

# Hiroshi G Okuno

## List of Publications by Year in descending order

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374  
papers

4,659  
citations

218381

26  
h-index

214527

47  
g-index

388  
all docs

388  
docs citations

388  
times ranked

3029  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a continuum robot enhanced with distributed sensors for search and rescue. ROBOMECH Journal, 2022, 9, .	0.9	13
2	Auditory Survey of Endangered Eurasian Bittern Using Microphone Arrays and Robot Audition. Frontiers in Robotics and AI, 2022, 9, 854572.	2.0	3
3	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
4	Visualization of a chorus structure in multiple frog species by a sound discrimination device. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2021, 207, 87-98.	0.7	1
5	Visualizing Directional Soundscapes of Bird Vocalizations Using Robot Audition Techniques. , 2021, , .		0
6	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
7	Observing Nocturnal Birds Using Localization Techniques. , 2021, , .		4
8	Alternating Drive-and-Glide Flight Navigation of a Kiteplane for Sound Source Position Estimation. , 2021, , .		2
9	Robot Audition and Computational Auditory Scene Analysis. Advanced Intelligent Systems, 2020, 2, 2000050.	3.3	10
10	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, 756-766.	4.1	4
11	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
12	Soundscape Analysis of Bird Songs in Forests Using Microphone Arrays. , 2020, , .		0
13	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
14	Design and Implementation of Real-Time Visualization of Sound Source Positions by Drone Audition. , 2020, , .		2
15	Acoustic monitoring of owl fledglings. Landscape Ecology and Management, 2020, 25, 87-89.	0.0	0
16	Computational Design of Balanced Open Link Planar Mechanisms with Counterweights from User Sketches. , 2020, , .		0
17	An Integrated Framework for Field Recording, Localization, Classification and Annotation of Birdsongs Using Robot Audition Techniques "Harkbird 2.0. , 2019, , .		6
18	Computational Design of Statically Balanced Planar Spring Mechanisms. IEEE Robotics and Automation Letters, 2019, 4, 4438-4444.	3.3	14

#	ARTICLE	IF	CITATIONS
19	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
20	ImPACT-TRC Thin Serpentine Robot Platform for Urban Search and Rescue. Springer Tracts in Advanced Robotics, 2019, , 25-76.	0.3	8
21	Development of Tough Snake Robot Systems. Springer Tracts in Advanced Robotics, 2019, , 267-326.	0.3	10
22	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
23	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
24	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
25	Design and Implementation of Programmable Drawing Automata based on Cam Mechanisms for Representing Spatial Trajectory. , 2018, , .		1
26	Assessment of MUSIC-Based Noise-Robust Sound Source Localization with Active Frequency Range Filtering. Journal of Robotics and Mechatronics, 2018, 30, 426-435.	0.5	8
27	Extracting the Relationship between the Spatial Distribution and Types of Bird Vocalizations Using Robot Audition System HARK. , 2018, , .		5
28	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
29	Inertial-Sound Based Posture Estimation for a Hose-Shaped Rescue Robot. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2018, 2018, 2A1-M01.	0.0	1
30	Development of Tough Snake Robot in ImPACT Tough Robotics Challenge. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2018, 2018, 2A2-K05.	0.0	2
31	Visualizing Phonotactic Behavior of Female Frogs in Darkness. Scientific Reports, 2017, 7, 10539.	1.6	7
32	Development of microphone-array-embedded UAV for search and rescue task. , 2017, , .		28
33	Multi-party Interactions by Quizmaster Robot in Speech-Based Jeopardy! Like Games. , 2017, , .		1
34	Design of UAV-Embedded Microphone Array System for Sound Source Localization in Outdoor Environments. Sensors, 2017, 17, 2535.	2.1	83
35	Development of a snake robot moving in a pipe with helical rolling motion. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2017, 2017, 1P2-Q02.	0.0	1
36	Special Issue on Robot Audition Technologies. Journal of Robotics and Mechatronics, 2017, 29, 15-15.	0.5	3

