

Nobutaka Ono

List of Publications by Year in descending order

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Version: 2024-02-01

183
papers

2,840
citations

331670

21
h-index

377865

34
g-index

183
all docs

183
docs citations

183
times ranked

1192
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of a novel nasal oxytocin spray with enhanced bioavailability on autism: a randomized trial. <i>Brain</i> , 2022, 145, 490-499.	7.6	29
2	Instantaneous Linear Dimensionality Reduction of Multichannel Time-Series Signal for Array Signal Processing. , 2022, , .		0
3	Entrainment Analysis for Assessment of Autistic Speech Prosody Using Bottleneck Features of Deep Neural Network. , 2022, , .		0
4	Joint Dereverberation and Separation With Iterative Source Steering. , 2021, , .		12
5	Rotation-Robust Beamforming Based on Sound Field Interpolation with Regularly Circular Microphone Array. , 2021, , .		3
6	Acoustic Object Canceller Using Blind Compensation for Sampling Frequency Mismatch. , 2021, , .		1
7	Real-Time Pitch Visualization with "Blinky" Sound-to-Light Conversion Device. <i>Journal of Signal Processing</i> , 2021, 25, 213-220.	0.3	3
8	Time-Frequency-Bin-Wise Linear Combination of Beamformers for Distortionless Signal Enhancement. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021, 29, 3461-3475.	5.8	4
9	Sampling Frequency Mismatch Estimation by Auxiliary-Function-Based Iterative Maximization of Double-Cross-Correlation. , 2021, , .		2
10	Independent Low-Rank Matrix Analysis Based on Time-Variant Sub-Gaussian Source Model for Determined Blind Source Separation. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2020, 28, 503-518.	5.8	16
11	Blinkies: Open Source Sound-to-Light Conversion Sensors for Large-Scale Acoustic Sensing and Applications. <i>IEEE Access</i> , 2020, 8, 67603-67616.	4.2	5
12	Time-frequency-bin-wise Switching of Minimum Variance Distortionless Response Beamformer for Underdetermined Situations. , 2019, , .		14
13	Independent Deeply Learned Matrix Analysis for Determined Audio Source Separation. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2019, 27, 1601-1615.	5.8	43
14	Estimation of Sampling Frequency Mismatch between Distributed Asynchronous Microphones under Existence of Source Movements with Stationary Time Periods Detection. , 2019, , .		9
15	Multi-modal Blind Source Separation with Microphones and Blinkies. , 2019, , .		6
16	A review of blind source separation methods: two converging routes to ILRMA originating from ICA and NMF. <i>APSIPA Transactions on Signal and Information Processing</i> , 2019, 8, .	3.3	60
17	Autism Spectrum Disorder Discrimination Based on Voice Activities Related to Fillers and Laughter. , 2019, , .		3
18	Bilevel Optimization Using Stationary Point of Lower-Level Objective Function for Discriminative Basis Learning in Nonnegative Matrix Factorization. <i>IEEE Signal Processing Letters</i> , 2019, 26, 818-822.	3.6	2

