Sylvain Argentieri

List of Publications by Year
in descending order

32	420	1684188	1372567
papers	citations	5	10
		h-index	g-index

32	32	32	326
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A survey on sound source localization in robotics: From binaural to array processing methods. Computer Speech and Language, 2015, 34, 87-112.	4.3	114
2	Broadband variations of the MUSIC high-resolution method for Sound Source Localization in Robotics. , 2007, , .		52
3	A learning-based approach to robust binaural sound localization. , 2013, , .		24
4	A novel aircraft engine fault diagnostic and prognostic system based on SVM. , 2012, , .		22
5	Active binaural localization of intermittent moving sources in the presence of false measurements. , 2012, , .		21
6	A binaural sound source localization method using auditive cues and vision. , 2012, , .		21
7	Learning agent's spatial configuration from sensorimotor invariants. Robotics and Autonomous Systems, 2015, 71, 49-59.	5.1	17
8	Modal Analysis Based Beamforming for Nearfield or Farfield Speaker Localization in Robotics. , 2006, , .		16
9	Acoustic models and Kalman filtering strategies for active binaural sound localization. , 2011, , .		14
10	Towards a systematic study of binaural cues. , 2012, , .		10
11	Building a Sensorimotor Representation of a Naive Agent's Tactile Space. IEEE Transactions on Cognitive and Developmental Systems, 2017, 9, 141-152.	3.8	10
12	Binaural Localization of Multiple Sound Sources by Non-Negative Tensor Factorization. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1072-1082.	5.8	10
13	From monaural to binaural speaker recognition for humanoid robots. , 2010, , .		9
14	Speaker localization and speech extraction with the EAR sensor. , 2009, , .		8
15	A non-linear approach to space dimension perception by a naive agent. , 2012, , .		8
16	Active speaker localization with circular likelihoods and bootstrap filtering. , 2013, , .		8
17	HRTF-based source azimuth estimation and activity detection from a binaural sensor. , 2013, , .		8
18	Space dimension perception from the multimodal sensorimotor flow of a naive robotic agent. , 2010, , .		7

#	Article	IF	Citations
19	Aircraft fault diagnosis and decision system based on improved artificial neural networks. , 2012, , .		6
20	A novel aircraft fault diagnosis and prognosis system based on Gaussian Mixture Models. , 2012, , .		5
21	The EAR Project. Journal of the Robotics Society of Japan, 2010, 28, 10-13.	0.1	5
22	Audition as a Trigger of Head Movements. Modern Acoustics and Signal Processing, 2020, , 697-731.	0.8	5
23	A spherical cross-channel algorithm for binaural sound localization. , 2013, , .		4
24	The Head Turning Modulation System: An Active Multimodal Paradigm for Intrinsically Motivated Exploration of Unknown Environments. Frontiers in Neurorobotics, 2018, 12, 60.	2.8	4
25	Where Do I Move My Sensors? Emergence of a Topological Representation of Sensors Poses From the Sensorimotor Flow. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 312-325.	3.8	4
26	Multimodal sound localization for humanoid robots based on visio-auditive learning. , 2011, , .		2
27	Modulating the auditory turn-to reflex on the basis of multimodal feedback loops: The Dynamic Weighting model. , 2015, , .		2
28	Binaural Speaker Recognition for humanoid robots. , 2010, , .		1
29	A novel fault diagnosis system for aircraft based on adaboost and five subsystems with different pattern recognition methods. , 2012, , .		1
30	A Formal Account of Structuring Motor Actions With Sensory Prediction for a Naive Agent. Frontiers in Robotics and AI, 2020, 7, 561660.	3.2	1
31	A Decision System for Aircraft Faults Diagnosis Based on Classification Trees and PCA. Advances in Intelligent Systems and Computing, 2013, , 411-422.	0.6	1
32	Binaural speaker recognition for humanoid robots. , 2010, , .		0