

# Kazuhiro Nakadai

## List of Publications by Year in descending order

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Version: 2024-02-01

195  
papers

2,818  
citations

566801

15  
h-index

344852

36  
g-index

200  
all docs

200  
docs citations

200  
times ranked

1446  
citing authors

#	ARTICLE	IF	CITATIONS
1	Audio-visual speech recognition using deep learning. Applied Intelligence, 2015, 42, 722-737.	3.3	415
2	Design and Implementation of Robot Audition System 'HARK' " Open Source Software for Listening to Three Simultaneous Speakers. Advanced Robotics, 2010, 24, 739-761.	1.1	188
3	Design of UAV-Embedded Microphone Array System for Sound Source Localization in Outdoor Environments. Sensors, 2017, 17, 2535.	2.1	83
4	Sound Source Localization Using Deep Learning Models. Journal of Robotics and Mechatronics, 2017, 29, 37-48.	0.5	75
5	Intelligent sound source localization for dynamic environments. , 2009, , .		72
6	Robust Recognition of Simultaneous Speech by a Mobile Robot. , 2007, 23, 742-752.		67
7	Blind Source Separation With Parameter-Free Adaptive Step-Size Method for Robot Audition. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1476-1485.	3.8	64
8	Outdoor auditory scene analysis using a moving microphone array embedded in a quadcopter. , 2012, , .		60
9	An open source software system for robot audition HARK and its evaluation. , 2008, , .		59
10	Noise correlation matrix estimation for improving sound source localization by multirotor UAV. , 2013, , .		57
11	Improvement of recognition of simultaneous speech signals using AV integration and scattering theory for humanoid robots. Speech Communication, 2004, 44, 97-112.	1.6	54
12	Enhanced Robot Speech Recognition Based on Microphone Array Source Separation and Missing Feature Theory. , 0, , .		49
13	Real-time super-resolution Sound Source Localization for robots. , 2012, , .		49
14	Robot audition: Its rise and perspectives. , 2015, , .		49
15	Applying scattering theory to robot audition system: robust sound source localization and extraction. , 0, , .		48
16	Improvement in outdoor sound source detection using a quadrotor-embedded microphone array. , 2014, , .		47
17	Real-Time Robot Audition System That Recognizes Simultaneous Speech in The Real World. , 2006, , .		43
18	Development, Deployment and Applications of Robot Audition Open Source Software HARK. Journal of Robotics and Mechatronics, 2017, 29, 16-25.	0.5	38

#	ARTICLE	IF	CITATIONS
19	Robust Tracking of Multiple Sound Sources by Spatial Integration of Room And Robot Microphone Arrays. , 0, , .		35
20	Ego noise suppression of a robot using template subtraction. , 2009, , .		32
21	Design and implementation of selectable sound separation on the Texai telepresence system using HARK. , 2011, , .		31
22	Intelligent Sound Source Localization and its application to multimodal human tracking. , 2011, , .		30
23	A real-time super-resolution robot audition system that improves the robustness of simultaneous speech recognition. <i>Advanced Robotics</i> , 2013, 27, 933-945.	1.1	30
24	Development of microphone-array-embedded UAV for search and rescue task. , 2017, , .		28
25	Weakly-Supervised Deep Recurrent Neural Networks for Basic Dance Step Generation. , 2019, , .		28
26	SLAM-based online calibration of asynchronous microphone array for robot audition. , 2011, , .		27
27	Sound source tracking with directivity pattern estimation using a 64 ch microphone array. , 2005, , .		25
28	HARKBird: Exploring Acoustic Interactions in Bird Communities Using a Microphone Array. <i>Journal of Robotics and Mechatronics</i> , 2017, 29, 213-223.	0.5	25
29	Robot audition for dynamic environments. , 2012, , .		23
30	Real-Time Tracking of Multiple Sound Sources by Integration of In-Room and Robot-Embedded Microphone Arrays. , 2006, , .		22
31	Automatic speech recognition improved by two-layered audio-visual integration for robot audition. , 2009, , .		22
32	A robot uses its own microphone to synchronize its steps to musical beats while scattting and singing. , 2008, , .		21
33	Sound Source Localization Using Joint Bayesian Estimation With a Hierarchical Noise Model. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2013, 21, 1953-1965.	3.8	21
34	Improved sound source localization in horizontal plane for binaural robot audition. <i>Applied Intelligence</i> , 2015, 42, 63-74.	3.3	21
35	Speech Enhancement Based on Bayesian Low-Rank and Sparse Decomposition of Multichannel Magnitude Spectrograms. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2018, 26, 215-230.	4.0	21
36	A multi-expert model for dialogue and behavior control of conversational robots and agents. <i>Knowledge-Based Systems</i> , 2011, 24, 248-256.	4.0	20

