

Hiroshi G Okuno

List of Publications by Year in descending order

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374
papers

4,659
citations

218381

26
h-index

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47
g-index

388
all docs

388
docs citations

388
times ranked

3029
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	Blind Separation and Dereverberation of Speech Mixtures by Joint Optimization. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 69-84.	3.8	121
4	An Efficient Hybrid Music Recommender System Using an Incrementally Trainable Probabilistic Generative Model. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 435-447.	3.8	104
5	Histopathological Diagnosis of Primary Aldosteronism Using CYP11B2 Immunohistochemistry. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1567-1574.	1.8	101
6	Design of UAV-Embedded Microphone Array System for Sound Source Localization in Outdoor Environments. Sensors, 2017, 17, 2535.	2.1	83
7	People Detection Based on Spatial Mapping of Friendliness and Floor Boundary Points for a Mobile Navigation Robot. Journal of Robotics, 2011, 2011, 1-10.	0.6	69
8	Robust Recognition of Simultaneous Speech by a Mobile Robot. , 2007, 23, 742-752.		67
9	Confirmatory Testing in Primary Aldosteronism. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 1688-1694.	1.8	67
10	A Modeling of Singing Voice Robust to Accompaniment Sounds and Its Application to Singer Identification and Vocal-Timbre-Similarity-Based Music Information Retrieval. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 638-648.	3.8	61
11	An open source software system for robot audition HARK and its evaluation. , 2008, , .		59
12	Noise correlation matrix estimation for improving sound source localization by multirotor UAV. , 2013, , .		57
13	Spatio-Temporal Dynamics in Collective Frog Choruses Examined by Mathematical Modeling and Field Observations. Scientific Reports, 2014, 4, 3891.	1.6	55
14	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
15	Lipreading using convolutional neural network. , 0, , .		52
16	LyricSynchronizer: Automatic Synchronization System Between Musical Audio Signals and Lyrics. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 1252-1261.	7.3	51
17	Enhanced Robot Speech Recognition Based on Microphone Array Source Separation and Missing Feature Theory. , 0, , .		49
18	Robot audition: Its rise and perspectives. , 2015, , .		49

#	ARTICLE	IF	CITATIONS
19	Applying scattering theory to robot audition system: robust sound source localization and extraction. , 0, , .		48
20	Cheek to Chip: Dancing Robots and AI's Future. IEEE Intelligent Systems, 2008, 23, 74-84.	4.0	45
21	Two-way translation of compound sentences and arm motions by recurrent neural networks. , 2007, , .		44
22	Real-Time Robot Audition System That Recognizes Simultaneous Speech in The Real World. , 2006, , .		43
23	Instrument Identification in Polyphonic Music: Feature Weighting to Minimize Influence of Sound Overlaps. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.0	41
24	A subtype prediction score for primary aldosteronism. Journal of Human Hypertension, 2014, 28, 716-720.	1.0	41
25	Harmonic sound stream segregation using localization and its application to speech stream segregation. Speech Communication, 1999, 27, 209-222.	1.6	39
26	Development, Deployment and Applications of Robot Audition Open Source Software HARK. Journal of Robotics and Mechatronics, 2017, 29, 16-25.	0.5	38
27	Bayesian Nonparametrics for Microphone Array Processing. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 493-504.	4.0	36
28	Automatic Synchronization between Lyrics and Music CD Recordings Based on Viterbi Alignment of Segregated Vocal Signals. , 2006, , .		35
29	Emergence of hierarchical structure mirroring linguistic composition in a recurrent neural network. Neural Networks, 2011, 24, 311-320.	3.3	34
30	User Modeling in Spoken Dialogue Systems to Generate Flexible Guidance. User Modeling and User-Adapted Interaction, 2005, 15, 169-183.	2.9	32
31	Inter-modality mapping in robot with recurrent neural network. Pattern Recognition Letters, 2010, 31, 1560-1569.	2.6	32
32	Design and implementation of selectable sound separation on the Texai telepresence system using HARK. , 2011, , .		31
33	Complex and transitive synchronization in a frustrated system of calling frogs. Physical Review E, 2011, 83, 031913.	0.8	31
34	Toolâ€œBody Assimilation of Humanoid Robot Using a Neurodynamical System. IEEE Transactions on Autonomous Mental Development, 2012, 4, 139-149.	2.3	30
35	A real-time super-resolution robot audition system that improves the robustness of simultaneous speech recognition. Advanced Robotics, 2013, 27, 933-945.	1.1	30
36	Social Interaction of Humanoid Robot Based on Audio-Visual Tracking. Lecture Notes in Computer Science, 2002, , 725-735.	1.0	29

