Pablo Lanillos

List of Publications by Year
in descending order

33	617	933447 10	839539 18
papers	citations	h-index	g-index

38	38	38	509
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on neural network models of schizophrenia and autism spectrum disorder. Neural Networks, 2020, 122, 338-363.	5.9	101
2	Multi-UAV target search using decentralized gradient-based negotiation with expected observation. Information Sciences, 2014, 282, 92-110.	6.9	80
3	Adaptive Robot Body Learning and Estimation Through Predictive Coding. , 2018, , .		45
4	A Tactile-Based Framework for Active Object Learning and Discrimination using Multimodal Robotic Skin. IEEE Robotics and Automation Letters, 2017, 2, 2143-2150.	5.1	43
5	An Empirical Study of Active Inference on a Humanoid Robot. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 462-471.	3.8	31
6	End-to-End Pixel-Based Deep Active Inference for Body Perception and Action. , 2020, , .		26
7	Minimum time search for lost targets using cross entropy optimization. , 2012, , .		25
8	Yielding Self-Perception in Robots Through Sensorimotor Contingencies. IEEE Transactions on Cognitive and Developmental Systems, 2017, 9, 100-112.	3.8	24
9	Minimum Time Search in Uncertain Dynamic Domains with Complex Sensorial Platforms. Sensors, 2014, 14, 14131-14179.	3.8	23
10	Robotic technologies for fast deployment of industrial robot systems. , 2016, , .		20
11	Designing an artificial attention system for social robots. , 2015, , .		17
12	How Active Inference Could Help Revolutionise Robotics. Entropy, 2022, 24, 361.	2.2	16
13	A bayesian approach for constrained multi-agent minimum time search in uncertain dynamic domains. , 2013, , .		15
14	Attention-based active visual search for mobile robots. Autonomous Robots, 2020, 44, 131-146.	4.8	15
15	Drifting perceptual patterns suggest prediction errors fusion rather than hypothesis selection: replicating the rubber-hand illusion on a robot. , 2018, , .		14
16	Enactive self: A study of engineering perspectives to obtain the sensorimotor self through enaction. , 2017, , .		13
17	Robot in the Mirror: Toward an Embodied Computational Model of Mirror Self-Recognition. KI - Kunstliche Intelligenz, 2021, 35, 37-51.	3.2	12
18	Deep Active Inference for Partially Observable MDPs. Communications in Computer and Information Science, 2020, , 61-71.	0.5	12

#	Article	IF	Citations
19	Multimodal VAE Active Inference Controller. , 2021, , .		11
20	A Deep Active Inference Model of the Rubber-Hand Illusion. Communications in Computer and Information Science, 2020, , 84-91.	0.5	9
21	Active inference unifies intentional and conflict-resolution imperatives of motor control. PLoS Computational Biology, 2022, 18, e1010095.	3.2	9
22	GeneraciÃ³n de trayectorias y toma de decisiones para uavs. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2008, 5, 83-92.	1.0	8
23	Extracting general task structures to accelerate the learning of new tasks. , 2016, , .		8
24	Localization of Non-Linearly Modeled Autonomous Mobile Robots Using Out-of-Sequence Measurements. Sensors, 2012, 12, 2487-2518.	3.8	7
25	Active strategies for multisensory conflict suppression in the virtual hand illusion. Scientific Reports, 2021, 11, 22844.	3.3	7
26	A Bayesian hierarchy for robust gaze estimation in humanâ€“robot interaction. International Journal of Approximate Reasoning, 2017, 87, 1-22.	3.3	6
27	Editorial: Body Representations, Peripersonal Space, and the Self: Humans, Animals, Robots. Frontiers in Neurorobotics, 2020, 14, 35.	2.8	4
28	Multisensory object discovery via self-detection and artificial attention. , 2016, , .		3
29	A prototype of a P300 based brain-robot interface to enable multi-modal interaction for patients with limited mobility. , 2019, , .		3
30	Environmental surface boundary tracking and description using a UAV with vision. , 2009, , .		1
31	Tactile Hallucinations on Artificial Skin Induced by Homeostasis in a Deep Boltzmann Machine. , 2019, , .		1
32	Gaze Tracing in a Bounded Log-Spherical Space for Artificial Attention Systems. Advances in Intelligent Systems and Computing, 2016, , 407-419.	0.6	0
33	Enabling the sense of touch in EMG-controlled hand prostheses using vibro-tactile stimulation. , 2019, , .		0