Gerasimos Arvanitis

List of Publications by Year
in descending order

31 papers	203 citations	1306789 7 h-index	1281420 11 g-index
31 all docs	31 docs citations	31 times ranked	127 citing authors

#	Article	IF	Citations
1	Broad-to-Narrow Registration and Identification of 3D Objects in Partially Scanned and Cluttered Point Clouds. IEEE Transactions on Multimedia, 2022, 24, 2230-2245.	5.2	8
2	Fast Mesh Denoising With Data Driven Normal Filtering Using Deep Variational Autoencoders. IEEE Transactions on Industrial Informatics, 2021, 17, 980-990.	7.2	13
3	Robust and Fast 3-D Saliency Mapping for Industrial Modeling Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 1307-1317.	7.2	6
4	Fast Spatio-temporal Compression of Dynamic 3D Meshes. , 2021, , .		3
5	A Saliency Aware CNN-Based 3D Model Simplification and Compression Framework for Remote Inspection of Heritage Sites. IEEE Access, 2020, 8, 169982-170001.	2.6	12
6	Spectral Processing for Denoising and Compression of 3D Meshes Using Dynamic Orthogonal Iterations. Journal of Imaging, 2020, 6, 55.	1.7	2
7	Mesh Saliency Detection Using Convolutional Neural Networks. , 2020, , .		9
8	Image-Based 3D MESH Denoising Through A Block Matching 3D Convolutional Neural Network Filtering Approach. , 2020, , .		3
9	Adaptive representation of dynamic 3D meshes for low-latency applications. Computer Aided Geometric Design, 2019, 73, 70-85.	0.5	5
10	Energy Efficient Transmission of 3D Meshes Over MMWave-Based Massive MIMO Systems. , 2019, , .		1
11	Feature-Aware and Content-wise Denoising of 3D Static and Dynamic Meshes using Deep Autoencoders. , 2019, , .		3
12	Multi-model Short-term Prediction Schema for mHealth Empowering Asthma Self-management. Electronic Notes in Theoretical Computer Science, 2019, 343, 3-17.	0.9	9
13	Signal Processing on Static and Dynamic 3D Meshes: Sparse Representations and Applications. IEEE Access, 2019, 7, 15779-15803.	2.6	10
14	Denoising of dynamic 3D meshes via low-rank spectral analysis. Computers and Graphics, 2019, 82, 140-151.	1.4	3
15	Saliency Mapping for Processing 3D Meshes in Industrial Modeling Applications. , 2019, , .		9
16	Fast mesh denoising with data driven normal filtering using deep autoencoders. , 2019, , .		4
17	Feature Preserving Mesh Denoising Based on Graph Spectral Processing. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 1513-1527.	2.9	29
18	An mHealth System for Monitoring Medication Adherence in Obstructive Respiratory Diseases Using Content Based Audio Classification. IEEE Access, 2018, 6, 11871-11882.	2.6	18

#	Article	IF	Citations
19	3D Mesh Inpainting Using Matrix Completion via Augmented Lagrange Multiplier Method. , 2018, , .		3
20	Outliers Removal of Highly Dense and Unorganized Point Clouds Acquired by Laser Scanners in Urban Environments. , 2018, , .		5
21	3-Class Prediction of Asthma Control Status Using a Gaussian Mixture Model Approach. , 2018, , .		2
22	Feature Aware 3D Mesh Compression Using Robust Principal Component Analysis. , 2018, , .		12
23	Outliers Removal and Consolidation of DYNAMIC Point Cloud. , 2018, , .		5
24	Block based Spectral Processing of Dense 3D Meshes using Orthogonal Iterations. , 2018, , .		3
25	Real-Time Removing of Outliers and Noise in 3D Point Clouds Applied in Robotic Applications. Lecture Notes in Computer Science, 2017, , 11-19.	1.0	7
26	Assessing machine learning algorithms for self-management of asthma. , 2017, , .		9
27	Weighted regularized laplacian interpolation for consolidation of highly-incomplete time varying point clouds. , 2017, , .		4
28	Substance deposition assessment in obstructed pulmonary system through numerical characterization of airflow and inhaled particles attributes. BMC Medical Informatics and Decision Making, 2017, 17, 173.	1.5	3
29	Generation and Authoring of Augmented Reality Terrains Through Real-Time Analysis of Map Images. Lecture Notes in Computer Science, 2017, , 480-491.	1.0	3
30	Online Biometric Identification with Face Analysis in Web Applications. Lecture Notes in Computer Science, 2016, , 515-522.	1.0	0
31	Real-Time Context Aware Audio Augmented Reality. Lecture Notes in Computer Science, 2015, , 333-340.	1.0	0