#	ARTICLE	IF	CITATIONS
37	Partially Shared Deep Neural Network in sound source separation and identification using a UAV-embedded microphone array. , 2016, , .		20
38	Sound source separation of moving speakers for robot audition. , 2009, , .		19
39	Ego-motion noise suppression for robots based on Semi-Blind Infinite Non-negative Matrix Factorization. , 2014, , .		19
40	Sound and Visual Tracking for Humanoid Robot. Applied Intelligence, 2004, 20, 253-266.	3.3	18
41	An easily-configurable robot audition system using Histogram-based Recursive Level Estimation. , 2010, , .		18
42	Assessment of general applicability of ego noise estimation. , 2011, , .		18
43	Semi-automatic bird song analysis by spatial-cue-based integration of sound source detection, localization, separation, and identification. , 2016, , .		17
44	Acoustic Monitoring of the Great Reed Warbler Using Multiple Microphone Arrays and Robot Audition. Journal of Robotics and Mechatronics, 2017, 29, 224-235.	0.5	17
45	A spatiotemporal analysis of acoustic interactions between great reed warblers ( <i>Acrocephalus</i> ) Tj ETQq1 1 0.784314 rgBT /Overload Evolution, 2018, 8, 812-825.	0.8	16
46	Recognition of Non-Manual Content in Continuous Japanese Sign Language. Sensors, 2020, 20, 5621.	2.1	16
47	Design and implementation of a robot audition system for automatic speech recognition of simultaneous speech. , 2007, , .		14
48	Recent R&D Technologies and Future Prospective of Flying Robot in Tough Robotics Challenge. Springer Tracts in Advanced Robotics, 2019, , 77-142.	0.3	14
49	2D sound source position estimation using microphone arrays and its application to a VR-based bird song analysis system. Advanced Robotics, 2019, 33, 403-414.	1.1	14
50	Auditory fovea based speech separation and its application to dialog system. , 0, , .		13
51	Human-robot non-verbal interaction empowered by real-time auditory and visual multiple-talker tracking. Advanced Robotics, 2003, 17, 115-130.	1.1	13
52	Posture estimation of hose-shaped robot using microphone array localization. , 2013, , .		13
53	Auditory-aware navigation for mobile robots based on reflection-robust sound source localization and visual SLAM. , 2014, , .		13
54	Speech Recognition for a Humanoid with Motor Noise Utilizing Missing Feature Theory. , 2006, , .		12

#	ARTICLE	IF	CITATIONS
55	A robot referee for rock-paper-scissors sound games. , 2008, , .		12
56	Real-time Auditory and Visual Multiple-speaker Tracking For Human-robot Interaction. Journal of Robotics and Mechatronics, 2002, 14, 479-489.	0.5	12
57	Field observations of ecoacoustic dynamics of a Japanese bush warbler using an open-source software for robot audition HARK. Journal of Ecoacoustics, 2018, 2, 1-1.	1.5	12
58	Outdoor Sound Source Detection Using a Quadcopter with Microphone Array. Journal of Robotics and Mechatronics, 2017, 29, 177-187.	0.5	11
59	Localizing Bird Songs Using an Open Source Robot Audition System with a Microphone Array. , 0, , .		11
60	Efficient Blind Dereverberation and Echo Cancellation Based on Independent Component Analysis for Actual Acoustic Signals. Neural Computation, 2012, 24, 234-272.	1.3	10
61	SLAM-based Online Calibration for Asynchronous Microphone Array. Advanced Robotics, 2012, 26, 1941-1965.	1.1	10
62	Human-voice enhancement based on online RPCA for a hose-shaped rescue robot with a microphone array. , 2015, , .		10
63	Robot Audition and Computational Auditory Scene Analysis. Advanced Intelligent Systems, 2020, 2, 2000050.	3.3	10
64	Volume adaptation and visualization by modeling the volume level in noisy environments for telepresence system. , 2014, , .		10
65	Bird Song Scene Analysis Using a Spatial-Cue-Based Probabilistic Model. Journal of Robotics and Mechatronics, 2017, 29, 236-246.	0.5	10
66	Coarse speech recognition by audio-visual integration based on missing feature theory. , 2007, , .		9
67	Correlation matrix estimation by an optimally controlled recursive average method and its application to blind source separation. Acoustical Science and Technology, 2010, 31, 205-212.	0.3	9
68	Sound source separation for robot audition using deep learning. , 2015, , .		9
69	Sound event aware environmental sound segmentation with Mask U-Net. Advanced Robotics, 2020, 34, 1280-1290.	1.1	9
70	Fine-scale observations of spatio-spectro-temporal dynamics of bird vocalizations using robot audition techniques. Remote Sensing in Ecology and Conservation, 2021, 7, 18-35.	2.2	9
71	Learning Three-dimensional Skeleton Data from Sign Language Video. ACM Transactions on Intelligent Systems and Technology, 2020, 11, 1-24.	2.9	9
72	A hybrid framework for ego noise cancellation of a robot. , 2010, , .		8