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19	Independent Vector Analysis with More Microphones Than Sources. , 2019, , .		41
20	Improving replay attack detection by combination of spatial and spectral features. , 2019, , .		3
21	Projection Back onto Filtered Observations for Speech Separation with Distributed Microphone Array. , 2019, , .		1
22	Replay Attack Detection Using Generalized Cross-Correlation of Stereo Signal. , 2019, , .		5
23	Blink-former: Light-aided beamforming for multiple targets enhancement. , 2019, , .		3
24	Sub-Sample Time Delay Estimation via Auxiliary-Function-Based Iterative Updates. , 2019, , .		12
25	CNN-based virtual microphone signal estimation for MPDR beamforming in underdetermined situations. , 2019, , .		4
26	Quantification of speech and synchrony in the conversation of adults with autism spectrum disorder. PLoS ONE, 2019, 14, e0225377.	2.5	31
27	Acoustic Topic Model for Scene Analysis With Intermittently Missing Observations. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 367-382.	5.8	12
28	Quantification of speech and synchrony in the conversation of adults with autism spectrum disorder. , 2019, 14, e0225377.		0
29	Quantification of speech and synchrony in the conversation of adults with autism spectrum disorder. , 2019, 14, e0225377.		0
30	Quantification of speech and synchrony in the conversation of adults with autism spectrum disorder. , 2019, 14, e0225377.		0
31	Quantification of speech and synchrony in the conversation of adults with autism spectrum disorder. , 2019, 14, e0225377.		0
32	Quantification of speech and synchrony in the conversation of adults with autism spectrum disorder. , 2019, 14, e0225377.		0
33	Quantification of speech and synchrony in the conversation of adults with autism spectrum disorder. , 2019, 14, e0225377.		0
34	Deeply Learned Filter Response Functions for Hyperspectral Reconstruction. , 2018, , .		49
35	Maximum a posteriori estimation of spectral gain with harmonic-structure-based phase reconstruction for phase-aware speech enhancement. , 2018, , .		1
36	Time-Frequency-Bin-Wise Beamformer Selection and Masking for Speech Enhancement in Underdetermined Noisy Scenarios. , 2018, , .		7

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37	Sonoloc. , 2018, , .		14
38	Independent Low-Rank Matrix Analysis Based on Time-Variant Sub-Gaussian Source Model. , 2018, , .		5
39	Blinkies: Sound-to-light conversion sensors and their application to speech enhancement and sound source localization. , 2018, , .		6
40	Meeting Recognition with Asynchronous Distributed Microphone Array Using Block-Wise Refinement of Mask-Based MVDR Beamformer. , 2018, , .		14
41	Comparison of Reference Microphone Selection Algorithms for Distributed Microphone Array Based Speech Enhancement in Meeting Recognition Scenarios. , 2018, , .		10
42	Independent Deeply Learned Matrix Analysis for Multichannel Audio Source Separation. , 2018, , .		24
43	Generalized independent low-rank matrix analysis using heavy-tailed distributions for blind source separation. Eurasip Journal on Advances in Signal Processing, 2018, 2018, .	1.7	35
44	Determined Blind Source Separation with Independent Low-Rank Matrix Analysis. Signals and Communication Technology, 2018, , 125-155.	0.5	42
45	Orthogonally-Constrained Extraction of Independent Non-Gaussian Component from Non-Gaussian Background Without ICA. Lecture Notes in Computer Science, 2018, , 161-170.	1.3	6
46	The 2016 Signal Separation Evaluation Campaign. Lecture Notes in Computer Science, 2017, , 323-332.	1.3	81
47	Spatial Cepstrum as a Spatial Feature Using a Distributed Microphone Array for Acoustic Scene Analysis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1335-1343.	5.8	27
48	Closed-Form and Near Closed-Form Solutions for TDOA-Based Joint Source and Sensor Localization. IEEE Transactions on Signal Processing, 2017, 65, 1207-1221.	5.3	50
49	Low-latency real-time blind source separation for hearing aids based on time-domain implementation of online independent vector analysis with truncation of non-causal components. , 2017, , .		19
50	Blind source separation based on independent low-rank matrix analysis with sparse regularization for time-series activity. , 2017, , .		12
51	Sleep Apnea Detection via Depth Video and Audio Feature Learning. IEEE Transactions on Multimedia, 2017, 19, 822-835.	7.2	28
52	Abnormal sound detection by two microphones using virtual microphone technique. , 2017, , .		4
53	Independent low-rank matrix analysis based on complex student's t-distribution for blind audio source separation. , 2017, , .		16
54	Light transport component decomposition using multi-frequency illumination. , 2017, , .		3

