

# George Tzanetakis

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

3,025  
citations

623734

14  
h-index

315739

38  
g-index

94  
all docs

94  
docs citations

94  
times ranked

1756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Musical genre classification of audio signals. IEEE Transactions on Speech and Audio Processing, 2002, 10, 293-302.	1.5	1,779
2	MARSYAS: a framework for audio analysis. Organised Sound, 2000, 4, 169-175.	0.2	236
3	An experimental comparison of audio tempo induction algorithms. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 1832-1844.	3.2	120
4	Pitch Histograms in Audio and Symbolic Music Information Retrieval. Journal of New Music Research, 2003, 32, 143-152.	0.8	69
5	Polyphonic audio matching and alignment for music retrieval. , 0, , .		53
6	A comparison of human and automatic musical genre classification. , 0, , .		43
7	Musical Instrument Classification Using Individual Partials. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 111-122.	3.2	43
8	Sound analysis using MPEG compressed audio. , 0, , .		36
9	A comparative evaluation of search techniques for query-by-humming using the MUSART testbed. Journal of the Association for Information Science and Technology, 2007, 58, 687-701.	2.6	35
10	Effective use of multimedia for computer-assisted musical instrument tutoring. , 2007, , .		28
11	Beyond Timbral Statistics: Improving Music Classification Using Percussive Patterns and Bass Lines. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1003-1014.	3.2	27
12	The MUSART Testbed for Query-by-Humming Evaluation. Computer Music Journal, 2004, 28, 34-48.	0.1	25
13	MARSYAS-0.2. , 2008, , 31-49.		24
14	Normalized Cuts for Predominant Melodic Source Separation. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 278-290.	3.2	20
15	Evaluating the effectiveness of mixed reality music instrument learning with the theremin. Virtual Reality, 2020, 24, 303-317.	6.1	20
16	Detecting Hand Posture in Piano Playing Using Depth Data. Computer Music Journal, 2019, 43, 59-78.	0.1	18
17	Song-specific bootstrapping of singing voice structure. , 0, , .		16
18	Streamlined Tempo Estimation Based on Autocorrelation and Cross-correlation With Pulses. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1765-1776.	5.8	16

#	ARTICLE	IF	CITATIONS
19	A Scalable Peer-to-Peer System for Music Information Retrieval. Computer Music Journal, 2004, 28, 24-33.	0.1	15
20	Visualization in Audio-Based Music Information Retrieval. Computer Music Journal, 2006, 30, 42-62.	0.1	15
21	Music analysis, retrieval and synthesis of audio signals MARSYAS. , 2009, , .		14
22	Transforming Perceived Vocal Effort and Breathiness Using Adaptive Pre-Emphasis Linear Prediction. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 1087-1096.	3.2	13
23	Audio genre classification using percussive pattern clustering combined with timbral features. , 2009, , .		13
24	Singing Style Investigation by Residual Siamese Convolutional Neural Networks. , 2018, , .		12
25	Multimedia Technologies for Enriched Music Performance, Production, and Consumption. IEEE MultiMedia, 2017, 24, 20-23.	1.7	10
26	Music analysis and retrieval systems for audio signals. Journal of the Association for Information Science and Technology, 2004, 55, 1077-1083.	2.6	9
27	Training Surrogate Sensors in Musical Gesture Acquisition Systems. IEEE Transactions on Multimedia, 2011, 13, 50-59.	7.2	9
28	Improving Music Transcription by Pre-Stacking A U-Net. , 2020, , .		9
29	One Billion Audio Sounds from GPU-Enabled Modular Synthesis. , 2021, , .		9
30	An effective, simple tempo estimation method based on self-similarity and regularity. , 2013, , .		8
31	Using Circular Models to Improve Music Emotion Recognition. IEEE Transactions on Affective Computing, 2021, 12, 666-681.	8.3	8
32	Sound Source Tracking and Formation using Normalized Cuts. , 2007, , .		7
33	Decoding Music in the Human Brain Using EEG Data. , 2018, , .		7
34	Audio-based gender identification using bootstrapping. , 0, , .		6
35	Blending the physical and the virtual in music technology. , 2013, , .		6
36	Document segmentation and classification into musical scores and text. International Journal on Document Analysis and Recognition, 2016, 19, 289-304.	3.4	6

