

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	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
2	Imbalance Problems in Object Detection: A Review. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3388-3415.	13.9	267
3	Using deep networks for drone detection. , 2017, , .		129
4	Vision-Based Detection and Distance Estimation of Micro Unmanned Aerial Vehicles. Sensors, 2015, 15, 23805-23846.	3.8	83
5	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
6	Localization Recall Precision (LRP): A New Performance Metric for Object Detection. Lecture Notes in Computer Science, 2018, , 521-537.	1.3	49
7	Continuous dimensionality characterization of image structures. Image and Vision Computing, 2009, 27, 628-636.	4.5	39
8	The learning of adjectives and nouns from affordance and appearance features. Adaptive Behavior, 2013, 21, 437-451.	1.9	37
9	Continual Learning for Affective Robotics: Why, What and How?. , 2020, , .		37
10	Verb concepts from affordances. Interaction Studies, 2014, 15, 1-37.	0.6	20
11	Rank & Sort Loss for Object Detection and Instance Segmentation. , 2021, , .		20
12	CoSPAIR: Colored Histograms of Spatial Concentric Surflet-Pairs for 3D object recognition. Robotics and Autonomous Systems, 2016, 75, 558-570.	5.1	18
13	A Probabilistic Concept Web on a Humanoid Robot. IEEE Transactions on Autonomous Mental Development, 2015, 7, 92-106.	1.6	16
14	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
15	Generating Positive Bounding Boxes for Balanced Training of Object Detectors. , 2020, , .		13
16	An Analysis of Turkish Pre-Service Teachersâ€™ Knowledge of Autism Spectrum Disorder. SAGE Open, 2016, 6, 215824401666885.	1.7	12
17	Learning Affordances for Categorizing Objects and Their Properties. , 2010, , .		11
18	COSMO: Contextualized scene modeling with Boltzmann Machines. Robotics and Autonomous Systems, 2019, 113, 132-148.	5.1	10

#	ARTICLE	IF	CITATIONS
19	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
20	Learning and using context on a humanoid robot using latent dirichlet allocation. , 2014, , .		8
21	Learning Adjectives and Nouns from Affordances on the iCub Humanoid Robot. <i>Lecture Notes in Computer Science</i> , 2012, , 330-340.	1.3	7
22	Ä–Äretmenlerin otizm spektrum bozukluÄŸu hakkÄ±nda bilgileri: TÄ¼rkiye Ä¶rneÄŸi. <i>Turkish Journal of Education</i> , 2018, 7, 169-185.	1.8	7
23	Co-learning nouns and adjectives. , 2013, , .		6
24	Disparity disambiguation by fusion of signal- and symbolic-level information. <i>Machine Vision and Applications</i> , 2012, 23, 65-77.	2.7	5
25	What is (Missing or Wrong) in the Scene? A Hybrid Deep Boltzmann Machine for Contextualized Scene Modeling. , 2018, , .		5
26	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
27	Transformer-Encoder Detector Module: Using Context to Improve Robustness to Adversarial Attacks on Object Detection. , 2021, , .		4
28	CINet: A Learning Based Approach to Incremental Context Modeling in Robots. , 2018, , .		3
29	A Deep Incremental Boltzmann Machine for Modeling Context in Robots. , 2018, , .		3
30	Human and robotics hands grasping danger. , 2012, , .		2
31	Integrating spatial concepts into a probabilistic concept web. , 2015, , .		2
32	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
33	Using 3D contours and their relations for cognitive vision and robotics. , 2009, , .		1
34	A comprehensive database for border ownership. , 2013, , .		1
35	Hand-crafted versus learned representations for audio event detection. <i>Multimedia Tools and Applications</i> , 2022, 81, 30911-30930.	3.9	1
36	Using slowness principle for feature selection: Relevant feature analysis. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	An MRF framework for co-solving image segmentation and border ownership. , 2015, , .		0
38	Towards an Embodied Developing Vision System. KI - Kunstliche Intelligenz, 2015, 29, 41-50.	3.2	0
39	A Gaze-Centered Multimodal Approach to Human-Human Social Interaction. , 2017, , .		0
40	Speech Driven Gaze in a Face-to-Face Interaction. Frontiers in Neurorobotics, 2021, 15, 598895.	2.8	0