FranÃ§ois Grondin

List of Publications by Year
in descending order

19 papers	**260** citations	1478505 **6** h-index	1720034 **7** g-index
19 all docs	**19** docs citations	**19** times ranked	**271** citing authors

#	Article	IF	Citations
1	Lightweight and optimized sound source localization and tracking methods for open and closed microphone array configurations. Robotics and Autonomous Systems, 2019, 113, 63-80.	5.1	60
2	The ManyEars open framework. Autonomous Robots, 2013, 34, 217-232.	4.8	53
3	Contact-Free Respiration Rate Monitoring Using a Panâ€"Tilt Thermal Camera for Stationary Bike Telerehabilitation Sessions. IEEE Systems Journal, 2016, 10, 1046-1055.	4.6	31
4	Time difference of arrival estimation based on binary frequency mask for sound source localization on mobile robots. , 2015, , .		16
5	SVD-PHAT: A Fast Sound Source Localization Method. , 2019, , .		13
6	OpenTera: A microservice architecture solution for rapid prototyping of robotic solutions to COVID-19 challenges in care facilities. Health and Technology, 2022, 12, 583-596.	3.6	12
7	Adding navigation, artificial audition and vital sign monitoring capabilities to a telepresence mobile robot for remote home care applications. , 2017, 2017, 809-811.		10
8	WISS, a speaker identification system for mobile robots. , 2012, , .		9
9	Localization of RW-UAVs using particle filtering over distributed microphone arrays. , 2017, , .		9
10	3D Localization of a Sound Source Using Mobile Microphone Arrays Referenced by SLAM. , 2020, , .		8
11	ODAS: Open embeddeD Audition System. Frontiers in Robotics and AI, 2022, 9, .	3.2	8
12	Robust speech/non-speech discrimination based on pitch estimation for mobile robots. , 2016, , .		6
13	Fast and Robust 3-D Sound Source Localization with DSVD-PHAT. , 2019, , .		6
14	Toward enhancing the autonomy of a telepresence mobile robot for remote home care assistance. Paladyn, 2021, 12, 214-237.	2.7	6
15	Audio Scene Monitoring Using Redundant Ad Hoc Microphone Array Networks. IEEE Internet of Things Journal, 2022, 9, 4259-4268.	8.7	5
16	Multimodal biometric identification system for mobile robots combining human metrology to face recognition and speaker identification. , 2014, , .		3
17	Enhancing a beam+ telepresence robot for remote home care applications. , 2017, , .		2
18	Audio-Visual Calibration with Polynomial Regression for 2-D Projection Using SVD-PHAT. , 2020, , .		2

#	Article	IF	Citations
19	Integration framework for speech processing with live visualization interfaces. , 2016, , .		1