#	ARTICLE	IF	CITATIONS
37	Developmental Human-Robot Imitation Learning of Drawing with a Neuro Dynamical System. , 2013, , .		29
38	The MEI Robot: Towards Using Motherese to Develop Multimodal Emotional Intelligence. IEEE Transactions on Autonomous Mental Development, 2014, 6, 126-138.	2.3	29
39	Making a robot recognize three simultaneous sentences in real-time. , 2005, , .		28
40	A two-layer model for behavior and dialogue planning in conversational service robots. , 2005, , .		28
41	A biped robot that keeps steps in time with musical beats while listening to music with its own ears. , 2007, , .		28
42	Sound-based online localization for an in-pipe snake robot. , 2016, , .		28
43	Development of microphone-array-embedded UAV for search and rescue task. , 2017, , .		28
44	Multi-domain spoken dialogue system with extensibility and robustness against speech recognition errors. , 2006, , .		28
45	Experience-based imitation using RNNPB. Advanced Robotics, 2007, 21, 1351-1367.	1.1	27
46	Drum Sound Recognition for Polyphonic Audio Signals by Adaptation and Matching of Spectrogram Templates With Harmonic Structure Suppression. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 333-345.	3.8	27
47	Improvement of robot audition by interfacing sound source separation and automatic speech recognition with Missing Feature Theory. , 2004, , .		26
48	A Recipe for Empathy. International Journal of Social Robotics, 2015, 7, 35-49.	3.1	26
49	Real-time speaker localization and speech separation by audio-visual integration. , 0, , .		25
50	HARKBird: Exploring Acoustic Interactions in Bird Communities Using a Microphone Array. Journal of Robotics and Mechatronics, 2017, 29, 213-223.	0.5	25
51	Pitch-Dependent Identification of Musical Instrument Sounds. Applied Intelligence, 2005, 23, 267-275.	3.3	22
52	Real-Time Tracking of Multiple Sound Sources by Integration of In-Room and Robot-Embedded Microphone Arrays. , 2006, , .		22
53	Predicting Object Dynamics From Visual Images Through Active Sensing Experiences. Advanced Robotics, 2008, 22, 527-546.	1.1	22
54	Automatic speech recognition improved by two-layered audio-visual integration for robot audition. , 2009, , .		22

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55	Experience Based Imitation Using RNNPB. , 2006, , .		21
56	A robot uses its own microphone to synchronize its steps to musical beats while scattng and singing. , 2008, , .		21
57	Towards expressive musical robots: a cross-modal framework for emotional gesture, voice and music. Eurasip Journal on Audio, Speech, and Music Processing, 2012, 2012, .	1.3	21
58	Improved sound source localization in horizontal plane for binaural robot audition. Applied Intelligence, 2015, 42, 63-74.	3.3	21
59	Speech Enhancement Based on Bayesian Low-Rank and Sparse Decomposition of Multichannel Magnitude Spectrograms. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 215-230.	4.0	21
60	A multi-expert model for dialogue and behavior control of conversational robots and agents. Knowledge-Based Systems, 2011, 24, 248-256.	4.0	20
61	TAO. ACM SIGPLAN Notices, 1983, 18, 65-74.	0.2	19
62	Sound imaging of nocturnal animal calls in their natural habitat. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 915-921.	0.7	19
63	Sound and Visual Tracking for Humanoid Robot. Applied Intelligence, 2004, 20, 253-266.	3.3	18
64	Real-Time Audio-to-Score Alignment Using Particle Filter for Coplayer Music Robots. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	18
65	Chronic kidney disease score for predicting postoperative masked renal insufficiency in patients with primary aldosteronism. Clinical Endocrinology, 2014, 81, 665-670.	1.2	18
66	Converting emotional voice to motion for robot telepresence. , 2011, , .		17
67	Multiple Sound Source Position Estimation by Drone Audition Based on Data Association Between Sound Source Localization and Identification. IEEE Robotics and Automation Letters, 2020, 5, 782-789.	3.3	17
68	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
69	Chunk-based statistical translation. , 2003, , .		17
70	Musical instrument identification based on F0-dependent multivariate normal distribution. , 2003, , .		16
71	Extracting multi-modal dynamics of objects using RNNPB. , 2005, , .		16
72	F0 Estimation Method for Singing Voice in Polyphonic Audio Signal Based on Statistical Vocal Model and Viterbi Search. , 0, , .		16

