

# Shoichi Koyama

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8274187/publications.pdf>

Version: 2024-02-01

12  
papers

238  
citations

933264

10  
h-index

1199470

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

122  
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.	2.1	56
2	Wave Field Reconstruction Filtering in Cylindrical Harmonic Domain for With-Height Recording and Reproduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1546-1557.	4.0	29
3	Sparse Representation of a Spatial Sound Field in a Reverberant Environment. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 172-184.	7.3	29
4	Three-Dimensional Sound Field Reproduction Based on Weighted Mode-Matching Method. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1852-1867.	4.0	27
5	Optimizing Source and Sensor Placement for Sound Field Control: An Overview. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 696-714.	4.0	27
6	Multichannel Non-Negative Matrix Factorization Using Banded Spatial Covariance Matrices in Wavenumber Domain. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 49-60.	4.0	13
7	Multichannel Blind Source Separation Based on Evanescent-Region-Aware Non-Negative Tensor Factorization in Spherical Harmonic Domain. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 607-617.	4.0	13
8	Sparse Representation Using Multidimensional Mixed-Norm Penalty With Application to Sound Field Decomposition. IEEE Transactions on Signal Processing, 2018, 66, 3327-3338.	3.2	12
9	Directionally Weighted Wave Field Estimation Exploiting Prior Information on Source Direction. IEEE Transactions on Signal Processing, 2021, 69, 2383-2395.	3.2	12
10	Spatial Active Noise Control Based on Kernel Interpolation of Sound Field. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 3052-3063.	4.0	11
11	Region-Restricted Sensor Placement Based on Gaussian Process for Sound Field Estimation. IEEE Transactions on Signal Processing, 2022, 70, 1718-1733.	3.2	6
12	Reciprocity gap functional in spherical harmonic domain for gridless sound field decomposition. Signal Processing, 2020, 169, 107383.	2.1	3