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55	Reversible Audio Information Hiding for Tampering Detection and Localization Using Sample Scanning Method. <i>Journal of Information Processing</i> , 2017, 25, 469-476.	0.4	4
56	Sound source localization using binaural difference for hose-shaped rescue robot. , 2017, , .		1
57	Acoustic scene classification based on generative model of acoustic spatial words for distributed microphone array. , 2017, , .		4
58	Multiple far noise suppression in a real environment using transfer-function-gain NMF. , 2017, , .		5
59	Acoustic scene classification using asynchronous multichannel observations with different lengths. , 2017, , .		1
60	Experimental analysis of optimal window length for independent low-rank matrix analysis. , 2017, , .		8
61	Meeting recognition with asynchronous distributed microphone array. , 2017, , .		12
62	Refinement of time-difference-of-arrival measurements via rank properties in two-dimensional space. , 2017, , .		0
63	Performance evaluation of nonlinear speech enhancement based on virtual increase of channels in reverberant environments. , 2017, , .		4
64	Performance evaluation of acoustic scene classification using DNN-GMM and frame-concatenated acoustic features. , 2017, , .		6
65	Online sound structure analysis based on generative model of acoustic feature sequences. , 2017, , .		0
66	Ego Noise Reduction for Hose-Shaped Rescue Robot Combining Independent Low-Rank Matrix Analysis and Multichannel Noise Cancellation. <i>Lecture Notes in Computer Science</i> , 2017, , 141-151.	1.3	4
67	Low Latency and High Quality Two-Stage Human-Voice-Enhancement System for a Hose-Shaped Rescue Robot. <i>Journal of Robotics and Mechatronics</i> , 2017, 29, 198-212.	1.0	12
68	Determined Blind Source Separation Unifying Independent Vector Analysis and Nonnegative Matrix Factorization. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2016, 24, 1626-1641.	5.8	232
69	A Real-time Audio-to-audio Karaoke Generation System for Monaural Recordings Based on Singing Voice Suppression and Key Conversion Techniques. <i>Journal of Information Processing</i> , 2016, 24, 470-482.	0.4	4
70	Closed-form solution for TDOA-based joint source and sensor localization in two-dimensional space. , 2016, , .		6
71	Unsupervised detection of non-stationary segments based on single-basis non-negative matrix factorization for effective annotation. , 2016, , .		0
72	Evaluation of singing enthusiasm for songs with multiple phrases. , 2016, , .		0

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73	Online acoustic scene analysis based on nonparametric Bayesian model. , 2016, , .		1
74	Frequency-domain blind speech separation using incomplete de-mixing transform. , 2016, , .		2
75	Self-localization and channel synchronization of smartphone arrays using sound emissions. , 2016, , .		3
76	Music signal separation using supervised NMF with all-pole-model-based discriminative basis deformation. , 2016, , .		2
77	Discriminative and reconstructive basis training for audio source separation with semi-supervised nonnegative matrix factorization. , 2016, , .		7
78	Noise reduction using independent vector analysis and noise cancellation for a hose-shaped rescue robot. , 2016, , .		5
79	Ego-noise reduction for a hose-shaped rescue robot using determined rank-1 multichannel nonnegative matrix factorization. , 2016, , .		3
80	A computationally cheaper method for blind speech separation based on AuxIVA and incomplete demixing transform. , 2016, , .		5
81	Robust TDOA-based joint source and microphone localization in a reverberant environment using medians of acceptable recovered TOAs. , 2016, , .		9
82	Efficient initialization for nonnegative matrix factorization based on nonnegative independent component analysis. , 2016, , .		7
83	Nonlinear speech enhancement by virtual increase of channels and maximum SNR beamformer. <i>Eurasip Journal on Advances in Signal Processing</i> , 2016, 2016, .	1.7	13
84	Closed-Form and Near Closed-Form Solutions for TOA-Based Joint Source and Sensor Localization. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 4751-4766.	5.3	44
85	Efficient multichannel nonnegative matrix factorization exploiting rank-1 spatial model. , 2015, , .		36
86	Blind compensation of interchannel sampling frequency mismatch for ad hoc microphone array based on maximum likelihood estimation. <i>Signal Processing</i> , 2015, 107, 185-196.	3.7	49
87	Diffuse noise suppression with asynchronous microphone array based on amplitude additivity model. , 2015, , .		2
88	Relaxation of rank-1 spatial constraint in overdetermined blind source separation. , 2015, , .		16
89	Spatial-feature-based acoustic scene analysis using distributed microphone array. , 2015, , .		7
90	Acoustic scene analysis from acoustic event sequence with intermittent missing event. , 2015, , .		8