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73	Whole Body Motion Noise Cancellation of a Robot for Improved Automatic Speech Recognition. <i>Advanced Robotics</i> , 2011, 25, 1405-1426.	1.1	8
74	Beat Tracking for Interactive Dancing Robots. <i>International Journal of Humanoid Robotics</i> , 2015, 12, 1550023.	0.6	8
75	Microphone-accelerometer based 3D posture estimation for a hose-shaped rescue robot. , 2015, , .		8
76	Assessment of MUSIC-Based Noise-Robust Sound Source Localization with Active Frequency Range Filtering. <i>Journal of Robotics and Mechatronics</i> , 2018, 30, 426-435.	0.5	8
77	CNN-based Multichannel End-to-End Speech Recognition for Everyday Home Environments. , 2019, , .		8
78	Design and Assessment of Sound Source Localization System with a UAV-Embedded Microphone Array. <i>Journal of Robotics and Mechatronics</i> , 2017, 29, 154-167.	0.5	8
79	High performance sound source separation adaptable to environmental changes for robot audition. , 2008, , .		7
80	Audio-visual scene understanding utilizing text information for a cooking support robot. , 2015, , .		7
81	Online simultaneous localization and mapping of multiple sound sources and asynchronous microphone arrays. , 2016, , .		7
82	Robust sound source mapping using three-layered selective audio rays for mobile robots. , 2016, , .		7
83	Designing Speech and Multimodal Interactions for Mobile, Wearable, and Pervasive Applications. , 2016, , .		7
84	Environmental sound segmentation utilizing Mask U-Net. , 2019, , .		7
85	Music-Ensemble Robot That Is Capable of Playing the Theremin While Listening to the Accompanied Music. <i>Lecture Notes in Computer Science</i> , 2010, , 102-112.	1.0	7
86	Outdoor Acoustic Event Identification with DNN Using a Quadrotor-Embedded Microphone Array. <i>Journal of Robotics and Mechatronics</i> , 2017, 29, 188-197.	0.5	7
87	Outdoor Acoustic Event Identification using Sound Source Separation and Deep Learning with a Quadrotor-Embedded Microphone Array. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 329-330.	0.0	7
88	Two-layered audio-visual speech recognition for robots in noisy environments. , 2010, , .		6
89	Audio-Visual Voice Activity Detection Based on an Utterance State Transition Model. <i>Advanced Robotics</i> , 2012, 26, 1183-1201.	1.1	6
90	Active audio-visual integration for Voice Activity Detection based on a Causal Bayesian Network. , 2012, , .		6

