Erol Sahin

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.

47 papers	1,701 citations	18 h-index	41 g-index
54 ext. papers	2,026 ext. citations	2 avg, IF	4.84 L-index

#	Paper	IF	Citations
47	Designing Social Cues for Collaborative Robots **2020**,		5
46	. *IEEE Transactions on Cognitive and Developmental Systems*, **2016**, 8, 42-59	3	14
45	. *IEEE Transactions on Autonomous Mental Development*, **2015**, 7, 119-139		48
44	Integrating spatial concepts into a probabilistic concept web **2015**,		2
43	Vision-Based Detection and Distance Estimation of Micro Unmanned Aerial Vehicles. *Sensors*, **2015**, 15, 23805-46	3.8	47
42	Learning and using context on a humanoid robot using latent dirichlet allocation **2014**,		7
41	Verb concepts from affordances. *Interaction Studies*, **2014**, 15, 1-37	1.3	18
40	Co-learning nouns and adjectives **2013**,		6
39	The learning of adjectives and nouns from affordance and appearance features. *Adaptive Behavior*, **2013**, 21, 437-451	1.1	16
38	Self-discovery of motor primitives and learning grasp affordances **2012**,		20
37	Human and robotics hands grasping danger **2012**,		2
36	Affordance prediction of hand tools using interactive perception **2012**,		1
35	Closed-loop primitives: A method to generate and recognize reaching actions from demonstration **2012**,		4
34	Learning Adjectives and Nouns from Affordances on the iCub Humanoid Robot. *Lecture Notes in Computer Science*, **2012**, 330-340	0.9	6
33	Goal emulation and planning in perceptual space using learned affordances. *Robotics and Autonomous Systems*, **2011**, 59, 580-595	3.5	56
32	ANTS 2010 special issue. *Swarm Intelligence*, **2011**, 5, 143-147	3	1
31	Learning to grasp with parental scaffolding **2011**,		7

30	Unsupervised learning of object affordances for planning in a mobile manipulation platform **2011**,		8
29	Going beyond the perception of affordances: Learning how to actualize them through behavioral parameters **2011**,		10
28	Traversability: A Case Study for Learning and Perceiving Affordances in Robots. *Adaptive Behavior*, **2010**, 18, 258-284	1.1	46
27	Learning Affordances for Categorizing Objects and Their Properties **2010**,		10
26	The pros and cons of flocking in the long-range migration of mobile robot swarms. *Theoretical Computer Science*, **2010**, 411, 2140-2154	1.1	6
25	Steering self-organized robot flocks through externally guided individuals. *Neural Computing and Applications*, **2010**, 19, 849-865	4.8	52
24	Unsupervised learning of affordance relations on a humanoid robot **2009**,		3
23	Predicting future object states using learned affordances **2009**,		5
22	Modeling self-organized aggregation in swarm robotic systems **2009**,		21
21	Guiding a Robot Flock via Informed Robots **2009**, 215-225		2
20	Swarm Robotics. *Natural Computing Series*, **2008**, 87-100	2.5	40
19	Using learned affordances for robotic behavior development **2008**,		6
18	Self-organized flocking in mobile robot swarms. *Swarm Intelligence*, **2008**, 2, 97-120	3	175
17	Special issue on swarm robotics. *Swarm Intelligence*, **2008**, 2, 69-72	3	46
16	The MACS Project: An Approach to Affordance-Inspired Robot Control **2008**, 173-210		4
15	Modeling Phase Transition in Self-organized Mobile Robot Flocks. *Lecture Notes in Computer Science*, **2008**, 108-119	0.9	7
14	Curiosity-driven learning of traversability affordance on a mobile robot **2007**,		14
13	Dispersion of a swarm of robots based on realistic wireless intensity signals **2007**,		5

12	From primitive behaviors to goal-directed behavior using affordances **2007**,		11
11	The learning and use of traversability affordance using range images on a mobile robot. *Proceedings - IEEE International Conference on Robotics and Automation*, **2007**,		30
10	A Macroscopic Model for Self-organized Aggregation in Swarm Robotic Systems **2006**, 27-42		29
9	Area measurement of large closed regions with a mobile robot. *Autonomous Robots*, **2006**, 21, 255-266	3	3
8	Swarm Robotics: From Sources of Inspiration to Domains of Application. *Lecture Notes in Computer Science*, **2005**, 10-20	0.9	301
7	Evolving Self-Organizing Behaviors for a Swarm-Bot. *Autonomous Robots*, **2004**, 17, 223-245	3	200
6	Evolving Aggregation Behaviors in a Swarm of Robots. *Lecture Notes in Computer Science*, **2003**, 865-874	0.9	54
5	PES: A System for Parallelized Fitness Evaluation of Evolutionary Methods. *Lecture Notes in Computer Science*, **2003**, 900-907	0.9	2
4	Towards an On-Line Neural Conditioning Model for Mobile Robots. *Lecture Notes in Computer Science*, **2001**, 524-530	0.9	
3	Probabilistic aggregation strategies in swarm robotic systems		51
2	Evolving aggregation behaviors for swarm robotic systems: a systematic case study		12
1	Development of a visual object localization module for mobile robots		3