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91	A Stochastic Temporal Model of Polyphonic MIDI Performance with Ornaments. Journal of New Music Research, 2015, 44, 287-304.	0.8	7
92	Blind Suppression of Nonstationary Diffuse Acoustic Noise Based on Spatial Covariance Matrix Decomposition. Journal of Signal Processing Systems, 2015, 79, 145-157.	2.1	4
93	Reference-distance estimation approach for TDOA-based source and sensor localization. , 2015, , .		10
94	Fast DNN training based on auxiliary function technique. , 2015, , .		0
95	Special issue on wireless acoustic sensor networks and ad hoc microphone arrays. Signal Processing, 2015, 107, 1-3.	3.7	22
96	The 2015 Signal Separation Evaluation Campaign. Lecture Notes in Computer Science, 2015, , 387-395.	1.3	42
97	Amplitude-based speech enhancement with nonnegative matrix factorization for asynchronous distributed recording. , 2014, , .		24
98	Harmonic/Percussive Sound Separation Based on Anisotropic Smoothness of Spectrograms. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 2059-2073.	5.8	15
99	Traffic monitoring with ad-hoc microphone array. , 2014, , .		8
100	Outer-Product Hidden Markov Model and Polyphonic MIDI Score Following. Journal of New Music Research, 2014, 43, 183-201.	0.8	9
101	Robust Sensing of Approaching Vehicles Relying on Acoustic Cues. Sensors, 2014, 14, 9546-9561.	3.8	13
102	Numerical formulae for TOA-based microphone and source localization. , 2014, , .		13
103	Generalized amplitude interpolation by β -divergence for virtual microphone array. , 2014, , .		1
104	Robust Audio Information Hiding Based on Stereo Phase Difference in Time-Frequency Domain. , 2014, , .		2
105	Design of FPGA-based rapid prototype spectral subtraction for hands-free speech applications. , 2014, , .		5
106	Robust Sensing of Approaching Vehicles Relying on Acoustic Cue. , 2014, , .		2
107	An auxiliary-function approach to online independent vector analysis for real-time blind source separation. , 2014, , .		31
108	Singing Voice Enhancement in Monaural Music Signals Based on Two-stage Harmonic/Percussive Sound Separation on Multiple Resolution Spectrograms. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 228-237.	5.8	37

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109	Automatic music accompaniment allowing errors and arbitrary repeats and jumps. Proceedings of Meetings on Acoustics, 2014, , .	0.3	5
110	On microphone arrangement for multichannel speech enhancement based on nonnegative matrix factorization in time-channel domain. , 2014, , .		1
111	Reversible Audio Information Hiding Based on Integer DCT Coefficients with Adaptive Hiding Locations. Lecture Notes in Computer Science, 2014, , 376-389.	1.3	6
112	Microphone multiplexing with diffuse noise model-based principal component analysis. , 2013, , .		2
113	Optimizing frame analysis with non-integrer shift for sampling mismatch compensation of long recording. , 2013, , .		12
114	The 2013 Signal Separation Evaluation Campaign. , 2013, , .		30
115	Speech enhancement with ad-hoc microphone array using single source activity. , 2013, , .		11
116	Blind compensation of inter-channel sampling frequency mismatch with maximum likelihood estimation in STFT domain. , 2013, , .		38
117	General algorithms for estimating spectrogram and transfer functions of target signal for blind suppression of diffuse noise. , 2013, , .		3
118	Bayesian Nonparametric Approach to Blind Separation of Infinitely Many Sparse Sources. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 1928-1937.	0.3	11
119	User-guided independent vector analysis with source activity tuning. , 2012, , .		15
120	A tandem connectionist model using combination of multi-scale spectro-temporal features for acoustic event detection. , 2012, , .		7
121	Comparative evaluations of various harmonic/percussive sound separation algorithms based on anisotropic continuity of spectrogram. , 2012, , .		9
122	Variable-length coding of ACELP gain using Entropy-Constrained VQ. , 2012, , .		0
123	Multichannel harmonic and percussive component separation by joint modeling of spatial and spectral continuity. , 2011, , .		12
124	Concurrent Optimization of Context Clustering and GMM for Offline Handwritten Word Recognition Using HMM. , 2011, , .		2
125	Bayesian nonparametric spectrogram modeling based on infinite factorial infinite hidden Markov model. , 2011, , .		28
126	Stable and fast update rules for independent vector analysis based on auxiliary function technique. , 2011, , .		243

