Yoshio Matsumoto

List of Publications by Year
in descending order

60	817	567281 15	642732 23
papers	citations	h-index	g-index

60	60	60	575
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Different impressions of other agents obtained through social interaction uniquely modulate dorsal and ventral pathway activities in the social human brain. Cortex, 2014, 58, 289-300.	2.4	62
2	Indoor Navigation for a Humanoid Robot Using a View Sequence. International Journal of Robotics Research, 2009, 28, 315-325.	8.5	61
3	The impact of robotic intervention on joint attention in children with autism spectrum disorders. Molecular Autism, 2018, 9, 46.	4.9	54
4	Android Robot-Mediated Mock Job Interview Sessions for Young Adults with Autism Spectrum Disorder: A Pilot Study. Frontiers in Psychiatry, 2017, 8, 169.	2.6	47
5	Optimal robot for intervention for individuals with autism spectrum disorders. Psychiatry and Clinical Neurosciences, 2020, 74, 581-586.	1.8	44
6	Job interview training targeting nonverbal communication using an android robot for individuals with autism spectrum disorder. Autism, 2019, 23, 1586-1595.	4.1	42
7	Can Robotic Systems Promote Self-Disclosure in Adolescents with Autism Spectrum Disorder? A Pilot Study. Frontiers in Psychiatry, 2018, 9, 36.	2.6	37
8	A pilot study for robot appearance preferences among high-functioning individuals with autism spectrum disorder: Implications for therapeutic use. PLoS ONE, 2017, 12, e0186581.	2.5	36
9	Brief Report: Evaluating the Utility of Varied Technological Agents to Elicit Social Attention from Children with Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2019, 49, 1700-1708.	2.7	34
10	Development of an android robot for psychological support in medical and welfare fields. , 2011, , .		32
11	Humanoid with Interaction Ability Using Vision and Speech Information. , 2006, , .		26
12	Communication Support via a Tele-Operated Robot for Easier Talking: Case/Laboratory Study of Individuals with/Without Autism Spectrum Disorder. International Journal of Social Robotics, 2019, 11, 171-184.	4.6	24
13	View-based navigation using an omniview sequence in a corridor environment. Machine Vision and Applications, 2003, 14, 121-128.	2.7	22
14	Yuragi-based adaptive searching behavior in mobile robot: From bacterial chemotaxis to Levy walk. , 2009, , .		21
15	Relaxing Gaze Aversion of Adolescents With Autism Spectrum Disorder in Consecutive Conversations With Human and Android Robotâ€"A Preliminary Study. Frontiers in Psychiatry, 2019, 10, 370.	2.6	21
16	Role-Play-Based Guidance for Job Interviews Using an Android Robot for Individuals With Autism Spectrum Disorders. Frontiers in Psychiatry, 2019, 10, 239.	2.6	19
17	Advantages of indirect conversation via a desktop humanoid robot: Case study on daily life guidance for adolescents with autism spectrum disorders. , 2016, , .		17
18	'Yuragi'-Based Adaptive Mobile Robot Search With and Without Gradient Sensing: From Bacterial Chemotaxis to a Levy Walk. Advanced Robotics, 2011, 25, 2019-2037.	1.8	16

#	Article	IF	Citations
19	Impressions of Humanness for Android Robot may Represent an Endophenotype for Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2018, 48, 632-634.	2.7	16
20	Psychological effects on interpersonal communication by bystander android using motions based on human-like needs. , 2009, , .		15
21	Tele-Operating an Android Robot to Promote the Understanding of Facial Expressions and to Increase Facial Expressivity in Individuals With Autism Spectrum Disorder. American Journal of Psychiatry, 2017, 174, 904-905.	7.2	15
22	Solving pose ambiguity of planar visual marker by wavelike two-tone patterns. , 2017, , .		14
23	Forward dynamics simulation of human figures on assistive devices using geometric skin deformation model. , 2015, 2015, 2442-5.		10
24	Enhancing Communication Skills of Individuals With Autism Spectrum Disorders While Maintaining Social Distancing Using Two Tele-Operated Robots. Frontiers in Psychiatry, 2020, 11, 598688.	2.6	10
25	Model-based hand pose estimation using multiple viewpoint silhouette images and Unscented Kalman Filter. , 2008, , .		9
26	3D model-based 6-DOF head tracking by a single camera for human-robot interaction. , 2009, , .		9
27	Bacteria-inspired underactuated mobile robot based on a biological fluctuation. Adaptive Behavior, 2012, 20, 225-236.	1.9	9
28	Touching an Android robot: Would you do it and how?. , 2015, , .		7
29	Comedic experience with two robots aided a child with autism spectrum disorder to realize the importance of nonverbal communication. Psychiatry and Clinical Neurosciences, 2019, 73, 423-423.	1.8	7
30	A Path-Planning Method for Human-Tracking Agents Based on Long-Term Prediction. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1543-1554.	2.9	6
31	Visual Navigation Based on View-Sequenced Route Representation.. Journal of the Robotics Society of Japan, 1997, 15, 236-242.	0.1	6
32	AR-Based Assistance System to Search Disaster Victims Using Teleoperated Unmanned Helicopter. Transactions of the Society of Instrument and Control Engineers, 2005, 41, 1019-1025.	0.2	6
33	On-the-spot Rider-directed Action Instruction with the Personal Vision-based Mobile Robot "Hyper Scooter".. Journal of the Robotics Society of Japan, 1996, 14, 1138-1144.	0.1	5
34	Differences in the Optimal Motion of Android Robots for the Ease of Communications Among Individuals With Autism Spectrum Disorders. Frontiers in Psychiatry, 0, 13, .	2.6	5
35	Android Robot Promotes Disclosure of Negative Narratives by Individuals With Autism Spectrum Disorders. Frontiers in Psychiatry, 0, 13, .	2.6	5
36	An Optical 6-Axis Force Sensor for Brain Function Analysis using fMRI. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2004, 70, 743-750.	0.2	4