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73	Human-Robot Cooperation using Quasi-symbols Generated by RNNPB Model. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	16
74	Robot musical accompaniment: integrating audio and visual cues for real-time synchronization with a human flutist. , 2010, , .		16
75	A spatiotemporal analysis of acoustic interactions between great reed warblers (<i>Acrocephalus Tj ETQq1 1 0.784314 rgBT /Overl Evolution, 2018, 8, 812-825.	0.8	16
76	Flexible guidance generation using user model in spoken dialogue systems. , 2003, , .		16
77	A list processing language TAO with multiple programming paradigms. New Generation Computing, 1986, 4, 401-444.	2.5	15
78	Integration and Adaptation of Harmonic and Inharmonic Models for Separating Polyphonic Musical Signals. , 2007, , .		14
79	Design and implementation of a robot audition system for automatic speech recognition of simultaneous speech. , 2007, , .		14
80	A beat-tracking robot for human-robot interaction and its evaluation. , 2008, , .		14
81	Computational Design of Statically Balanced Planar Spring Mechanisms. IEEE Robotics and Automation Letters, 2019, 4, 4438-4444.	3.3	14
82	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
83	Auditory fovea based speech separation and its application to dialog system. , 0, , .		13
84	Humanâ€“robot non-verbal interaction empowered by real-time auditory and visual multiple-talker tracking. Advanced Robotics, 2003, 17, 115-130.	1.1	13
85	Predicting Object Dynamics from Visual Images through Active Sensing Experiences. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	13
86	Exploiting known sound source signals to improve ICA-based robot audition in speech separation and recognition. , 2007, , .		13
87	Computational Auditory Scene Analysis and its Application to Robot Audition. , 2008, , .		13
88	ICA-based efficient blind dereverberation and echo cancellation method for barge-in-able robot audition. , 2009, , .		13
89	Human Tracking System Integrating Sound and Face Localization Using an Expectation-Maximization Algorithm in Real Environments. Advanced Robotics, 2009, 23, 629-653.	1.1	13
90	Thereminist robot: Development of a robot theremin player with feedforward and feedback arm control based on a Theremin's pitch model. , 2009, , .		13

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91	Posture estimation of hose-shaped robot using microphone array localization. , 2013, , .		13
92	Automatic transcription of guitar tablature from audio signals in accordance with player's proficiency. , 2014, , .		13
93	Development of a continuum robot enhanced with distributed sensors for search and rescue. ROBOMECH Journal, 2022, 9, .	0.9	13
94	Listening to two simultaneous speeches. Speech Communication, 1999, 27, 299-310.	1.6	12
95	A computational model of monkey cortical grating cells. Biological Cybernetics, 2005, 92, 61-70.	0.6	12
96	A robot referee for rock-paper-scissors sound games. , 2008, , .		12
97	Barge-in-able robot audition based on ICA and missing feature theory under semi-blind situation. , 2008, , .		12
98	Design and Implementation of 3D Auditory Scene Visualizer towards Auditory Awareness with Face Tracking. , 2008, , .		12
99	Improved binaural sound localization and tracking for unknown time-varying number of speakers. Advanced Robotics, 2013, 27, 1161-1173.	1.1	12
100	Environmental Sound Recognition for Robot Audition Using Matching-Pursuit. Lecture Notes in Computer Science, 2011, , 1-10.	1.0	12
101	Real-time Auditory and Visual Multiple-speaker Tracking For Human-robot Interaction. Journal of Robotics and Mechatronics, 2002, 14, 479-489.	0.5	12
102	Low Latency and High Quality Two-Stage Human-Voice-Enhancement System for a Hose-Shaped Rescue Robot. Journal of Robotics and Mechatronics, 2017, 29, 198-212.	0.5	12
103	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
104	On the properties of combination set operations. Information Processing Letters, 1998, 66, 195-199.	0.4	11
105	Designing a humanoid head for RoboCup challenge. , 2000, , .		11
106	Musical instrument identification based on F0-dependent multivariate normal distribution. , 0, , .		11
107	Comparing features for forming music streams in automatic music transcription. , 0, , .		11
108	Spatially mapping of friendliness for human-robot interaction. , 2005, , .		11

