

Takato Horii

List of Publications by Year in descending order

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18
papers

217
citations

1307594

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all docs

18
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18
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Tri-Axis Tactile Sensor Using Spiral Inductor and Magnetorheological Elastomer. IEEE Sensors Journal, 2018, 18, 5834-5841.	4.7	56
2	Neuro-SERKET: Development of Integrative Cognitive System Through the Composition of Deep Probabilistic Generative Models. New Generation Computing, 2020, 38, 23-48.	3.3	30
3	Soft Inductive Tactile Sensor Using Flow-Channel Enclosing Liquid Metal. IEEE Robotics and Automation Letters, 2020, 5, 4028-4034.	5.1	20
4	Modeling Development of Multimodal Emotion Perception Guided by Tactile Dominance and Perceptual Improvement. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 762-775.	3.8	18
5	An Information Theoretic Approach to Reveal the Formation of Shared Representations. Frontiers in Computational Neuroscience, 2020, 14, 1.	2.1	17
6	Imitation of human expressions based on emotion estimation by mental simulation. Paladyn, 2016, 7, .	2.7	13
7	Size dependency in sensor response of a flexible tactile sensor based on inductance measurement. , 2017, , .		11
8	Integrated Cognitive Architecture for Robot Learning of Action and Language. Frontiers in Robotics and AI, 2019, 6, 131.	3.2	11
9	Design and preliminary evaluation of the vocal cords and articulator of an infant-like vocal robot "Lingua". , 2014, , .		7
10	Active Inference Through Energy Minimization in Multimodal Affective Human—Robot Interaction. Frontiers in Robotics and AI, 2021, 8, 684401.	3.2	7
11	Explainable Temperament Estimation of Toddlers by a Childcare Robot. , 2020, , .		6
12	A framework of explanation generation toward reliable autonomous robots. Advanced Robotics, 2021, 35, 1054-1067.	1.8	6
13	Compensation for tactile hysteresis using Gaussian process with sensory Markov property. , 2014, , .		4
14	Temperament estimation of toddlers from child—robot interaction with explainable artificial intelligence. Advanced Robotics, 2021, 35, 1068-1077.	1.8	3
15	Touch and emotion: Modeling of developmental differentiation of emotion lead by tactile dominance. , 2013, , .		2
16	Contact force estimation from flexible tactile sensor values considering hysteresis by Gaussian process. , 2014, , .		2
17	Editorial: Language and Robotics. Frontiers in Robotics and AI, 2021, 8, 674832.	3.2	2
18	Automated Microhand System for Measuring Cell Stiffness By Using Two Plate End-Effectors. IEEE Robotics and Automation Letters, 2022, 7, 2385-2390.	5.1	2