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37	Development, Deployment and Applications of Robot Audition Open Source Software HARK. Journal of Robotics and Mechatronics, 2017, 29, 16-25.	0.5	38
38	Influence of Different Impulse Response Measurement Signals on MUSIC-Based Sound Source Localization. Journal of Robotics and Mechatronics, 2017, 29, 72-82.	0.5	2
39	Development of a Robotic Pet Using Sound Source Localization with the HARK Robot Audition System. Journal of Robotics and Mechatronics, 2017, 29, 146-153.	0.5	2
40	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
41	HARKBird: Exploring Acoustic Interactions in Bird Communities Using a Microphone Array. Journal of Robotics and Mechatronics, 2017, 29, 213-223.	0.5	25
42	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
43	Size Effect on Call Properties of Japanese Tree Frogs Revealed by Audio-Processing Technique. Journal of Robotics and Mechatronics, 2017, 29, 247-254.	0.5	1
44	Swarm of Sound-to-Light Conversion Devices to Monitor Acoustic Communication Among Small Nocturnal Animals. Journal of Robotics and Mechatronics, 2017, 29, 255-267.	0.5	3
45	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
46	Development of active scope camera with sensory functions. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2017, 2017, 1P2-P01.	0.0	0
47	Variational Bayesian multi-channel robust NMF for human-voice enhancement with a deformable and partially-occluded microphone array. , 2016, , .		5
48	Sound-based online localization for an in-pipe snake robot. , 2016, , .		28
49	Development of Robot Audition under Severe Conditions. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2016, 2016, 1A2-09b3.	0.0	0
50	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
51	Robot audition: Its rise and perspectives. , 2015, , .		49
52	Human-voice enhancement based on online RPCA for a hose-shaped rescue robot with a microphone array. , 2015, , .		10
53	HMM-based Attacks on Google's reCAPTCHA with Continuous Visual and Audio Symbols. Journal of Information Processing, 2015, 23, 814-826.	0.3	9
54	Unified inter- and intra-recording duration model for multiple music audio alignment. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
55	Beat Tracking for Interactive Dancing Robots. International Journal of Humanoid Robotics, 2015, 12, 1550023.	0.6	8
56	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
57	Microphone-accelerometer based 3D posture estimation for a hose-shaped rescue robot. , 2015, , .		8
58	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
59	A Recipe for Empathy. International Journal of Social Robotics, 2015, 7, 35-49.	3.1	26
60	Posture estimation of hose-shaped robot by using active microphone array. Advanced Robotics, 2015, 29, 35-49.	1.1	6
61	Preferential training of neurodynamical model based on predictability of target dynamics. Advanced Robotics, 2015, 29, 587-596.	1.1	1
62	Toward a quizmaster robot for speech-based multiparty interaction. Advanced Robotics, 2015, 29, 1205-1219.	1.1	5
63	Challenges in deploying a microphone array to localize and separate sound sources in real auditory scenes. , 2015, , .		3
64	Audio-visual speech recognition using deep learning. Applied Intelligence, 2015, 42, 722-737.	3.3	415
65	Improved sound source localization in horizontal plane for binaural robot audition. Applied Intelligence, 2015, 42, 63-74.	3.3	21
66	Developing Robot Emotions through Interaction with Caregivers. Advances in Computational Intelligence and Robotics Book Series, 2015, , 316-337.	0.4	5
67	Sound annotation tool for multidirectional sounds based on spatial information extracted by HARK robot audition software. , 2014, , .		1
68	Development of a robot quizmaster with auditory functions for speech-based multiparty interaction. , 2014, , .		5
69	Applying intrinsic motivation for visuomotor learning of robot arm motion. , 2014, , .		0
70	Making a robot dance to diverse musical genre in noisy environments. , 2014, , .		2
71	A robot quizmaster that can localize, separate, and recognize simultaneous utterances for a fastest-voice-first quiz game. , 2014, , .		3
72	Visualization of auditory awareness based on sound source positions estimated by depth sensor and microphone array. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
73	A sound-based online method for estimating the time-varying posture of a hose-shaped robot. , 2014, , .		2
74	Nonparametric Bayesian Dereverberation of Power Spectrograms Based on Infinite-Order Autoregressive Processes. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1918-1930.	4.0	8
75	Transcribing vocal expression from polyphonic music. , 2014, , .		4
76	Chronic kidney disease score for predicting postoperative masked renal insufficiency in patients with primary aldosteronism. Clinical Endocrinology, 2014, 81, 665-670.	1.2	18
77	Automatic transcription of guitar tablature from audio signals in accordance with player's proficiency. , 2014, , .		13
78	A subtype prediction score for primary aldosteronism. Journal of Human Hypertension, 2014, 28, 716-720.	1.0	41
79	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
80	Insertion of pause in drawing from babbling for robot's developmental imitation learning. , 2014, , .		10
81	Bayesian Nonparametrics for Microphone Array Processing. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 493-504.	4.0	36
82	The MEI Robot: Towards Using Motherese to Develop Multimodal Emotional Intelligence. IEEE Transactions on Autonomous Mental Development, 2014, 6, 126-138.	2.3	29
83	Audio part mixture alignment based on hierarchical nonparametric Bayesian model of musical audio sequence collection. , 2014, , .		1
84	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
85	Spatio-Temporal Dynamics in Collective Frog Choruses Examined by Mathematical Modeling and Field Observations. Scientific Reports, 2014, 4, 3891.	1.6	55
86	Proposal of International Conference Promotion: Destination Branding and Risk Management by a Network of Conference Centres. , 2014, , 85-95.		0
87	Nonparametric Bayesian sparse factor analysis for frequency domain blind source separation without permutation ambiguity. Eurasip Journal on Audio, Speech, and Music Processing, 2013, 2013, .	1.3	2
88	Integration of behaviors and languages with a hierarchal structure self-organized in a neuro-dynamical model. , 2013, , .		6
89	Robust localization and tracking of multiple speakers in real environments for binaural robot audition. , 2013, , .		2
90	Initialization-robust Bayesian multipitch analyzer based on psychoacoustical and musical criteria. , 2013, , .		0

