Carlo Ciliberto

List of Publications by Year
in descending order

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Version: 2024-02-01

25 papers	554 citations	1684188 5 h-index	1720034 7 g-index
25 all docs	25 docs citations	25 times ranked	646 citing authors

#	Article	IF	Citations
1	Quantum machine learning: a classical perspective. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170551.	2.1	244
2	Object identification from few examples by improving the invariance of a Deep Convolutional Neural Network. , 2016, , .		36
3	Active perception: Building objects' models using tactile exploration. , 2016, , .		32
4	Are we done with object recognition? The iCub robotâ€™s perspective. Robotics and Autonomous Systems, 2019, 112, 260-281.	5.1	32
5	Reexamining Lucas-Kanade method for real-time independent motion detection: Application to the iCub humanoid robot. , 2011, , .		23
6	Low Compute and Fully Parallel Computer Vision with HashMatch. , 2017, , .		21
7	Incremental robot learning of new objects with fixed update time. , 2017, , .		19
8	Weakly supervised strategies for natural object recognition in robotics. , 2013, , .		18
9	Enabling Depth-Driven Visual Attention on the iCub Humanoid Robot: Instructions for Use and New Perspectives. Frontiers in Robotics and AI, 2016, 3, .	3.2	17
10	iCub World: Friendly Robots Help Building Good Vision Data-Sets. , 2013, , .		15
11	Online multiple instance learning applied to hand detection in a humanoid robot. , 2011, , .		14
12	A heteroscedastic approach to independent motion detection for actuated visual sensors. , 2012, , .		11
13	Ask the Image: Supervised Pooling to Preserve Feature Locality. , 2014, , .		11
14	On the impact of learning hierarchical representations for visual recognition in robotics. , 2013, , .		9
15	Exploiting global force torque measurements for local compliance estimation in tactile arrays. , 2014, , .		8
16	Combining sensory modalities and exploratory procedures to improve haptic object recognition in robotics. , 2016, , .		8
17	Visual recognition for humanoid robots. Robotics and Autonomous Systems, 2017, 91, 151-168.	5.1	8
18	Statistical limits of supervised quantum learning. Physical Review A, 2020, 102, .	2.5	7

#	Article	IF	Citations
19	Learning multiple visual tasks while discovering their structure. , 2015, , .		6
20	Approximating Hamiltonian dynamics with the NystrÃ¶m method. Quantum - the Open Journal for Quantum Science, 0, 4, 234.	0.0	6
21	Online movement adaptation based on previous sensor experiences. , 2011, , .		4
22	Connecting YARP to the Web with Yarp.js. Frontiers in Robotics and AI, 2017, 4, .	3.2	2
23	Structured Prediction for CRiSP Inverse Kinematics Learning With Misspecified Robot Models. IEEE Robotics and Automation Letters, 2021, 6, 5650-5657.	5.1	2
24	Characterizing the Input-Output Function of the Olfactory-Limbic Pathway in the Guinea Pig. Computational Intelligence and Neuroscience, 2015, 2015, 1-11.	1.7	1
25	Recursive state-parameter estimation of haptic robotic systems. , 2011, , .		0