#	ARTICLE	IF	CITATIONS
109	Continuous vocal imitation with self-organized vowel spaces in Recurrent Neural Network. , 2009, , .		11
110	An active audition framework for auditory-driven HRI: Application to interactive robot dancing. , 2012, , .		11
111	Multichannel Sound Source Dereverberation and Separation for Arbitrary Number of Sources Based on Bayesian Nonparametrics. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 2218-2232.	4.0	11
112	Automatic Speech Recognition for Mixed Dialect Utterances by Mixing Dialect Language Models. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 373-382.	4.0	11
113	Distance-Based Dynamic Interaction of Humanoid Robot with Multiple People. Lecture Notes in Computer Science, 2005, , 111-120.	1.0	11
114	Localizing Bird Songs Using an Open Source Robot Audition System with a Microphone Array. , 0, , .		11
115	Effects of modelling within- and between-frame temporal variations in power spectra on non-verbal sound recognition. , 0, , .		11
116	TAO. , 1984, , .		10
117	Computational auditory scene analysis and its application to robot audition. , 0, , .		10
118	Implementation of active direction-pass filter on dynamically reconfigurable processor. , 2005, , .		10
119	Auditory and visual integration based localization and tracking of humans in daily-life environments. , 2007, , .		10
120	A game-theoretic model of referential coherence and its empirical verification using large Japanese and English corpora. ACM Transactions on Speech and Language Processing, 2008, 5, 1-27.	0.9	10
121	Efficient Blind Dereverberation and Echo Cancellation Based on Independent Component Analysis for Actual Acoustic Signals. Neural Computation, 2012, 24, 234-272.	1.3	10
122	Insertion of pause in drawing from babbling for robot's developmental imitation learning. , 2014, , .		10
123	Human-voice enhancement based on online RPCA for a hose-shaped rescue robot with a microphone array. , 2015, , .		10
124	Development of Tough Snake Robot Systems. Springer Tracts in Advanced Robotics, 2019, , 267-326.	0.3	10
125	Robot Audition and Computational Auditory Scene Analysis. Advanced Intelligent Systems, 2020, 2, 2000050.	3.3	10
126	Automatic Sound-Imitation Word Recognition from Environmental Sounds Focusing on Ambiguity Problem in Determining Phonemes. Lecture Notes in Computer Science, 2004, , 909-918.	1.0	9

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127	Dynamic Communication of Humanoid Robot with Multiple People Based on Interaction Distance. Transactions of the Japanese Society for Artificial Intelligence, 2005, 20, 209-219.	0.1	9
128	Missing-Feature based Speech Recognition for Two Simultaneous Speech Signals Separated by ICA with a pair of Humanoid Ears. , 2006, , .		9
129	Musical Instrument Recognizer "Instrogram" and Its Application to Music Retrieval Based on Instrumentation Similarity. , 2006, , .		9
130	Drumix: An Audio Player with Real-time Drum-part Rearrangement Functions for Active Music Listening. IPSJ Digital Courier, 2007, 3, 134-144.	0.3	9
131	A robot listens to music and counts its beats aloud by separating music from counting voice. , 2008, , .		9
132	Object dynamics prediction and motion generation based on reliable predictability. , 2008, , .		9
133	Incremental polyphonic audio to score alignment using beat tracking for singer robots. , 2009, , .		9
134	Human-robot ensemble between robot thereminist and human percussionist using coupled oscillator model. , 2010, , .		9
135	Polyphonic audio-to-score alignment based on Bayesian Latent Harmonic Allocation Hidden Markov Model. , 2011, , .		9
136	Simultaneous processing of sound source separation and musical instrument identification using Bayesian spectral modeling. , 2011, , .		9
137	HMM-based Attacks on Google's ReCAPTCHA with Continuous Visual and Audio Symbols. Journal of Information Processing, 2015, 23, 814-826.	0.3	9
138	Drone audition listening from the sky estimates multiple sound source positions by integrating sound source localization and data association. Advanced Robotics, 2020, 34, 744-755.	1.1	9
139	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
140	Instrogram: A New Musical Instrument Recognition Technique Without Using Onset Detection NOR F0 Estimation. , 0, , .		8
141	Instrogram: Probabilistic Representation of Instrument Existence for Polyphonic Music. IPSJ Digital Courier, 2007, 3, 1-13.	0.3	8
142	Computational Auditory Scene Analysis and Its Application to Robot Audition: Five Years Experience. , 2007, , .		8
143	Segmenting acoustic signal with articulatory movement using Recurrent Neural Network for phoneme acquisition. , 2008, , .		8
144	Modeling tool-body assimilation using second-order Recurrent Neural Network. , 2009, , .		8