#	ARTICLE	IF	CITATIONS
37	Deep Autotuner: A Pitch Correcting Network for Singing Performances. , 2020, , .		6
38	Musescape: A Tool for Changing Music Collections into Libraries. Lecture Notes in Computer Science, 2003, , 412-421.	1.3	6
39	Spatial Sound Rendering Using Measured Room Impulse Responses. , 2006, , .		5
40	Computer-assisted cantillation and chant research using content-aware web visualization tools. Multimedia Tools and Applications, 2010, 48, 207-224.	3.9	5
41	Instrument identification in polyphonic music signals based on individual partials. , 2010, , .		5
42	Models for Music Analysis From a Markov Logic Networks Perspective. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 19-34.	5.8	5
43	Cooperative abnormal sound event detection in end-edge-cloud orchestrated systems. CCF Transactions on Networking, 2020, 3, 158-170.	1.1	5
44	Content-based retrieval of music in scalable peer-to-peer networks. , 2003, , .		4
45	Natural Human-Computer Interaction with Musical Instruments. Advances in Multimedia and Interactive Technologies Book Series, 2016, , 116-136.	0.2	4
46	LogoRhythms: Introductory Audio Programming for Computer Musicians in a Functional Language Paradigm. , 2006, , .		3
47	Learning Indirect Acquisition of Instrumental Gestures using Direct Sensors. , 2006, , .		3
48	Multimodal Sensor Analysis of Sitar Performance: Where is the Beat?. , 2007, , .		3
49	Incorporating data link messaging into a multi-function display to support the Small Aircraft Transportation System (SATS) and the self-separation of general aviation aircraft. Applied Ergonomics, 2007, 38, 465-471.	3.1	3
50	Chants and Orcas. , 2008, , .		3
51	Audio-visual vibraphone transcription in real time. , 2012, , .		3
52	Exploiting structural relationships in audio music signals using Markov Logic Networks. , 2013, , .		3
53	Guest Editorial: Special Section on &lt;newline/&gt;Music Data Mining. IEEE Transactions on Multimedia, 2014, 16, 1185-1187.	7.2	3
54	Intonation: A Dataset of Quality Vocal Performances Refined by Spectral Clustering on Pitch Congruence. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
55	Polyhedral Compilation for Multi-dimensional Stream Processing. Transactions on Architecture and Code Optimization, 2019, 16, 1-26.	2.0	3
56	Interactive Content-Aware Music Browsing using the Radio Drum. , 2006, , .		2
57	A Comparative Study on Wearable Sensors for Signal Processing on the North Indian Tabla. , 2007, , .		2
58	A Computationally Efficient Scheme for Dominant Harmonic Source Separation. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	2
59	A new method for classification of events in noisy hydrophone data. , 2011, , .		2
60	An Empirical Investigation of Stacking for Music Tag Annotation. , 2011, , .		2
61	Model Specification and Confidence Intervals for Voice Communication. Quality Engineering, 2015, 27, 402-415.	1.1	2
62	Learning-based Cooperative Sound Event Detection with Edge Computing. , 2018, , .		2
63	Discrimination Between Ascending/Descending Pitch Arpeggios. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 2194-2203.	5.8	2
64	A new event detection method for noisy hydrophone data. Applied Acoustics, 2020, 159, 107056.	3.3	2
65	Anssi Klapuri, Manuel Davy, Eds: Signal Processing Methods for Music Transcription. Computer Music Journal, 2008, 32, 86-88.	0.1	1
66	Content-Aware Web Browsing and Visualization Tools for Cantillation and Chant Research. , 2009, , .		1
67	Strategies for orca call retrieval to support collaborative annotation of a large archive. , 2011, , .		1
68	Adaptive N-normalization for enhancing music similarity. , 2011, , .		1
69	STAR: A self tuning auto-monochord robotic instrument. , 2013, , .		1
70	Music Mining. Academic Press Library in Signal Processing, 2014, 1, 1453-1492.	0.8	1
71	Guitar model recognition from single instrument audio recordings. , 2015, , .		1
72	Digital Sensing of Musical Instruments. Springer Handbooks, 2018, , 923-933.	0.6	1

#	ARTICLE	IF	CITATIONS
73	Personalizing self-organizing music spaces with anchors: design and evaluation. Multimedia Tools and Applications, 2018, 77, 5525-5545.	3.9	1
74	TOWARD AN INTELLIGENT EDITOR FOR JAZZ MUSIC. , 2003, , .		1
75	Small Aircraft Transportation System Higher Volume Operations Flight Experiment. Journal of Aircraft, 2006, 43, 1613-1620.	2.4	0
76	Music Information Retrieval Based on Signal Processing. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.7	0
77	Speaker Segmentation of Interviews Using Integrated Video and Audio Change Detectors. , 2007, , .		0
78	Correlation-Based Amplitude Estimation of Coincident Partials in Monaural Musical Signals. Eurasip Journal on Audio, Speech, and Music Processing, 2010, 2010, 1-15.	2.1	0
79	Automatic event detection for long-term monitoring of hydrophone data. , 2011, , .		0
80	Cluster aware normalization for enhancing audio similarity. , 2012, , .		0
81	Sonophenology. Journal on Multimodal User Interfaces, 2012, 5, 123-129.	2.9	0
82	Factors in factorization: Does better audio source separation imply better polyphonic music transcription?. , 2013, , .		0
83	The Wilkembe &#x2014; performer designed lamellophone hyperinstrument for idiomatic musical-DSP interaction. , 2013, , .		0
84	Human and machine annotation in the Orchive, a large scale bioacoustic archive. , 2014, , .		0
85	A comparison of conventional and meta-model based global optimization methods. , 2015, , .		0
86	Histogram-Based Asymmetric Relabeling for Learning from Only Positive and Unlabeled Data. , 2017, , .		0
87	Impact of obesity on presentation of colorectal cancer. Journal of Clinical Oncology, 2005, 23, 3645-3645.	1.6	0
88	Timely access to care for colorectal cancer (CRC): A description and analysis of associated factors. Journal of Clinical Oncology, 2006, 24, 6028-6028.	1.6	0
89	Audio Feature Extraction. , 2009, , 156-156.		0
90	Chapter 26Information Retrieval Support Systems. , 2011, , 383-392.		0

#	ARTICLE	IF	CITATIONS
91	Modeling Grouping Cues for Auditory Scene Analysis Using a Spectral Clustering Formulation. , 0, , 22-60.		0