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37	Hand pose estimation using voxel-based individualized hand model. , 2009, , .		4
38	Generating individual maps from Universal map for heterogeneous mobile robots. , 2010, , .		4
39	How the Realism of Robot Is Needed for Individuals With Autism Spectrum Disorders in an Interview Setting. Frontiers in Psychiatry, 2019, 10, 486.	2.6	4
40	Telmisartan Exacerbates Cisplatin-Induced Nephrotoxicity in a Mouse Model. Biological and Pharmaceutical Bulletin, 2020, 43, 1331-1337.	1.4	4
41	Indoor and Outdoor Navigation based on View Sequence under Variable Illumination Condition. Journal of the Robotics Society of Japan, 2011, 27, 768-773.	0.1	4
42	Human tracking with variable prediction steps based on Kullback-Leibler divergence. Artificial Life and Robotics, 2010, 15, 111-116.	1.2	3
43	Whole body sensing dummy of the elderly to evaluate robotic devices for nursing care. Advanced Robotics, 2021, 35, 504-515.	1.8	3
44	Group-Based Online Job Interview Training Program Using Virtual Robot for Individuals With Autism Spectrum Disorders. Frontiers in Psychiatry, 2021, 12, 704564.	2.6	3
45	Recognition of In-Hand Manipulation along with Rolling Contact using Orbital Motion of Contact Points on Object Surface. , 2006, , .		2
46	Brain Activity in the Evaluation of the Impression of Robot Bodily Expressions. , 2006, , .		2
47	Noise-based underactuated mobile robot inspired by bacterial motion mechanism. , 2009, , .		2
48	Control method for a robot based on the adaptive attractor selection model. , 2009, , .		2
49	Vibration suppression control using a pattern generator for a robot driven by air actuators. , 2009, , .		2
50	Drive Monitoring System Based on Non-Contact Measurement System of Driver's Focus of Visual Attention. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2005, 71, 519-524.	0.2	1
51	Manipulative Familiarization and Fatigue Evaluation Using Contact State Transition. , 2006, , .		1
52	1 DOF swimming robot inspired by bacterial motion mechanism. , 2009, , .		1
53	Personal identification and visualization of relationships by using human trajectories. , 2009, , .		1
54	User-Adaptable Hand Pose Estimation Technique for Human-Robot Interaction. Journal of Robotics and Mechatronics, 2009, 21, 739-748.	1.0	1

#	Article	IF	Citations
55	A Study of the Toe Function for Human Walking by the Existence of a Toe Using a Toe Pressure Measurement System. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2004, 70, 213-220.	0.2	0
56	Evaluation of Manipulative Familiarization and Fatigue Using Contact State Transition on Palm Surface. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2006, 72, 3601-3608.	0.2	0
57	Estimation of group attention for automated camerawork. , 2008, , .		0
58	Psychological Evaluation on Influence of Appearance and Synchronizing Operation of Android Robot. Springer Proceedings in Advanced Robotics, 2017, , 819-828.	1.3	0
59	Application of Head Tracking Method Using Stereo Camera Pair and Localization Method Using Laser Range Finder to Augmented Reality. Transactions of the Society of Instrument and Control Engineers, 2004, 40, 755-761.	0.2	0
60	309 Estimation of the Slip Margin in Human Walk by Processing the Plantar Images. Proceedings of the JSME Bioengineering Conference and Seminar, 2005, 2004.17, 101-102.	0.0	0