

# François Grondin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10926318/publications.pdf>

Version: 2024-02-01

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  | Audio Scene Monitoring Using Redundant Ad Hoc Microphone Array Networks. IEEE Internet of Things Journal, 2022, 9, 4259-4268.  | 8.7 | 5         |
| 2  | 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        |
| 3  | ODAS: Open embeddeD Audition System. Frontiers in Robotics and AI, 2022, 9, .  | 3.2 | 8         |
| 4  | Toward enhancing the autonomy of a telepresence mobile robot for remote home care assistance. Paladyn, 2021, 12, 214-237.  | 2.7 | 6         |
| 5  | Audio-Visual Calibration with Polynomial Regression for 2-D Projection Using SVD-PHAT. , 2020, , .   |     | 2         |
| 6  | 3D Localization of a Sound Source Using Mobile Microphone Arrays Referenced by SLAM. , 2020, , .   |     | 8         |
| 7  | 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        |
| 8  | SVD-PHAT: A Fast Sound Source Localization Method. , 2019, , .   |     | 13        |
| 9  | Fast and Robust 3-D Sound Source Localization with DSVD-PHAT. , 2019, , .  |     | 6         |
| 10 | Adding navigation, artificial audition and vital sign monitoring capabilities to a telepresence mobile robot for remote home care applications. , 2017, 2017, 809-811.           |     | 10        |
| 11 | Enhancing a beam+ telepresence robot for remote home care applications. , 2017, , .  |     | 2         |
| 12 | Localization of RW-UAVs using particle filtering over distributed microphone arrays. , 2017, , .   |     | 9         |
| 13 | Robust speech/non-speech discrimination based on pitch estimation for mobile robots. , 2016, , .   |     | 6         |
| 14 | Integration framework for speech processing with live visualization interfaces. , 2016, , .  |     | 1         |
| 15 | 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        |
| 16 | Time difference of arrival estimation based on binary frequency mask for sound source localization on mobile robots. , 2015, , .   |     | 16        |
| 17 | Multimodal biometric identification system for mobile robots combining human metrology to face recognition and speaker identification. , 2014, , .                               |     | 3         |
| 18 | The ManyEars open framework. Autonomous Robots, 2013, 34, 217-232.   | 4.8 | 53        |

| #  | ARTICLE  | IF | CITATIONS |
|----|--|----|-----------|
| 19 | WISS, a speaker identification system for mobile robots. , 2012, , . |    | 9         |