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145	Changing timbre and phrase in existing musical performances as you like. , 2009, , .		8
146	Particle-filter based audio-visual beat-tracking for music robot ensemble with human guitarist. , 2011, , .		8
147	Handwriting prediction based character recognition using recurrent neural network. , 2011, , .		8
148	A Musical Robot that Synchronizes with a Coplayer Using Non-Verbal Cues. <i>Advanced Robotics</i> , 2012, 26, 363-381.	1.1	8
149	Nonparametric Bayesian Dereverberation of Power Spectrograms Based on Infinite-Order Autoregressive Processes. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2014, 22, 1918-1930.	4.0	8
150	Beat Tracking for Interactive Dancing Robots. <i>International Journal of Humanoid Robotics</i> , 2015, 12, 1550023.	0.6	8
151	Microphone-accelerometer based 3D posture estimation for a hose-shaped rescue robot. , 2015, , .		8
152	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
153	ImPACT-TRC Thin Serpentine Robot Platform for Urban Search and Rescue. <i>Springer Tracts in Advanced Robotics</i> , 2019, , 25-76.	0.3	8
154	Genetic Algorithm-Based Improvement of Robot Hearing Capabilities in Separating and Recognizing Simultaneous Speech Signals. <i>Lecture Notes in Computer Science</i> , 2006, , 207-217.	1.0	8
155	Belief Network based Disambiguation of Object Reference in Spoken Dialogue System. <i>Transactions of the Japanese Society for Artificial Intelligence</i> , 2004, 19, 47-56.	0.1	8
156	Efficient dialogue strategy to find users' intended items from information query results. , 2002, , .		8
157	Vocal imitation using physical vocal tract model. , 2007, , .		7
158	Discovery of other individuals by projecting a self-model through imitation. , 2007, , .		7
159	Target speech detection and separation for humanoid robots in sparse dialogue with noisy home environments. , 2008, , .		7
160	Prediction and imitation of other's motions by reusing own forward-inverse model in robots. , 2009, , .		7
161	I-Divergence-based dereverberation method with auxiliary function approach. , 2011, , .		7
162	Automated Violin Fingering Transcription Through Analysis of an Audio Recording. <i>Computer Music Journal</i> , 2012, 36, 57-72.	0.3	7

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163	Furosemide versus Goshâ€¦jinkiâ€¦Gan, a Blended Herbal Medicine, for Nocturnal Polyuria: A Randomized Crossover Trial. LUTS: Lower Urinary Tract Symptoms, 2012, 4, 77-81.	0.6	7
164	Live assessment of beat tracking for robot audition. , 2012, , .		7
165	Visualizing Phonotactic Behavior of Female Frogs in Darkness. Scientific Reports, 2017, 7, 10539.	1.6	7
166	Music-Ensemble Robot That Is Capable of Playing the Theremin While Listening to the Accompanied Music. Lecture Notes in Computer Science, 2010, , 102-112.	1.0	7
167	Dynamic help generation by estimating userâ€™s mental model in spoken dialogue systems. , 0, , .		7
168	Analyzing temporal transition of real user's behaviors in a spoken dialogue system. , 0, , .		7
169	Category-level identification of non-registered musical instrument sounds. , 0, , .		6
170	Managing out-of-grammar utterances by topic estimation with domain extensibility in multi-domain spoken dialogue systems. Speech Communication, 2008, 50, 863-870.	1.6	6
171	Two-layered audio-visual speech recognition for robots in noisy environments. , 2010, , .		6
172	Music dereverberation using harmonic structure source model and Wiener filter. , 2010, , .		6
173	Query-by-Example Music Information Retrieval by Score-Informed Source Separation and Remixing Technologies. Eurasip Journal on Advances in Signal Processing, 2011, 2010, .	1.0	6
174	Integration of behaviors and languages with a hierarchal structure self-organized in a neuro-dynamical model. , 2013, , .		6
175	Posture estimation of hose-shaped robot by using active microphone array. Advanced Robotics, 2015, 29, 35-49.	1.1	6
176	An Integrated Framework for Field Recording, Localization, Classification and Annotation of Birdsongs Using Robot Audition Techniques â€” Harkbird 2.0. , 2019, , .		6
177	Real-time Sound Source Localization and Separation based on Active Audio-Visual Integration. Lecture Notes in Computer Science, 2003, , 118-125.	1.0	6
178	Call Alternation Between Specific Pairs of Male Frogs Revealed by a Sound-Imaging Method in Their Natural Habitat. , 0, , .		6
179	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
180	Extracting Multimodal Dynamics of Objects Using RNNPB. Journal of Robotics and Mechatronics, 2005, 17, 681-688.	0.5	6