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91	Robot audition based Acoustic Event Identification using a Bayesian model considering spectral and temporal uncertainties. , 2015, , .		6
92	Posture estimation of hose-shaped robot by using active microphone array. Advanced Robotics, 2015, 29, 35-49.	1.1	6
93	An Integrated Framework for Field Recording, Localization, Classification and Annotation of Birdsongs Using Robot Audition Techniques “Harkbird 2.0.” Harkbird 2.0. , 2019, , .		6
94	Hardware improvement of cybernetic human HRP-4C for entertainment use. , 2011, , .		6
95	Real-Time Human Tracking by Audio-Visual Integration for Humanoids-Integration of Active Audition and Face Recognition-. Journal of the Robotics Society of Japan, 2003, 21, 517-525.	0.0	6
96	Variational Bayesian multi-channel robust NMF for human-voice enhancement with a deformable and partially-occluded microphone array. , 2016, , .		5
97	HARK-Bird-Box: A Portable Real-time Bird Song Scene Analysis System. , 2018, , .		5
98	Extracting the Relationship between the Spatial Distribution and Types of Bird Vocalizations Using Robot Audition System HARK. , 2018, , .		5
99	Sound Source Tracking by Drones with Microphone Arrays. , 2020, , .		5
100	Multi-channel Environmental sound segmentation. , 2020, , .		5
101	Multichannel environmental sound segmentation. Applied Intelligence, 2021, 51, 8245-8259.	3.3	5
102	Detecting earthquakes: a novel deep learning-based approach for effective disaster response. Applied Intelligence, 2021, 51, 8305-8315.	3.3	5
103	An Improvement in Audio-Visual Voice Activity Detection for Automatic Speech Recognition. Lecture Notes in Computer Science, 2010, , 51-61.	1.0	5
104	Synchronization of Microphones Based on Rank Minimization of Warped Spectrum for Asynchronous Distributed Recording. , 2020, , .		5
105	Improvement in listening capability for humanoid robot HRP-2. , 2010, , .		4
106	Ego noise cancellation of a robot using missing feature masks. Applied Intelligence, 2011, 34, 360-371.	3.3	4
107	Compensating changes in speaker position for improved voice-based human-robot communication. , 2015, , .		4
108	Interactive sound source localization using robot audition for tablet devices. , 2015, , .		4

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109	Utilizing visual cues in robot audition for sound source discrimination in speech-based human-robot communication. , 2015, , .		4
110	Robot-Audition-based Human-Machine Interface for a Car. , 2015, , .		4
111	A Spatial-Cue-Based Probabilistic Model for Bird Song Scene Analysis. , 2017, , .		4
112	Multi-hop wireless command and telemetry communication system for remote operation of robots with extending operation area beyond line-of-sight using 920â€™MHz/169â€™MHz. Advanced Robotics, 2020, 34,1 756-766.		4
113	Multi-channel Environmental Sound Segmentation utilizing Sound Source Localization and Separation U-Net. , 2021, , .		4
114	EMC: Earthquake Magnitudes Classification on Seismic Signals via Convolutional Recurrent Networks. , 2021, , .		4
115	Non-Invasive Monitoring of the Spatio-Temporal Dynamics of Vocalizations among Songbirds in a Semi Free-Flight Environment Using Robot Audition Techniques. Birds, 2021, 2, 158-172.	0.6	4
116	Observing Nocturnal Birds Using Localization Techniques. , 2021, , .		4
117	Hardware in the loop for optical flow sensing in a robotic bee. , 2011, , .		4
118	Node Pruning Based on Entropy of Weights and Node Activity for Small-Footprint Acoustic Model Based on Deep Neural Networks. , 0, , .		4
119	Improvement of DOA Estimation by using Quaternion Output in Sound Event Localization and Detection. , 0, , .		4
120	Calibration of a Microphone Array Based on a Probabilistic Model of Microphone Positions. Lecture Notes in Computer Science, 2020, , 614-625.	1.0	4
121	3D Convolution Recurrent Neural Networks for Multi-Label Earthquake Magnitude Classification. Applied Sciences (Switzerland), 2022, 12, 2195.	1.3	4
122	Voice quality manipulation for humanoid robots consistent with their head movements. , 2009, , .		3
123	Sound source separation and automatic speech recognition for moving sources. , 2010, , .		3
124	Speech-based human-robot interaction robust to acoustic reflections in real environment. , 2014, , .		3
125	A case study of an automatic volume control interface for a telepresence system. , 2015, , .		3
126	Acoustic model training based on node-wise weight boundary model for fast and small-footprint deep neural networks. Computer Speech and Language, 2017, 46, 461-480.	2.9	3