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91	Audio-based guitar tablature transcription using multipitch analysis and playability constraints. , 2013, , .		5
92	Improved binaural sound localization and tracking for unknown time-varying number of speakers. Advanced Robotics, 2013, 27, 1161-1173.	1.1	12
93	Histopathological Diagnosis of Primary Aldosteronism Using CYP11B2 Immunohistochemistry. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1567-1574.	1.8	101
94	Developmental Human-Robot Imitation Learning of Drawing with a Neuro Dynamical System. , 2013, , .		29
95	Noise correlation matrix estimation for improving sound source localization by multirotor UAV. , 2013, , .		57
96	Hands-free human-robot communication robust to speaker's radial position. , 2013, , .		5
97	Posture estimation of hose-shaped robot using microphone array localization. , 2013, , .		13
98	Multiple index combination for Japanese spoken term detection with optimum index selection based on OOV-region classifier. , 2013, , .		0
99	Learning and association of synaesthesia phenomenon using deep neural networks. , 2013, , .		0
100	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
101	Robust Multipitch Analyzer against Initialization based on Latent Harmonic Allocation using Overtone Corpus. Journal of Information Processing, 2013, 21, 246-255.	0.3	0
102	A Speaker Diarization System with Robust Speaker Localization and Voice Activity Detection. Studies in Computational Intelligence, 2013, , 77-82.	0.7	4
103	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
104	Efficient Blind Dereverberation and Echo Cancellation Based on Independent Component Analysis for Actual Acoustic Signals. Neural Computation, 2012, 24, 234-272.	1.3	10
105	Confirmatory Testing in Primary Aldosteronism. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 1688-1694.	1.8	67
106	Automated Violin Fingering Transcription Through Analysis of an Audio Recording. Computer Music Journal, 2012, 36, 57-72.	0.3	7
107	Initialization-robust multipitch estimation based on latent harmonic allocation using overtone corpus. , 2012, , .		3
108	An active audition framework for auditory-driven HRI: Application to interactive robot dancing. , 2012, , .		11