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127	Polyphonic Pitch Estimation and Instrument Identification by Joint Modeling of Sustained and Attack Sounds. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2011, 5, 1124-1132.	10.8	15
128	Beyond Timbral Statistics: Improving Music Classification Using Percussive Patterns and Bass Lines. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 1003-1014.	3.2	27
129	Diffuse Noise Suppression Using Crystal-Shaped Microphone Arrays. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 2101-2110.	3.2	15
130	Computational auditory induction as a missing-data model-fitting problem with Bregman divergence. <i>Speech Communication</i> , 2011, 53, 658-676.	2.8	21
131	Multipitch estimation by joint modeling of harmonic and transient sounds. , 2011, , .		6
132	Automatic video annotation via Hierarchical Topic Trajectory Model considering cross-modal correlations. , 2011, , .		2
133	Infinite-state spectrum model for music signal analysis. , 2011, , .		11
134	Speech Spectrum Modeling for Joint Estimation of Spectral Envelope and Fundamental Frequency. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2010, 18, 1507-1516.	3.2	11
135	Melody line estimation in homophonic music audio signals based on temporal-variability of melodic source. , 2010, , .		42
136	Nonnegative Matrix Factorization with Markov-Chained Bases for Modeling Time-Varying Patterns in Music Spectrograms. <i>Lecture Notes in Computer Science</i> , 2010, , 149-156.	1.3	24
137	HMM-based approach for automatic chord detection using refined acoustic features. , 2010, , .		35
138	Designing the Wiener post-filter for diffuse noise suppression using imaginary parts of inter-channel cross-spectra. , 2010, , .		16
139	A sparse component model of source signals and its application to blind source separation. , 2010, , .		4
140	Music mood classification by rhythm and bass-line unit pattern analysis. , 2010, , .		5
141	R-means localization: A simple iterative algorithm for range-difference-based source localization. , 2010, , .		5
142	Analysis on speech characteristics for robust voice activity detection. , 2010, , .		2
143	Convergence-guaranteed multiplicative algorithms for nonnegative matrix factorization with β-divergence. , 2010, , .		39
144	Adaptive prediction order scheme for AMR-WB+. , 2010, , .		0

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145	Harmonic and Percussive Sound Separation and Its Application to MIR-Related Tasks. <i>Studies in Computational Intelligence</i> , 2010, , 213-236.	0.9	15
146	Crystal-MUSIC: Accurate Localization of Multiple Sources in Diffuse Noise Environments Using Crystal-Shaped Microphone Arrays. <i>Lecture Notes in Computer Science</i> , 2010, , 81-88.	1.3	6
147	Consistent Wiener Filtering: Generalized Time-Frequency Masking Respecting Spectrogram Consistency. <i>Lecture Notes in Computer Science</i> , 2010, , 89-96.	1.3	18
148	Auxiliary-Function-Based Independent Component Analysis for Super-Gaussian Sources. <i>Lecture Notes in Computer Science</i> , 2010, , 165-172.	1.3	55
149	Blind Estimation of Locations and Time Offsets for Distributed Recording Devices. <i>Lecture Notes in Computer Science</i> , 2010, , 57-64.	1.3	22
150	Flexible Harmonic Temporal Structure for Modeling Musical Instrument. <i>Lecture Notes in Computer Science</i> , 2010, , 416-418.	1.3	0
151	Complex NMF: A new sparse representation for acoustic signals. , 2009, , .		115
152	Audio genre classification using percussive pattern clustering combined with timbral features. , 2009, , .		13
153	An efficient lossless compression of multichannel time-series signals by MPEG-4 ALS. , 2009, , .		3
154	Analysis on blind decorrelation of isotropic noise correlation matrices based on symmetric decomposition. , 2009, , .		2
155	Note detection with dynamic bayesian networks as a postanalysis step for NMF-based multiple pitch estimation techniques. , 2009, , .		1
156	Blind alignment of asynchronously recorded signals for distributed microphone array. , 2009, , .		80
157	Rhythm map: Extraction of unit rhythmic patterns and analysis of rhythmic structure from music acoustic signals. , 2009, , .		5
158	Harmonic-Temporal-Timbral Clustering (HTTC) for the analysis of multi-instrument polyphonic music signals. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008, , .	1.8	7
159	A blind noise decorrelation approach with crystal arrays on designing post-filters for diffuse noise suppression. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008, , .	1.8	8
160	Auxiliary function approach to parameter estimation of constrained sinusoidal model for monaural speech separation. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008, , .	1.8	4
161	A Structure-Synthesis Image Inpainting Algorithm Based on Morphological Erosion Operation. , 2008, , .		14
162	Modulation analysis of speech through orthogonal FIR filterbank optimization. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008, , .	1.8	0

