

# LuÃ-s Seabra Lopes

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

722  
citations

840776

11  
h-index

794594

19  
g-index

89  
all docs

89  
docs citations

89  
times ranked

464  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local-LDA: Open-Ended Learning of Latent Topics for 3D Object Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2567-2580.	13.9	10
2	Interactive Open-Ended Object, Affordance and Grasp Learning for Robotic Manipulation. , 2019, , .		8
3	Learning the Scope of Applicability for Task Planning Knowledge in Experience-Based Planning Domains. , 2019, , .		2
4	Towards lifelong assistive robotics: A tight coupling between object perception and manipulation. Neurocomputing, 2018, 291, 151-166.	5.9	35
5	Coping with Context Change in Open-Ended Object Recognition without Explicit Context Information. , 2018, , .		1
6	As Pilhas de Pesos de Dom Manuel I: Contributo para a sua caracterizaĂo, inventariaĂo e avaliaĂo. PortugĂlia, 2018, 39, 217-251.	0.3	0
7	Learning robot tasks with loops from experiences to enhance robot adaptability. Pattern Recognition Letters, 2017, 99, 57-66.	4.2	4
8	Learning and planning of robot tasks with loops. , 2017, , .		0
9	An approach to robot task learning and planning with loops. , 2017, , .		1
10	Multi-view 6D Object Pose Estimation and Camera Motion Planning Using RGBD Images. , 2017, , .		36
11	Object Learning and Grasping Capabilities for Robotic Home Assistants. Lecture Notes in Computer Science, 2017, , 279-293.	1.3	2
12	Learning to grasp familiar objects using object view recognition and template matching. , 2016, , .		12
13	An orthographic descriptor for 3D object learning and recognition. , 2016, , .		7
14	Concurrent 3D Object Category Learning and Recognition Based on Topic Modelling and Human Feedback. , 2016, , .		1
15	A Learning Approach for Robotic Grasp Selection in Open-Ended Domains. , 2016, , .		0
16	Experience-Based Planning Domains: an Integrated Learning and Deliberation Approach for Intelligent Robots. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 83, 463-483.	3.4	8
17	GOOD: A global orthographic object descriptor for 3D object recognition and manipulation. Pattern Recognition Letters, 2016, 83, 312-320.	4.2	41
18	ECG denoising with Adaptive Filter and Singular Value Decomposition techniques. , 2016, , .		1

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19	3D object perception and perceptual learning in the RACE project. Robotics and Autonomous Systems, 2016, 75, 614-626.	5.1	29
20	An experimental protocol for the evaluation of open-ended category learning algorithms. , 2015, , .		3
21	Planning with Activity Schemata: Closing the Loop in Experience-Based Planning. , 2015, , .		3
22	Concurrent learning of visual codebooks and object categories in open-ended domains. , 2015, , .		12
23	Batch Reinforcement Learning for Robotic Soccer Using the Q-Batch Update-Rule. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 80, 385-399.	3.4	8
24	Interactive Open-Ended Learning for 3D Object Recognition: An Approach and Experiments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 80, 537-553.	3.4	29
25	An Adaptive Object Perception System Based on Environment Exploration and Bayesian Learning. , 2015, , .		5
26	ECG Signal Prediction for Destructive Motion Artefacts. Advances in Intelligent Systems and Computing, 2015, , 95-103.	0.6	1
27	Hierarchical Nearest Neighbor Graphs for Building Perceptual Hierarchies. Lecture Notes in Computer Science, 2015, , 646-655.	1.3	3
28	The RACE Project. KI - Kunstliche Intelligenz, 2014, 28, 297-304.	3.2	18
29	A perceptual memory system for grounding semantic representations in intelligent service robots. , 2014, , .		19
30	Interactive teaching and experience extraction for learning about objects and robot activities. , 2014, , .		12
31	Portable decision support system for heart failure detection and medical diagnosis. , 2014, , .		4
32	An interactive open-ended learning approach for 3D object recognition. , 2014, , .		5
33	Learning robotic soccer controllers with the Q-Batch update-rule. , 2014, , .		2
34	A portable spatial monitoring system for autonomous heart diagnosis. , 2013, , .		2
35	Evaluation of a dialogue manager for a mobile robot. , 2013, , .		1
36	The Representation of Weighted Action-Coupled Semantic Network and Spreading Activation Model for Improvisational Action. , 2013, , .		0