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109	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
110	Live assessment of beat tracking for robot audition. , 2012, , .		7
111	Unified auditory functions based on Bayesian topic model. , 2012, , .		4
112	Sound sources selection system by using onomatopoeic queries from multiple sound sources. , 2012, , .		1
113	A Musical Robot that Synchronizes with a Coplayer Using Non-Verbal Cues. Advanced Robotics, 2012, 26, 363-381.	1.1	8
114	Who is the leader in a multiperson ensemble? &#x2014; Multiperson human-robot ensemble model with leaderness &#x2014;. , 2012, , .		2
115	Incremental probabilistic geometry estimation for robot scene understanding. , 2012, , .		2
116	Automatic Allocation of Training Data for Speech Understanding Based on Multiple Model Combinations. IEICE Transactions on Information and Systems, 2012, E95.D, 2298-2307.	0.4	0
117	Toolâ€¦Body Assimilation of Humanoid Robot Using a Neurodynamical System. IEEE Transactions on Autonomous Mental Development, 2012, 4, 139-149.	2.3	30
118	Improvement of audio-visual score following in robot ensemble with human guitarist. , 2012, , .		4
119	Body area segmentation from visual scene based on predictability of neuro-dynamical system. , 2012, , .		0
120	Self-organization of object features representing motion using Multiple Timescales Recurrent Neural Network. , 2012, , .		1
121	A multimodal tempo and beat-tracking system based on audiovisual information from live guitar performances. Eurasip Journal on Audio, Speech, and Music Processing, 2012, 2012, .	1.3	3
122	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
123	A GMM Sound Source Model for Blind Speech Separation in Under-determined Conditions. Lecture Notes in Computer Science, 2012, , 446-453.	1.0	3
124	Using Speech Data to Recognize Emotion in Human Gait. Lecture Notes in Computer Science, 2012, , 52-64.	1.0	4
125	Infinite Sparse Factor Analysis for Blind Source Separation in Reverberant Environments. Lecture Notes in Computer Science, 2012, , 638-647.	1.0	0
126	Automatic Chord Recognition Based on Probabilistic Integration of Acoustic Features, Bass Sounds, and Chord Transition. Lecture Notes in Computer Science, 2012, , 58-67.	1.0	0