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163	Five classes of crystal arrays for blind decorrelation of diffuse noise. , 2008, , .		9
164	Spatio-temporal phase-encoding profilometry using correlation image sensor. , 2008, , .		5
165	Sound Source Localization with Front-Back Judgement by Two Microphones Asymmetrically Mounted on a Sphere. Journal of Multimedia, 2008, 3, .	0.3	4
166	Partial Differential Equation-Based Algorithm of Sound Source Localization with Finest Granularity in Both time and Frequency. , 2007, , .		2
167	Silicon Cochlear Microphone "Fishbone" with Complex Filtering and Hilbert Transform Capability for Instantaneous Signal Detection and Analysis. , 2007, , .		0
168	Single Channel Speech and Background Segregation Through Harmonic-Temporal Clustering. , 2007, , .		4
169	Sparseness-Based 2CH BSS using the EM Algorithm in Reverberant Environment. , 2007, , .		61
170	Isotropic Noise Suppression in the Power Spectrum Domain by Symmetric Microphone Arrays. , 2007, , .		11
171	Harmonic-Temporal Clustering of Speech for Single and Multiple F0 Contour Estimation in Noisy Environments. , 2007, , .		2
172	Sound Source Localization by Asymmetrically Arrayed 2ch Microphones on a Sphere. , 2007, , .		3
173	Real-Time Orientation-Sensitive Magneto-optic Imager for Leakage Flux Inspection. IEEE Transactions on Magnetics, 2007, 43, 1044-1051.	2.1	11
174	Single and Multiple F_0 Contour Estimation Through Parametric Spectrogram Modeling of Speech in Noisy Environments. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 1135-1145.	3.2	32
175	Surface orientation imager with excluding capability of non-Lambertian reflectance. , 2005, 5665, 9.		3
176	Surface orientation imager using three-phase amplitude-modulated illumination and correlation image sensor. , 2003, 5013, 95.		12
177	Bio-mimicry Sound Source Localization with Gimbal Diaphragm.. IEJ Transactions on Sensors and Micromachines, 2003, 123, 92-97.	0.1	9
178	Biomimicry Sound Source Localization with "Fishbone". IEJ Transactions on Sensors and Micromachines, 2001, 121, 313-319.	0.1	8
179	Sound Source Localization Sensor with Mimicking Barn Owls. , 2001, , 1626-1629.		3
180	Acoustic Sensing Based on Logarithmic Differential Decomposition (I): AM-FM Feature Extraction Based on Basis Waveforms Decomposition. IEJ Transactions on Sensors and Micromachines, 1999, 119, 498-505.	0.1	2

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181	Voice Liveness Detection for Speaker Verification based on a Tandem Single/Double-channel Pop Noise Detector. , 0, , .		19
182	Multi-Talker Speech Recognition Based on Blind Source Separation with ad hoc Microphone Array Using Smartphones and Cloud Storage. , 0, , .		13
183	Automatic Discrimination of Soft Voice Onset Using Acoustic Features of Breathy Voicing. , 0, , .		0