

Francois Michaud

List of Publications by Year in descending order

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55
papers

2,578
citations

566801

15
h-index

344852

36
g-index

62
all docs

62
docs citations

62
times ranked

2166
citing authors

#	ARTICLE	IF	CITATIONS
1	The acceptability of two remote monitoring modalities for patients waiting for services in a physiotherapy outpatient clinic. <i>Musculoskeletal Care</i> , 2022, 20, 616-624.	0.6	2
2	OpenTera: A microservice architecture solution for rapid prototyping of robotic solutions to COVID-19 challenges in care facilities. <i>Health and Technology</i> , 2022, 12, 583-596.	2.1	12
3	Artificial fast-adapting mechanoreceptor based on carbon nanotube percolating network. <i>Scientific Reports</i> , 2022, 12, 2818.	1.6	1
4	ODAS: Open embedded Audition System. <i>Frontiers in Robotics and AI</i> , 2022, 9, .	2.0	8
5	Rehabilitation of Upper Extremity by Telerehabilitation Combined With Exergames in Survivors of Chronic Stroke: Preliminary Findings From a Feasibility Clinical Trial. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2022, 9, e33745.	1.1	6
6	User perspectives on emotionally aligned social robots for older adults and persons living with dementia. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2022, 9, 205566832211083.	0.6	5
7	Adapting a Person's Home in 3D Using a Mobile App (Maplt): Participatory Design Framework Investigating the App's Acceptability. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2021, 8, e24669.	1.1	6
8	Effects of Telerehabilitation on Patient Adherence to a Rehabilitation Plan: Protocol for a Mixed Methods Trial. <i>JMIR Research Protocols</i> , 2021, 10, e32134.	0.5	5
9	A Personalized Home-Based Rehabilitation Program Using Exergames Combined With a Telerehabilitation App in a Chronic Stroke Survivor: Mixed Methods Case Study. <i>JMIR Serious Games</i> , 2021, 9, e26153.	1.7	18
10	Toward enhancing the autonomy of a telepresence mobile robot for remote home care assistance. <i>Paladyn</i> , 2021, 12, 214-237.	1.9	6
11	Addressing the Ethics of Telepresence Applications Through End-User Engagement. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 457-460.	1.2	11
12	Optimization of Upper Extremity Rehabilitation by Combining Telerehabilitation With an Exergame in People With Chronic Stroke: Protocol for a Mixed Methods Study. <i>JMIR Research Protocols</i> , 2020, 9, e14629.	0.5	20
13	3D Localization of a Sound Source Using Mobile Microphone Arrays Referenced by SLAM. , 2020, , .		8
14	Lightweight and optimized sound source localization and tracking methods for open and closed microphone array configurations. <i>Robotics and Autonomous Systems</i> , 2019, 113, 63-80.	3.0	60
15	Remote rehabilitation training using the combination of an exergame and telerehabilitation application: A case report of an elderly chronic stroke survivor. , 2019, , .		1
16	RTAB-Map as an open-source lidar and visual simultaneous localization and mapping library for large-scale and long-term online operation. <i>Journal of Field Robotics</i> , 2019, 36, 416-446.	3.2	484
17	Development of a Web-Based Monitoring System for Power Tilt-in-Space Wheelchairs: Formative Evaluation. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2019, 6, e13560.	1.1	9
18	Instantaneous centre of rotation based motion control for omnidirectional mobile robots with sideways off-centred wheels. <i>Robotics and Autonomous Systems</i> , 2018, 106, 58-68.	3.0	11