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127	Adaptive Pitch Control for Robot Thereminist Using Unscented Kalman Filter. <i>Studies in Computational Intelligence</i> , 2012, , 19-24.	0.7	0
128	I-Divergence-based dereverberation method with auxiliary function approach. , 2011, , .		7
129	Converting emotional voice to motion for robot telepresence. , 2011, , .		17
130	Polyphonic audio-to-score alignment based on Bayesian Latent Harmonic Allocation Hidden Markov Model. , 2011, , .		9
131	Design and implementation of selectable sound separation on the Texai telepresence system using HARK. , 2011, , .		31
132	Predicting listener back-channels for human-agent interaction using neuro-dynamical model. , 2011, , .		1
133	People Detection Based on Spatial Mapping of Friendliness and Floor Boundary Points for a Mobile Navigation Robot. <i>Journal of Robotics</i> , 2011, 2011, 1-10.	0.6	69
134	Phoneme Acquisition based on Vowel Imitation Model using Recurrent Neural Network and Physical Vocal Tract Model. <i>Journal of the Robotics Society of Japan</i> , 2011, 27, 802-813.	0.0	2
135	Query-by-Example Music Information Retrieval by Score-Informed Source Separation and Remixing Technologies. <i>Eurasip Journal on Advances in Signal Processing</i> , 2011, 2010, .	1.0	6
136	Real-Time Audio-to-Score Alignment Using Particle Filter for Coplayer Music Robots. <i>Eurasip Journal on Advances in Signal Processing</i> , 2011, 2011, .	1.0	18
137	LyricSynchronizer: Automatic Synchronization System Between Musical Audio Signals and Lyrics. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2011, 5, 1252-1261.	7.3	51
138	Blind Separation and Dereverberation of Speech Mixtures by Joint Optimization. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 69-84.	3.8	121
139	Simultaneous processing of sound source separation and musical instrument identification using Bayesian spectral modeling. , 2011, , .		9
140	Sound imaging of nocturnal animal calls in their natural habitat. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2011, 197, 915-921.	0.7	19
141	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
142	Emergence of hierarchical structure mirroring linguistic composition in a recurrent neural network. <i>Neural Networks</i> , 2011, 24, 311-320.	3.3	34
143	A musical mood trajectory estimation method using lyrics and acoustic features. , 2011, , .		4
144	Particle-filter based audio-visual beat-tracking for music robot ensemble with human guitarist. , 2011, , .		8

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145	Complex and transitive synchronization in a frustrated system of calling frogs. Physical Review E, 2011, 83, 031913.	0.8	31
146	Identification of self-body based on dynamic predictability using neuro-dynamical system. , 2011, , .		0
147	Publisher's Note: Complex and transitive synchronization in a frustrated system of calling frogs [Phys. Rev. E83, 031913 (2011)]. Physical Review E, 2011, 83, .	0.8	0
148	Towards Written Text Recognition Based on Handwriting Experiences Using a Recurrent Neural Network. Advanced Robotics, 2011, 25, 2173-2187.	1.1	1
149	Classification of Known and Unknown Environmental Sounds Based on Self-Organized Space Using a Recurrent Neural Network. Advanced Robotics, 2011, 25, 2127-2141.	1.1	3
150	Handwriting prediction based character recognition using recurrent neural network. , 2011, , .		8
151	Improvement of speaker localization by considering multipath interference of sound wave for binaural robot audition. , 2011, , .		3
152	Environmental Sound Recognition for Robot Audition Using Matching-Pursuit. Lecture Notes in Computer Science, 2011, , 1-10.	1.0	12
153	Musical Beat-Tracking for Robots and Its Application to A Music Robot. Journal of the Robotics Society of Japan, 2011, 27, 793-801.	0.0	1
154	Robot with Two Ears Listens to More than Two Simultaneous Utterances by Exploiting Harmonic Structures. Lecture Notes in Computer Science, 2011, , 348-358.	1.0	0
155	Use of a Sparse Structure to Improve Learning Performance of Recurrent Neural Networks. Lecture Notes in Computer Science, 2011, , 323-331.	1.0	2
156	Evaluation of Spoken Dialogue System that uses Utterance Timing to Interpret User Utterances. , 2011, , 315-325.		0
157	Robot Audition based on Multiple-Input Independent Component Analysis for Recognizing Barge-In Speech under Reverberation. Journal of the Robotics Society of Japan, 2011, 27, 782-792.	0.0	1
158	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
159	Improvement of speaker localization by considering multipath interference of sound wave for binaural robot audition. , 2011, , .		0
160	Particle-filter based audio-visual beat-tracking for music robot ensemble with human guitarist. , 2011, , .		0
161	Selecting Help Messages by Using Robust Grammar Verification for Handling Out-of-Grammar Utterances in Spoken Dialogue Systems. IEICE Transactions on Information and Systems, 2010, E93-D, 3359-3367.	0.4	1
162	Soft missing-feature mask generation for Robot Audition. Paladyn, 2010, 1, 37-47.	1.9	0

