an optical disk drive. <i>IEEE Transactions on Control Systems Technology</i> , 1998 , 6, 663-670	4.8	95
24	Robust ILC with Current Feedback for Uncertain Linear Systems 1998 , 193-208		1
23	Comments on "Quadratic stabilization of continuous time systems with state-delay and norm-bounded time-varying uncertainties". <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 1740-1742 ^{5.9}		1
22	A robust fuzzy logic controller for robot manipulators with uncertainties. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1997 , 27, 706-13		40
21	An LMI approach to H ∞ controller design for linear time-delay systems. <i>Automatica</i> , 1997 , 33, 737-739	5.7	48
20	Robust observer-based H ∞ controller design for linear uncertain time-delay systems. <i>Automatica</i> , 1997 , 33, 1749-1752	5.7	44
19	Track-following control for optical disk drives using an iterative learning scheme. <i>IEEE Transactions on Consumer Electronics</i> , 1996 , 42, 192-198	4.8	11
18	Comments on "A new adaptive control algorithm for robot manipulators in task space". <i>IEEE Transactions on Automation Science and Engineering</i> , 1996 , 12, 502-503		
17	A method of acoustic landmark extraction for mobile robot navigation. <i>IEEE Transactions on Automation Science and Engineering</i> , 1996 , 12, 478-485		15
16	A constrained optimization approach to resolving manipulator redundancy. <i>Journal of Field Robotics</i> , 1996 , 13, 275-288		11

15	Observer-based H _∞ controller design for state delayed linear systems. <i>Automatica</i> , 1996 , 32, 1073-1075	5.7	79
14	ILC for non-minimum phase system. <i>International Journal of Systems Science</i> , 1996 , 27, 419-424	2.3	21
13	Systematic design and stability analysis of a fuzzy logic controller. <i>Fuzzy Sets and Systems</i> , 1995 , 72, 271-298	3.7	24
12	Optimal conditions for inverse kinematics of a robot manipulator with redundancy. <i>Robotica</i> , 1995 , 13, 95-101	2.1	5
11	Memoryless H _∞ controller design for linear systems with delayed state and control. <i>Automatica</i> , 1995 , 31, 917-919	5.7	41
10	Memoryless stabilization of uncertain dynamic systems with time-varying delayed states and controls. <i>Automatica</i> , 1995 , 31, 1349-1351	5.7	67
9	Uncertain robot environment modelling using fuzzy numbers. <i>Fuzzy Sets and Systems</i> , 1994 , 61, 53-62	3.7	7
8	A simple method of finding a visible region for the optimal camera position		1
7	Non-intrusive eye gaze estimation without knowledge of eye pose		3
6	SLAM with omni-directional stereo vision sensor		1
5	Development of work assistant mobile robot system for the handicapped in a real manufacturing environment ²		
4	Absolute Stereo SFM without Stereo Correspondence for Vision Based SLAM		1
3			2
2	Sensor-based local homing using Omnidirectional Range and Intensity Sensing System for indoor mobile robot navigation		1
1	Mobile Platform-Based Assistive Robot Systems ³⁷⁵⁻⁴⁰³		1