#	ARTICLE	IF	CITATIONS
19	Long-term online multi-session graph-based SPLAM with memory management. <i>Autonomous Robots</i> , 2018, 42, 1133-1150.	3.2	58
20	Estimation of the instantaneous centre of rotation with nonholonomic omnidirectional mobile robots. <i>Robotics and Autonomous Systems</i> , 2018, 106, 47-57.	3.0	2
21	Adding navigation, artificial audition and vital sign monitoring capabilities to a telepresence mobile robot for remote home care applications. , 2017, 2017, 809-811.		10
22	Enhancing a beam+ telepresence robot for remote home care applications. , 2017, , .		2
23	Cheap or Robust? The practical realization of self-driving wheelchair technology. , 2017, 2017, 1079-1086.		14
24	Coordination mechanism for integrated design of Human-Robot Interaction scenarios. <i>Paladyn</i> , 2017, 8, 100-111.	1.9	7
25	Integration framework for speech processing with live visualization interfaces. , 2016, , .		1
26	Design and integration of a spatio-temporal memory with emotional influences to categorize and recall the experiences of an autonomous mobile robot. <i>Autonomous Robots</i> , 2016, 40, 831-848.	3.2	28
27	Contact-Free Respiration Rate Monitoring Using a Panâ€Tilt Thermal Camera for Stationary Bike Telerehabilitation Sessions. <i>IEEE Systems Journal</i> , 2016, 10, 1046-1055.	2.9	31
28	Online global loop closure detection for large-scale multi-session graph-based SLAM. , 2014, , .		240
29	Multimodal biometric identification system for mobile robots combining human metrology to face recognition and speaker identification. , 2014, , .		3
30	Designing & developing QueBall, a robotic device for autism therapy. , 2014, , .		22
31	Hello robot can you come here?. , 2014, , .		1
32	Force-guidance of a compliant omnidirectional non-holonomic platform. <i>Robotics and Autonomous Systems</i> , 2014, 62, 579-590.	3.0	15
33	Taking your robot for a walk: Force-guiding a mobile robot using compliant arms. , 2013, , .		9
34	Appearance-Based Loop Closure Detection for Online Large-Scale and Long-Term Operation. <i>IEEE Transactions on Robotics</i> , 2013, 29, 734-745.	7.3	290
35	The ManyEars open framework. <i>Autonomous Robots</i> , 2013, 34, 217-232.	3.2	53
36	Memory management for real-time appearance-based loop closure detection. , 2011, , .		48

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37	Toward Autonomous, Compliant, Omnidirectional Humanoid Robots for Natural Interaction in Real-Life Settings. Paladyn, 2010, 1, 57-65.	1.9	12
38	Iterative Design of Advanced Mobile Robots. Journal of Computing and Information Technology, 2009, 17, 1.	0.2	4
39	Going into the wild in childâ€“robot interaction studies: issues in social robotic development. Intelligent Service Robotics, 2008, 1, 93-108.	1.6	58
40	Exploring the use of a mobile robot as an imitation agent with children with low-functioning autism. Autonomous Robots, 2008, 24, 147-157.	3.2	248
41	Behavior-Based Systems. , 2008, , 891-909.		35
42	Ultrasonic relative positioning for multi-robot systems. , 2008, , .		47
43	Embedded auditory system for small mobile robots. , 2008, , .		7
44	Perspectives on Mobile Robots as Tools for Child Development and Pediatric Rehabilitation. Assistive Technology, 2007, 19, 21-36.	1.2	29
45	Robust localization and tracking of simultaneous moving sound sources using beamforming and particle filtering. Robotics and Autonomous Systems, 2007, 55, 216-228.	3.0	223
46	Design and Control of a Four Steered Wheeled Mobile Robot. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	35
47	Multi-Modal Locomotion Robotic Platform Using Leg-Track-Wheel Articulations. Autonomous Robots, 2005, 18, 137-156.	3.2	122
48	Roball, the Rolling Robot. Autonomous Robots, 2002, 12, 211-222.	3.2	135
49	Architectural Methodology Based on Intentional Configuration of Behaviors. Computational Intelligence, 2001, 17, 132-156.	2.1	8
50	Artificial Emotion and Social Robotics. , 2000, , 121-130.		24
51	Managing robot autonomy and interactivity using motives and visual communication. , 1999, , .		14
52	Representation of behavioral history for learning in nonstationary conditions. Robotics and Autonomous Systems, 1999, 29, 187-200.	3.0	13
53	Learning from History for Behavior-Based Mobile Robots in Non-Stationary Conditions. Machine Learning, 1998, 31, 141-167.	3.4	32
54	Learning from History for Behavior-Based Mobile Robots in Non-Stationary Conditions. Autonomous Robots, 1998, 5, 335-354.	3.2	15

#	ARTICLE	IF	CITATIONS
55	Multi-Session Visual SLAM for Illumination-Invariant Re-Localization in Indoor Environments. Frontiers in Robotics and AI, 0, 9, .	2.0	8