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163	Voice-awareness control for a humanoid robot consistent with its body posture and movements. Paladyn, 2010, 1, 80-88.	1.9	2
164	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
165	Inter-modality mapping in robot with recurrent neural network. Pattern Recognition Letters, 2010, 31, 1560-1569.	2.6	32
166	Motion generation based on reliable predictability using self-organized object features. , 2010, , .		1
167	Robot musical accompaniment: integrating audio and visual cues for real-time synchronization with a human flutist. , 2010, , .		16
168	A Corpus-Based Analysis of Coreferential Recency Effect in Japanese Discourse for Tracking Dynamic Topic. , 2010, , .		0
169	Two-layered audio-visual speech recognition for robots in noisy environments. , 2010, , .		6
170	Human-robot ensemble between robot thereminist and human percussionist using coupled oscillator model. , 2010, , .		9
171	Exploiting harmonic structures to improve separating simultaneous speech in under-determined conditions. , 2010, , .		0
172	An improvement in automatic speech recognition using soft missing feature masks for robot audition. , 2010, , .		2
173	Human-robot cooperation in arrangement of objects using confidence measure of neuro-dynamical system. , 2010, , .		3
174	Improvement in listening capability for humanoid robot HRP-2. , 2010, , .		4
175	Speedup and performance improvement of ICA-based robot audition by parallel and resampling-based block-wise processing. , 2010, , .		1
176	Noisy speech enhancement based on prior knowledge about spectral envelope and harmonic structure. , 2010, , .		3
177	Upper-limit evaluation of robot audition based on ICA-BSS in multi-source, barge-in and highly reverberant conditions. , 2010, , .		3
178	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
179	Music dereverberation using harmonic structure source model and Wiener filter. , 2010, , .		6
180	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

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181	Violin Fingering Estimation Based on Violin Pedagogical Fingering Model Constrained by Bowed Sequence Estimation from Audio Input. Lecture Notes in Computer Science, 2010, , 249-259.	1.0	4
182	On special issue ^ ^ldquo;Robot Audition^ ^rdquo;. Journal of the Robotics Society of Japan, 2010, 28, 1-1.	0.0	1
183	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
184	Recognition and Generation of Sentences through Self-organizing Linguistic Hierarchy Using MTRNN. Lecture Notes in Computer Science, 2010, , 42-51.	1.0	1
185	System for Supporting Web-based Public Debate Using Transcripts of Face-to-Face Meeting. Lecture Notes in Computer Science, 2010, , 311-320.	1.0	1
186	ãfãfœãfãf~èè   šã,ãf¼ãf—ãf³ã,¼ãf¼ã,¼ã,¼ãf•ãf^ã,   ä,ã,¢HARK. Journal of the Robotics Society of Japan, 2010, 28, 6-9.	0.0	0
187	Improving Identification Accuracy by Extending Acceptable Utterances in Spoken Dialogue System Using Barge-in Timing. Lecture Notes in Computer Science, 2010, , 585-594.	1.0	0
188	Emergence of Dynamical Communication based on Body Dynamics between Two Robots with RNN. Journal of the Robotics Society of Japan, 2010, 28, 532-543.	0.0	0
189	An Improvement in Audio-Visual Voice Activity Detection for Automatic Speech Recognition. Lecture Notes in Computer Science, 2010, , 51-61.	1.0	5
190	Title is missing!. Journal of the Robotics Society of Japan, 2010, 28, 2-5.	0.0	6
191	Binaural Active Audition for Humanoid Robots to Localise Speech over Entire Azimuth Range. Applied Bionics and Biomechanics, 2009, 6, 355-367.	0.5	2
192	Modeling tool-body assimilation using second-order Recurrent Neural Network. , 2009, , .		8
193	Incremental polyphonic audio to score alignment using beat tracking for singer robots. , 2009, , .		9
194	ICA-based efficient blind dereverberation and echo cancellation method for barge-in-able robot audition. , 2009, , .		13
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