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37	Contour-Based Object Extraction and Clutter Removal for Semantic Vision. Lecture Notes in Computer Science, 2013, , 170-180.	1.3	2
38	Aerial Ball Perception Based on the Use of a Single Perspective Camera. Lecture Notes in Computer Science, 2013, , 235-246.	1.3	5
39	Unsupervised Internet-Based Category Learning for Object Recognition. Lecture Notes in Computer Science, 2013, , 766-773.	1.3	1
40	A brief survey of commercial robotic arms for research on manipulation. , 2012, , .		9
41	A COP-based controller for adaptive motion planning of a single-legged robot. , 2012, , .		2
42	Using spoken words to guide open-ended category formation. Cognitive Processing, 2011, 12, 341-354.	1.4	18
43	Robot team coordination using dynamic role and positioning assignment and role based setplays. Mechatronics, 2011, 21, 445-454.	3.3	14
44	CAMBADA Soccer Team: from Robot Architecture to Multiagent Coordination. , 2010, , .		8
45	Communicating among Robots in the RoboCup Middle-Size League. Lecture Notes in Computer Science, 2010, , 320-331.	1.3	9
46	Experiments with Single-class Support Vector Data Descriptions as a Tool for Vocabulary Grounding. , 2010, , .		0
47	Multi-robot team coordination through roles, positionings and coordinated procedures. , 2009, , .		29
48	Roles, Positionings and Set Plays to Coordinate a RoboCup MSL Team. Lecture Notes in Computer Science, 2009, , 323-337.	1.3	4
49	Learning Visual Object Categories with Global Descriptors and Local Features. Lecture Notes in Computer Science, 2009, , 225-236.	1.3	4
50	How many words can my robot learn? An approach and experiments with one-class learning. Contemporary Discourses of Hate and Radicalism Across Space and Genres, 2009, , 55-83.	0.0	0
51	Embodied Language Acquisition: A Proof of Concept. Lecture Notes in Computer Science, 2009, , 263-274.	1.3	0
52	Semantic Image Search and Subset Selection for Classifier Training in Object Recognition. Lecture Notes in Computer Science, 2009, , 338-349.	1.3	2
53	DarkBlade: A Program That Plays Diplomacy. Lecture Notes in Computer Science, 2009, , 485-496.	1.3	4
54	Open-ended category learning for language acquisition. Connection Science, 2008, 20, 277-297.	3.0	14

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55	Beyond the individual: new insights on language, cognition and robots. Connection Science, 2008, 20, 231-237.	3.0	5
56	Self-configuration of an adaptive TDMA wireless communication protocol for teams of mobile robots. , 2008, , .		42
57	FAILURE RECOVERY PLANNING FOR ROBOTIZED ASSEMBLY BASED ON LEARNED SEMANTIC STRUCTURES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 59-64.	0.4	5
58	How many words can my robot learn?. Interaction Studies, 2007, 8, 53-81.	0.6	33
59	O moio-medida e o moio dos preÃšos em Portugal nos sÃ©culos XI a XIII. Anuario De Estudios Medievales, 2005, 35, 25-46.	0.1	1
60	Visual Object Recognition Through One-Class Learning. Lecture Notes in Computer Science, 2004, , 463-470.	1.3	8
61	One-Class Learning for Human-Robot Interaction. , 2004, , 489-498.		1
62	Coordinating Distributed Autonomous Agents with a Real-Time Database: The CAMBADA Project. Lecture Notes in Computer Science, 2004, , 876-886.	1.3	31
63	An Hybrid Approach for Spoken Natural Language Understanding Applied to a Mobile Intelligent Robot. , 2004, , .		3
64	Sentience in robots: applications and challenges. IEEE Intelligent Systems, 2001, 16, 66-69.	4.0	5
65	Semisentient robots: routes to integrated intelligence. IEEE Intelligent Systems, 2001, 16, 10-14.	4.0	2
66	Feature Transformation Strategies for a Robot Learning Problem. , 1998, , 375-391.		9
67	Integration and learning in supervision of flexible assembly systems. IEEE Transactions on Automation Science and Engineering, 1996, 12, 202-219.	2.3	32
68	Planning, Training and Learning in Supervision of Flexible Assembly Systems. , 1995, , 63-74.		5
69	Learning to diagnose failures of assembly tasks. Annual Review in Automatic Programming, 1994, 19, 97-103.	0.2	4
70	Human-robot interaction through spoken language dialogue. , 0, , .		23
71	Execution monitoring in assembly with learning capabilities. , 0, , .		11
72	A machine learning approach to error detection and recovery in assembly. , 0, , .		11

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73	Inductive generation of diagnostic knowledge for autonomous assembly. , 0, , .		7
74	Towards intelligent execution supervision for flexible assembly systems. , 0, , .		3
75	Learning failure recovery knowledge for mechanical assembly. , 0, , .		3
76	Intelligent control and decision-making demonstrated on a simple compass-guided robot. , 0, , .		1
77	Carl: from situated activity to language level interaction and learning. , 0, , .		9
78	Towards grounded human-robot communication. , 0, , .		6
79	Indoor object recognition through human interaction using wavelet features. , 0, , .		1
80	A robot with natural interaction capabilities. , 0, , .		1
81	Os Borges de Carvalhais, Senhores de Ferreiros, Avelãs de Cima e ãhavo. Revista De Historia Da Sociedade E Da Cultura, 0, 17, 103-128.	0.1	0
82	A Metrologia em Portugal em Finais do Sã©culo XVIII e a â€œMemã³ria sobre Pesos e Medidasâ€•de Josã© de Abreu Bacelar Chichorro (1795). Revista Portuguesa De Histã³ria, 0, 49, 157-188.	0.0	0
83	Os marcos de Colonha e de Tria e a reforma dos Pesos de Dom Joã£o II (1487-1488). Revista Portuguesa De Histã³ria, 0, 51, 83-105.	0.0	0