Igor Vatolkin

List of Publications by Year
in descending order

31	106	1937685	1720034
papers	citations	4	7
		h-index	g-index

33	33	33	71
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-objective evolutionary feature selection for instrument recognition in polyphonic audio mixtures. Soft Computing, 2012, 16, 2027-2047.	3.6	19
2	Multi-objective feature selection in music genre and style recognition tasks. , 2011, , .		17
3	BeatTheBeat music-based procedural content generation in a mobile game. , 2012, , .		9
4	Huge Music Archives on Mobile Devices. IEEE Signal Processing Magazine, 2011, 28, 24-39.	5.6	7
5	Analysis of Structural Complexity Features for Music Genre Recognition. , 2020, , .		5
6	Multi-Objective Evaluation of Music Classification. Studies in Classification, Data Analysis, and Knowledge Organization, 2012, , 401-410.	0.2	5
7	Partition Based Feature Processing for Improved Music Classification. Studies in Classification, Data Analysis, and Knowledge Organization, 2012, , 411-419.	0.2	5
8	Advancements in the Music Information Retrieval Framework AMUSE over the Last Decade. , 2021, , .		4
9	Evolutionary Approximation of Instrumental Texture in Polyphonic Audio Recordings. , 2020, , .		3
10	A Fusion of Deep and Shallow Learning to Predict Genres Based on Instrument and Timbre Features. Lecture Notes in Computer Science, 2021, , 313-326.	1.3	3
11	Multi-Objective Investigation of Six Feature Source Types for Multi-Modal Music Classification. Transactions of the International Society for Music Information Retrieval, 2022, 5, 1-19.	1.5	3
12	An evolutionary multi-objective feature selection approach for detecting music segment boundaries of specific types. , 2021, , .		2
13	Music Genre Prediction by Low-Level and High-Level Characteristics. Studies in Classification, Data Analysis, and Knowledge Organization, 2014, , 427-434.	0.2	2
14	Optimization of Feature Processing Chain in Music Classification by Evolution Strategies. Lecture Notes in Computer Science, 2008, , 1150-1159.	1.3	2
15	Exploration of Two-Objective Scenarios on Supervised Evolutionary Feature Selection: A Survey and a Case Study (Application to Music Categorisation). Lecture Notes in Computer Science, 2015, , 529-543.	1.3	1
16	Generalisation Performance of Western Instrument Recognition Models in Polyphonic Mixtures with Ethnic Samples. Lecture Notes in Computer Science, 2017, , 304-320.	1.3	1
17	Intuitive and efficient computer-aided music rearrangement with optimised processing of audio transitions. Journal of New Music Research, 2018, 47, 416-437.	0.8	1
18	A Multi-objective Evolutionary Approach to Identify Relevant Audio Features for Music Segmentation. Lecture Notes in Computer Science, 2021, , 327-343.	1.3	1

#	Article	IF	Citations
19	Performance of Specific vs. Generic Feature Sets in Polyphonic Music Instrument Recognition. Lecture Notes in Computer Science, 2013, , 587-599.	1.3	1
20	Computational Prediction of High-Level Descriptors of Music Personal Categories. Studies in Classification, Data Analysis, and Knowledge Organization, 2013, , 529-537.	0.2	1
21	A Case Study About the Effort to Classify Music Intervals by Chroma and Spectrum Analysis. Studies in Classification, Data Analysis, and Knowledge Organization, 2013, , 519-528.	0.2	1
22	Statistical Comparison of Classifiers for Multi-objective Feature Selection in Instrument Recognition. Studies in Classification, Data Analysis, and Knowledge Organization, 2014, , 171-178.	0.2	1
23	Interpretability of Music Classification as a Criterion for Evolutionary Multi-objective Feature Selection. Lecture Notes in Computer Science, 2015, , 236-248.	1.3	1
24	Interpretable Music Categorisation Based on Fuzzy Rules and High-Level Audio Features. Studies in Classification, Data Analysis, and Knowledge Organization, 2015, , 423-432.	0.2	1
25	Evolutionary Multi-objective Training Set Selection of Data Instances and Augmentations for Vocal Detection. Lecture Notes in Computer Science, 2019, , 201-216.	1.3	1
26	Software in Music Information Retrieval. Studies in Classification, Data Analysis, and Knowledge Organization, 2012, , 421-432.	0.2	0
27	Piano and Guitar Tone Distinction Based on Extended Feature Analysis. Studies in Classification, Data Analysis, and Knowledge Organization, 2013, , 215-224.	0.2	0
28	Comparing Audio Features and Playlist Statistics for Music Classification. Studies in Classification, Data Analysis, and Knowledge Organization, 2016, , 437-447.	0.2	0
29	Evaluation Rules for Evolutionary Generation of Drum Patterns in Jazz Solos. Lecture Notes in Computer Science, 2017, , 246-261.	1.3	0
30	Comparing Fuzzy Rule Based Approaches for Music Genre Classification. Lecture Notes in Computer Science, 2020, , 35-48.	1.3	0
31	Statistical and Visual Analysis of Audio, Text, and Image Features for Multi-Modal Music Genre Recognition. Entropy, 2021, 23, 1502.	2.2	0