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127	Reactive Chameleon: A Method to Mimic Conversation Partner's Body Sway for a Robot. International Journal of Social Robotics, 2020, 12, 239-258.	3.1	3
128	Sound Source Localization Based on von-Mises-Bernoulli Deep Neural Network. , 2020, , .		3
129	Scene Understanding Based on Sound and Text Information for a Cooking Support Robot. Lecture Notes in Computer Science, 2015, , 665-674.	1.0	3
130	Special Issue on Robot Audition Technologies. Journal of Robotics and Mechatronics, 2017, 29, 15-15.	0.5	3
131	Tracking of Multiple Sound Sources by Integration of Robot-Embedded and In-Room Microphone Arrays. Journal of the Robotics Society of Japan, 2007, 25, 979-989.	0.0	3
132	Robot Audition using an Adaptive Filter Based on Independent Component Analysis. Journal of the Robotics Society of Japan, 2008, 26, 529-536.	0.0	3
133	Auditory Survey of Endangered Eurasian Bittern Using Microphone Arrays and Robot Audition. Frontiers in Robotics and AI, 2022, 9, 854572.	2.0	3
134	An improvement in automatic speech recognition using soft missing feature masks for robot audition. , 2010, , .		2
135	A sound-based online method for estimating the time-varying posture of a hose-shaped robot. , 2014, , .		2
136	Multimodal Scene Understanding Framework and Its Application to Cooking Recognition. Applied Artificial Intelligence, 2016, 30, 181-200.	2.0	2
137	To animate or anime-te?. , 2018, , .		2
138	Signal Restoration based on Bi-directional LSTM with Spectral Filtering for Robot Audition. , 2018, , .		2
139	Data-driven development of Virtual Sign Language Communication Agents. , 2018, , .		2
140	Multi-timescale Feature-extraction Architecture of Deep Neural Networks for Acoustic Model Training from Raw Speech Signal. , 2018, , .		2
141	Design and Implementation of Real-Time Visualization of Sound Source Positions by Drone Audition. , 2020, , .		2
142	Reduction of Computational Cost Using Two-Stage Deep Neural Network for Training for Denoising and Sound Source Identification. Lecture Notes in Computer Science, 2016, , 562-573.	1.0	2
143	Skin spatial calibration using force/torque measurements. , 2011, , .		2
144	Simultaneous Calibration of Positions, Orientations, and Time Offsets, Among Multiple Microphone Arrays. , 2021, , .		2

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145	Incremental Noise Estimation in Outdoor Auditory Scene Analysis using a Quadrocopter with a Microphone Array. Journal of the Robotics Society of Japan, 2013, 31, 676-683.	0.0	2
146	Speedup and performance improvement of ICA-based robot audition by parallel and resampling-based block-wise processing. , 2010, , .		1
147	Real-time super-resolution three-dimensional sound source localization for robots. , 2013, , .		1
148	Acoustic model training based on node-wise weight boundary model increasing speed of discrete neural networks. , 2015, , .		1
149	Interactive interface to optimize sound source localization based on microphone array with coarse-to-fine tuning for humanoids. , 2015, , .		1
150	Prevention of accomplishing synchronous multi-modal human-robot cooperation by using visual rhythms. Advanced Robotics, 2015, 29, 901-912.	1.1	1
151	Leveraging phantom signals for improved voice-based human-robot interaction. , 2016, , .		1
152	Swarm of micro-quadrocopters for consensus-based sound source localization. Advanced Robotics, 2017, 31, 624-633.	1.1	1
153	Design and assessment of multiple-sound source localization using microphone arrays. , 2019, , .		1
154	Audio-Visual 3D Reconstruction Framework for Dynamic Scenes. , 2020, , .		1
155	A Fourier series based Data compression model for Acoustic transfer function. , 2020, , .		1
156	Design and Assessment of a Scan-and-sum Beamformer for Surface Sound Source Separation. , 2020, , .		1
157	Assessment of Sound Source Tracking Using Multiple Drones Equipped with Multiple Microphone Arrays. International Journal of Environmental Research and Public Health, 2021, 18, 9039.	1.2	1
158	Sound Source Tracking Using Integrated Direction Likelihood for Drones with Microphone Arrays. , 2021, , .		1
159	Evaluation of microphone array for sound source localization using UAV. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2017, 2017, 1P1-R05.	0.0	1
160	Issues in Humanoid Audition and Sound Source Localization by Active Audition.. Transactions of the Japanese Society for Artificial Intelligence, 2003, 18, 104-113.	0.1	1
161	Missing Feature Theory based Interface Between Sound Source Separation and Automatic Speech Recognition and Applying to Multiple Robots. Journal of the Robotics Society of Japan, 2005, 23, 743-751.	0.0	1
162	The Design of Phoneme Grouping for Coarse Phoneme Recognition. Lecture Notes in Computer Science, 2007, , 905-914.	1.0	1