#	ARTICLE	IF	CITATIONS
181	Title is missing!. Journal of the Robotics Society of Japan, 2010, 28, 2-5.	0.0	6
182	Bayesian extension of MUSIC for sound source localization and tracking. , 0, , .		6
183	Privacy enhanced access control by SPKI. , 0, , .		5
184	Phoneme acquisition model based on vowel imitation using Recurrent Neural Network. , 2009, , .		5
185	Step-size parameter adaptation of multi-channel semi-blind ICA with piecewise linear model for barge-in-able robot audition. , 2009, , .		5
186	Emergence of evolutionary interaction with voice and motion between two robots using RNN. , 2009, , .		5
187	Self-organization of Dynamic Object Features Based on Bidirectional Training. Advanced Robotics, 2009, 23, 2035-2057.	1.1	5
188	Audio-based guitar tablature transcription using multipitch analysis and playability constraints. , 2013, , .		5
189	Hands-free human-robot communication robust to speaker's radial position. , 2013, , .		5
190	Development of a robot quizmaster with auditory functions for speech-based multiparty interaction. , 2014, , .		5
191	The interaction between a robot and multiple people based on spatially mapping of friendliness and motion parameters. Advanced Robotics, 2014, 28, 39-51.	1.1	5
192	Bayesian Audio-to-Score Alignment Based on Joint Inference of Timbre, Volume, Tempo, and Note Onset Timings. Computer Music Journal, 2015, 39, 74-87.	0.3	5
193	Toward a quizmaster robot for speech-based multiparty interaction. Advanced Robotics, 2015, 29, 1205-1219.	1.1	5
194	Variational Bayesian multi-channel robust NMF for human-voice enhancement with a deformable and partially-occluded microphone array. , 2016, , .		5
195	Extracting the Relationship between the Spatial Distribution and Types of Bird Vocalizations Using Robot Audition System HARK. , 2018, , .		5
196	Improved Sound Source Localization and Front-Back Disambiguation for Humanoid Robots with Two Ears. Lecture Notes in Computer Science, 2013, , 282-291.	1.0	5
197	Developing Robot Emotions through Interaction with Caregivers. Advances in Computational Intelligence and Robotics Book Series, 2015, , 316-337.	0.4	5
198	Contextual constraints based on dialogue models in database search task for spoken dialogue systems. , 0, , .		5

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199	SaliencyGraph: Visualizing Saliency Dynamics of Written Discourse by Using Reference Probability and PLSA. Lecture Notes in Computer Science, 2008, , 890-902.	1.0	5
200	Soft missing-feature mask generation for simultaneous speech recognition system in robots. , 0, , .		5
201	An Improvement in Audio-Visual Voice Activity Detection for Automatic Speech Recognition. Lecture Notes in Computer Science, 2010, , 51-61.	1.0	5
202	Design and architecture of SIG the humanoid: an experimental platform for integrated perception in RoboCup humanoid challenge. , 0, , .		4
203	Using Multiple Edit Distances to Automatically Grade Outputs From Machine Translation Systems. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 393-402.	3.8	4
204	Missing-feature-theory-based robust simultaneous speech recognition system with non-clean speech acoustic model. , 2009, , .		4
205	Bowed String Sequence Estimation of a Violin Based on Adaptive Audio Signal Classification and Context-Dependent Error Correction. , 2009, , .		4
206	A novel framework for recognizing phonemes of singing voice in polyphonic music. , 2009, , .		4
207	Improvement in listening capability for humanoid robot HRP-2. , 2010, , .		4
208	A musical mood trajectory estimation method using lyrics and acoustic features. , 2011, , .		4
209	Unified auditory functions based on Bayesian topic model. , 2012, , .		4
210	Improvement of audio-visual score following in robot ensemble with human guitarist. , 2012, , .		4
211	Transcribing vocal expression from polyphonic music. , 2014, , .		4
212	Multi-hop wireless command and telemetry communication system for remote operation of robots with extending operation area beyond line-of-sight using 920MHz/169MHz. Advanced Robotics, 2020, 34, 1756-766.	4.1	4
213	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
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