

Sinan Kalkan

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,193
citations

840776

11
h-index

752698

20
g-index

40
all docs

40
docs citations

40
times ranked

1142
citing authors

#	ARTICLE	IF	CITATIONS
1	Knowledge of Autism Spectrum Disorder among the General Population in Turkey: Implications for Public Training and Education. <i>International Journal of Disability Development and Education</i> , 2022, 69, 565-577.	1.1	2
2	Mind Your Manners! A Dataset and a Continual Learning Approach for Assessing Social Appropriateness of Robot Actions. <i>Frontiers in Robotics and AI</i> , 2022, 9, 669420.	3.2	5
3	Hand-crafted versus learned representations for audio event detection. <i>Multimedia Tools and Applications</i> , 2022, 81, 30911-30930.	3.9	1
4	Imbalance Problems in Object Detection: A Review. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021, 43, 3388-3415.	13.9	267
5	Transformer-Encoder Detector Module: Using Context to Improve Robustness to Adversarial Attacks on Object Detection. , 2021, , .		4
6	Speech Driven Gaze in a Face-to-Face Interaction. <i>Frontiers in Neurorobotics</i> , 2021, 15, 598895.	2.8	0
7	Reinforcement Learning versus Conventional Control for Controlling a Planar Bi-rotor Platform with Tail Appendage. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 102, 1.	3.4	10
8	Rank & Sort Loss for Object Detection and Instance Segmentation. , 2021, , .		20
9	Generating Positive Bounding Boxes for Balanced Training of Object Detectors. , 2020, , .		13
10	Continual Learning for Affective Robotics: Why, What and How?. , 2020, , .		37
11	COSMO: Contextualized scene modeling with Boltzmann Machines. <i>Robotics and Autonomous Systems</i> , 2019, 113, 132-148.	5.1	10
12	CINet: A Learning Based Approach to Incremental Context Modeling in Robots. , 2018, , .		3
13	A Deep Incremental Boltzmann Machine for Modeling Context in Robots. , 2018, , .		3
14	What is (Missing or Wrong) in the Scene? A Hybrid Deep Boltzmann Machine for Contextualized Scene Modeling. , 2018, , .		5
15	Localization Recall Precision (LRP): A New Performance Metric for Object Detection. <i>Lecture Notes in Computer Science</i> , 2018, , 521-537.	1.3	49
16	Ä–Äretmenlerin otizm spektrum bozukluÄŸu hakkÄ±nda bilgileri: TÄ¼rkiye ÄrneÄyi. <i>Turkish Journal of Education</i> , 2018, 7, 169-185.	1.8	7
17	A Gaze-Centered Multimodal Approach to Human-Human Social Interaction. , 2017, , .		0
18	Using deep networks for drone detection. , 2017, , .		129

#	ARTICLE	IF	CITATIONS
19	An Analysis of Turkish Pre-Service Teachers's Knowledge of Autism Spectrum Disorder. SAGE Open, 2016, 6, 215824401666885.	1.7	12
20	Learning Context on a Humanoid Robot using Incremental Latent Dirichlet Allocation. IEEE Transactions on Cognitive and Developmental Systems, 2016, 8, 42-59.	3.8	16
21	CoSPAIR: Colored Histograms of Spatial Concentric Surflet-Pairs for 3D object recognition. Robotics and Autonomous Systems, 2016, 75, 558-570.	5.1	18
22	Integrating spatial concepts into a probabilistic concept web. , 2015, , .		2
23	An MRF framework for co-solving image segmentation and border ownership. , 2015, , .		0
24	Vision-Based Detection and Distance Estimation of Micro Unmanned Aerial Vehicles. Sensors, 2015, 15, 23805-23846.	3.8	83
25	A Probabilistic Concept Web on a Humanoid Robot. IEEE Transactions on Autonomous Mental Development, 2015, 7, 92-106.	1.6	16
26	Towards an Embodied Developing Vision System. KI - Kunstliche Intelligenz, 2015, 29, 41-50.	3.2	0
27	Using slowness principle for feature selection: Relevant feature analysis. , 2014, , .		0
28	Learning and using context on a humanoid robot using latent dirichlet allocation. , 2014, , .		8
29	Verb concepts from affordances. Interaction Studies, 2014, 15, 1-37.	0.6	20
30	Deep Hierarchies in the Primate Visual Cortex: What Can We Learn for Computer Vision?. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1847-1871.	13.9	285
31	Co-learning nouns and adjectives. , 2013, , .		6
32	The learning of adjectives and nouns from affordance and appearance features. Adaptive Behavior, 2013, 21, 437-451.	1.9	37
33	A comprehensive database for border ownership. , 2013, , .		1
34	Human and robotics hands grasping danger. , 2012, , .		2
35	Disparity disambiguation by fusion of signal- and symbolic-level information. Machine Vision and Applications, 2012, 23, 65-77.	2.7	5
36	Learning Adjectives and Nouns from Affordances on the iCub Humanoid Robot. Lecture Notes in Computer Science, 2012, , 330-340.	1.3	7

#	ARTICLE	IF	CITATIONS
37	Learning Affordances for Categorizing Objects and Their Properties. , 2010, , .		11
38	Continuous dimensionality characterization of image structures. Image and Vision Computing, 2009, 27, 628-636.	4.5	39
39	Using 3D contours and their relations for cognitive vision and robotics. , 2009, , .		1
40	BIRTH OF THE OBJECT: DETECTION OF OBJECTNESS AND EXTRACTION OF OBJECT SHAPE THROUGH OBJECTâ€“ACTION COMPLEXES. International Journal of Humanoid Robotics, 2008, 05, 247-265.	1.1	59