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163	Sound Source Separation Adaptable to Environmental Changes for Robot Audition. Journal of the Robotics Society of Japan, 2011, 27, 774-781.	0.0	1
164	Machine Audition Technology that Listens to Multiple Voiced Speech at Once. Journal of the Institute of Electrical Engineers of Japan, 2011, 131, 159-163.	0.0	1
165	Real-Time Human-Voice Enhancement for a Hose-Shaped Rescue Robot Based on Multi-Channel Low-Rank Sparse Decomposition. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2017, 2017, 1P2-P05.	0.0	1
166	Psychologically-Inspired Audio-Visual Speech Recognition Using Coarse Speech Recognition and Missing Feature Theory. Journal of Robotics and Mechatronics, 2017, 29, 105-113.	0.5	1
167	Hardware in the loop for optical flow sensing in a robotic bee. , 2011, , .		1
168	Fully-Online Always-Adaptation of Transfer Functions and Its Application to Sound Source Localization and Separation. , 2021, , .		1
169	Effects of increasing modalities in recognizing three simultaneous speeches. Speech Communication, 2004, 43, 347-359.	1.6	0
170	Soft missing-feature mask generation for Robot Audition. Paladyn, 2010, 1, 37-47.	1.9	0
171	Special issue on robot and human interactive communication. Advanced Robotics, 2019, 33, 307-308.	1.1	0
172	Close Sound Source Localization incorporating Semi-Supervised Variational Bayesian NMF. , 2019, , .		0
173	Special issue on robot and human interactive communication. Advanced Robotics, 2019, 33, 699-699.	1.1	0
174	Acoustic Simulation in Dynamic Environments for Robot Audition. , 2019, , .		0
175	Soundscape Analysis of Bird Songs in Forests Using Microphone Arrays. , 2020, , .		0
176	Proposal and Evaluation of Spatial Sound Source Separation using NMF with Multiple Microphone Arrays. Journal of the Robotics Society of Japan, 2021, 39, 669-672.	0.0	0
177	Assessment of a Beamforming Implementation Developed for Surface Sound Source Separation. , 2021, , .		0
178	Simultaneous Speech Recognition Based on Automatic Missing Feature Mask Generation by Integrating Sound Source Separation. Journal of the Robotics Society of Japan, 2007, 25, 92-102.	0.0	0
179	Noise Robust Automatic Speech Recognition Method for the Robot with Motor Noise using Missing Feature Theory. Journal of the Robotics Society of Japan, 2007, 25, 1189-1198.	0.0	0
180	Audio-Visual Speech Recognition System for Robots Based on Two-Layered Audio-Visual Integration Framework. Journal of the Robotics Society of Japan, 2010, 28, 970-977.	0.0	0

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181	A Platform for Recognizing Interactive Behavior on Human-Robot Interaction. Journal of the Robotics Society of Japan, 2011, 29, 883-886.	0.0	0
182	Intelligent Human Tracking Based on Multimodal Integration. Transactions of the Society of Instrument and Control Engineers, 2012, 48, 349-358.	0.1	0
183	Online Localization of Multiple Sound Sources and Multiple Robots with Asynchronous Microphone Arrays. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2016, 2016, 1A2-09b5.	0.0	0
184	3D Posture Estimation for a Hose-shaped Rescue Robot using a Microphone and Accelerometer Array. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2016, 2016, 1A2-10a6.	0.0	0
185	Partially Shared Deep Neural Network for Sound Source Identification. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2016, 2016, 1A1-09b4.	0.0	0
186	Simultaneous Optimization of Acoustic Event Detection and Identification with a UAV-embedded Microphone Array. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2016, 2016, 1A1-09b6.	0.0	0
187	Contributing to a Community of Open Source Software. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2017, 71, 647-653.	0.0	0
188	Ego-Noise Suppression for Robots Based on Semi-Blind Infinite Non-Negative Matrix Factorization. Journal of Robotics and Mechatronics, 2017, 29, 114-124.	0.5	0
189	Synchronization of multiple A/D converters based on spectral stretch. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2018, 2018, 2P1-K05.	0.0	0
190	The 26th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN 2017). Journal of the Robotics Society of Japan, 2018, 36, 145-145.	0.0	0
191	Monaural Speech Enhancement for a Hose-Shaped Rescue Robot with Air-Jet Noise. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2019, 2019, 2A2-D07.	0.0	0
192	The 27th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN 2018). Journal of the Robotics Society of Japan, 2019, 37, 69-69.	0.0	0
193	Acoustic monitoring of owl fledglings. Landscape Ecology and Management, 2020, 25, 87-89.	0.0	0
194	Detection of Ball Spin Direction using Hitting Sound in Tennis. , 2020, , .		0
195	Visual Scene Reconstruction based on Echolocation with a Generative Adversarial Network. Journal of the Robotics Society of Japan, 2022, 40, 351-354.	0.0	0