

# Natsuki Ueno

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

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citations

1684188

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1872680

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24  
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24  
docs citations

24  
times ranked

75  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sound Field Recording Using Distributed Microphones Based on Harmonic Analysis of Infinite Order. IEEE Signal Processing Letters, 2018, 25, 135-139.	3.6	56
2	Three-Dimensional Sound Field Reproduction Based on Weighted Mode-Matching Method. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1852-1867.	5.8	27
3	Kernel Ridge Regression with Constraint of Helmholtz Equation for Sound Field Interpolation. , 2018, , .		25
4	Feedforward Spatial Active Noise Control Based on Kernel Interpolation of Sound Field. , 2019, , .		15
5	Directionally Weighted Wave Field Estimation Exploiting Prior Information on Source Direction. IEEE Transactions on Signal Processing, 2021, 69, 2383-2395.	5.3	12
6	Spatial Active Noise Control Based on Kernel Interpolation of Sound Field. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3052-3063.	5.8	11
7	Spatial Active Noise Control Based on Kernel Interpolation with Directional Weighting. , 2020, , .		10
8	MESHRR: A Dataset of Room Impulse Responses on Meshed Grid Points for Evaluating Sound Field Analysis and Synthesis Methods. , 2021, , .		9
9	Kernel Learning for Sound Field Estimation with L1 and L2 Regularizations. , 2021, , .		7
10	Listening-area-informed sound field reproduction based on circular harmonic expansion. , 2017, , .		6
11	Amplitude Matching: Majorizationâ€“Minimization Algorithm for Sound Field Control Only with Amplitude Constraint. , 2021, , .		6
12	Region-Restricted Sensor Placement Based on Gaussian Process for Sound Field Estimation. IEEE Transactions on Signal Processing, 2022, 70, 1718-1733.	5.3	6
13	Mutual-Information-Based Sensor Placement for Spatial Sound Field Recording. , 2020, , .		5
14	Kernel interpolation of acoustic transfer function between regions considering reciprocity. , 2020, , .		4
15	Listening-area-informed sound field reproduction with Gaussian prior based on circular harmonic expansion. , 2017, , .		3
16	Robust Gridless Sound Field Decomposition Based on Structured Reciprocity Gap Functional in Spherical Harmonic Domain. , 2019, , .		3
17	Reciprocity gap functional in spherical harmonic domain for gridless sound field decomposition. Signal Processing, 2020, 169, 107383.	3.7	3
18	Sound Field Reproduction With Weighted Mode Matching and Infinite-Dimensional Harmonic Analysis: An Experimental Evaluation. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Two-Dimensional Sound Field Recording With Multiple Circular Microphone Arrays Considering Multiple Scattering. , 2019, , .		2
20	Sensor placement in arbitrarily restricted region for field estimation based on Gaussian process. , 2021, , .		2
21	Mean-Square-Error-Based Secondary Source Placement in Sound Field Synthesis with Prior Information on Desired Field. , 2021, , .		2
22	Sound Field Reproduction with Exterior Cancellation Using Analytical Weighting of Harmonic Coefficients. , 2018, , .		1
23	Convex and Differentiable Formulation for Inverse Problems in Hilbert Spaces with Nonlinear Clipping Effects. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 1293-1303.	0.3	0
24	Instantaneous Linear Dimensionality Reduction of Multichannel Time-Series Signal for Array Signal Processing. , 2022, , .		0