

Damian Murphy

List of Publications by Year in descending order

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30
all docs

30
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times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the Colouration between Binaural Signals. Applied Sciences (Switzerland), 2022, 12, 2441.	2.5	1
2	The Past Has Ears (PHE): XR Explorations of Acoustic Spaces as Cultural Heritage. Lecture Notes in Computer Science, 2020, , 91-98.	1.3	15
3	Exploring cultural heritage through acoustic digital reconstructions. Physics Today, 2020, 73, 32-37.	0.3	7
4	Auditory Localization in Low-Bitrate Compressed Ambisonic Scenes. Applied Sciences (Switzerland), 2019, 9, 2618.	2.5	7
5	Boundary absorption approximation in the spatial high-frequency extrapolation method for parametric room impulse response synthesis. Journal of the Acoustical Society of America, 2019, 145, 2770-2782.	1.1	3
6	Interaural Level Difference Optimization of Binaural Ambisonic Rendering. Applied Sciences (Switzerland), 2019, 9, 1226.	2.5	6
7	Three-dimensional reflector localisation and room geometry estimation using a spherical microphone array. Journal of the Acoustical Society of America, 2019, 146, 3339-3352.	1.1	6
8	Acoustic Scene Classification Using Higher-Order Ambisonic Features. , 2019, , .		4
9	Diphthong Synthesis Using the Dynamic 3D Digital Waveguide Mesh. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 243-255.	5.8	10
10	Determining the Relevant Criteria for Three-dimensional Vocal Tract Characterization. Journal of Voice, 2018, 32, 130-142.	1.5	4
11	The Perception of Formant Tuning in Soprano Voices. Journal of Voice, 2018, 32, 126.e1-126.e10.	1.5	8
12	A Perceptual Evaluation of Individual and Non-Individual HRTFs: A Case Study of the SADIE II Database. Applied Sciences (Switzerland), 2018, 8, 2029.	2.5	36
13	Diffuse-Field Equalisation of Binaural Ambisonic Rendering. Applied Sciences (Switzerland), 2018, 8, 1956.	2.5	10
14	Application of Machine Learning for the Spatial Analysis of Binaural Room Impulse Responses. Applied Sciences (Switzerland), 2018, 8, 105.	2.5	8
15	Modeling Sparsely Reflecting Outdoor Acoustic Scenes Using the Waveguide Web. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 1566-1578.	5.8	15
16	EigenScape: A Database of Spatial Acoustic Scene Recordings. Applied Sciences (Switzerland), 2017, 7, 1204.	2.5	16
17	Acoustic Heritage and Audio Creativity: the Creative Application of Sound in the Representation, Understanding and Experience of Past Environments. Internet Archaeology, 2017, , .	0.4	16
18	Explicit Higher-Order FDTD Schemes for 3D Room Acoustic Simulation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 2003-2011.	5.8	9

#	ARTICLE	IF	CITATIONS
19	Modeling the Vocal Tract Transfer Function Using a 3D Digital Waveguide Mesh. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 453-464.	5.8	13
20	Room Impulse Response Synthesis and Validation Using a Hybrid Acoustic Model. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1940-1952.	3.2	29
21	Three-Dimensional Digital Waveguide Mesh Simulation of Cylindrical Vocal Tract Analogs. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 449-455.	3.2	16
22	Spatial Encoding of Finite Difference Time Domain Acoustic Models for Auralization. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 2420-2432.	3.2	11
23	A Comparative Evaluation of Techniques for Single-Frame Discrimination of Nonstationary Sinusoids. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 498-508.	3.2	2
24	Acoustic coupling in multi-dimensional finite difference schemes for physically modeled voice synthesis. , 2009, , .		1
25	Diffusing boundaries in the digital waveguide mesh and their effect on reverberation time. , 2008, , .		0
26	Methods for 2 nd Order Spherical Harmonic Spatial Encoding in Digital Waveguide Mesh Virtual Acoustic Simulations. , 2007, , .		1
27	Single-Frame Discrimination of Non-Stationary Sinusoids. , 2007, , .		3
28	Real-Time Dynamic Articulations in the 2-D Waveguide Mesh Vocal Tract Model. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 577-585.	3.2	33
29	The KW-Boundary Hybrid Digital Waveguide Mesh for Room Acoustics Applications. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 552-564.	3.2	20
30	Spatial Audio Measurement, Modeling and Composition. Leonardo, 2006, 39, 464-466.	0.3	1