

Konstantinos Moustakas

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

629
citations

759233

12
h-index

839539

18
g-index

89
all docs

89
docs citations

89
times ranked

455
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.	7.2	8
2	Landing Site Detection for Autonomous Rotor Wing UAVs Using Visual and Structural Information. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, 1.	3.4	6
3	Short-term Glucose Prediction based on Oral Glucose Tolerance Test Values. , 2022, , .		14
4	Machine learning based analysis of stroke lesions on mouse tissue sections. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1463-1477.	4.3	3
5	Laser fabrication and evaluation of holographic intrinsic physical unclonable functions. Scientific Reports, 2022, 12, 2891.	3.3	7
6	Cardiovascular Disease Risk Prediction with Supervised Machine Learning Techniques. , 2022, , .		18
7	Evaluation of anterior cruciate ligament surgical reconstruction through finite element analysis. Scientific Reports, 2022, 12, 8044.	3.3	7
8	Proportional Myoelectric Control in a Virtual Reality Environment. , 2022, , .		0
9	Joint Power and Contrast Shrinking in RGB Images with Exponential Smoothing. , 2022, , .		0
10	COPD Severity Prediction in Elderly with ML Techniques. , 2022, , .		8
11	Fast Mesh Denoising With Data Driven Normal Filtering Using Deep Variational Autoencoders. IEEE Transactions on Industrial Informatics, 2021, 17, 980-990.	11.3	13
12	Robust and Fast 3-D Saliency Mapping for Industrial Modeling Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 1307-1317.	11.3	6
13	cMinMax: A Fast Algorithm to Find the Corners of an N-dimensional Convex Polytope. , 2021, , .		2
14	Real-Time Musculoskeletal Kinematics and Dynamics Analysis Using Marker- and IMU-Based Solutions in Rehabilitation. Sensors, 2021, 21, 1804.	3.8	12
15	Total Knee Replacement: Subject-Specific Modeling, Finite Element Analysis, and Evaluation of Dynamic Activities. Frontiers in Bioengineering and Biotechnology, 2021, 9, 648356.	4.1	16
16	Regularized multi-structural shape modeling of the knee complex based on deep functional maps. Computerized Medical Imaging and Graphics, 2021, 89, 101890.	5.8	2
17	Large-scale ray traced water caustics in real-time using cascaded caustic maps. Computers and Graphics, 2021, 98, 255-267.	2.5	3
18	CNN-based stress and emotion recognition in ambulatory settings. , 2021, , .		7

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19	Long-term Cholesterol Risk Prediction using Machine Learning Techniques in ELSA Database. , 2021, , .		12
20	A Data Quality Assessment Approach in the SmartWork Project's Time-series Data Imputation Paradigm. , 2021, , .		0
21	Fast Spatio-temporal Compression of Dynamic 3D Meshes. , 2021, , .		3
22	Immersive Virtual Reality Experience of Historical Events Using Haptics and Locomotion Simulation. Applied Sciences (Switzerland), 2021, 11, 11613.	2.5	11
23	A Saliency Aware CNN-Based 3D Model Simplification and Compression Framework for Remote Inspection of Heritage Sites. IEEE Access, 2020, 8, 169982-170001.	4.2	12
24	Spectral Processing for Denoising and Compression of 3D Meshes Using Dynamic Orthogonal Iterations. Journal of Imaging, 2020, 6, 55.	3.0	2
25	A Review on Finite Element Modeling and Simulation of the Anterior Cruciate Ligament Reconstruction. Frontiers in Bioengineering and Biotechnology, 2020, 8, 967.	4.1	25
26	Real-Time Prediction of Joint Forces by Motion Capture and Machine Learning. Sensors, 2020, 20, 6933.	3.8	28
27	Biophysics-based simulation of virtual human model interactions in 3D virtual scenes. , 2020, , .		2
28	Mesh Saliency Detection Using Convolutional Neural Networks. , 2020, , .		9
29	Image-Based 3D MESH Denoising Through A Block Matching 3D Convolutional Neural Network Filtering Approach. , 2020, , .		3
30	Effectiveness of myAirCoach: A mHealth Self-Management System in Asthma. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1972-1979.e8.	3.8	42
31	Deep CNN Sparse Coding for Real Time Inhaler Sounds Classification. Sensors, 2020, 20, 2363.	3.8	7
32	AVATREE: An open-source computational modelling framework modelling Anatomically Valid Airway TREE conformations. PLoS ONE, 2020, 15, e0230259.	2.5	7
33	3D Augmented Reality Tangible User Interface using Commodity Hardware. , 2020, , .		3
34	Another day at the Office: Visuohaptic schizophrenia VR simulation. , 2020, , .		1
35	Title is missing!. , 2020, 15, e0230259.		0
36	Title is missing!. , 2020, 15, e0230259.		0

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37	Title is missing!. , 2020, 15, e0230259.		0
38	Title is missing!. , 2020, 15, e0230259.		0
39	Title is missing!. , 2020, 15, e0230259.		0
40	Title is missing!. , 2020, 15, e0230259.		0
41	Adaptive representation of dynamic 3D meshes for low-latency applications. Computer Aided Geometric Design, 2019, 73, 70-85.	1.2	5
42	Energy Efficient Transmission of 3D Meshes Over MMWave-Based Massive MIMO Systems. , 2019, , .		1
43	Feature-Aware and Content-wise Denoising of 3D Static and Dynamic Meshes using Deep Autoencoders. , 2019, , .		3
44	Exploiting Gamification to Improve Eco-driving Behaviour: The GameECAR Approach. Electronic Notes in Theoretical Computer Science, 2019, 343, 103-116.	0.9	18
45	Signal Processing on Static and Dynamic 3D Meshes: Sparse Representations and Applications. IEEE Access, 2019, 7, 15779-15803.	4.2	10
46	Stiffness modulation of redundant musculoskeletal systems. Journal of Biomechanics, 2019, 85, 101-107.	2.1	17
47	Denoising of dynamic 3D meshes via low-rank spectral analysis. Computers and Graphics, 2019, 82, 140-151.	2.5	3
48	Recognition of Breathing Activity and Medication Adherence using LSTM Neural Networks. , 2019, , .		7
49	Saliency Mapping for Processing 3D Meshes in Industrial Modeling Applications. , 2019, , .		9
50	Fast mesh denoising with data driven normal filtering using deep autoencoders. , 2019, , .		4
51	Fluid-structure interaction simulation framework for cerebral aneurysm wall deformation. , 2019, , .		0
52	Coping with missing data in an unobtrusive monitoring system for office workers. , 2019, , .		1
53	Sparse modeling and optimization tools for energy efficient and reliable IoT. , 2019, , .		2
54	Modeling musculoskeletal kinematic and dynamic redundancy using null space projection. PLoS ONE, 2019, 14, e0209171.	2.5	27

#	ARTICLE	IF	CITATIONS
55	Feature Preserving Mesh Denoising Based on Graph Spectral Processing. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 1513-1527.	4.4	29
56	Enhancing an Eco-Driving Gamification Platform Through Wearable and Vehicle Sensor Data Integration. Lecture Notes in Computer Science, 2019, , 344-349.	1.3	1
57	An mHealth System for Monitoring Medication Adherence in Obstructive Respiratory Diseases Using Content Based Audio Classification. IEEE Access, 2018, 6, 11871-11882.	4.2	18
58	3D Mesh Inpainting Using Matrix Completion via Augmented Lagrange Multiplier Method. , 2018, , .		3
59	Uncertainty Management for Wearable IoT Wristband Sensors Using Laplacian-Based Matrix Completion. , 2018, , .		7
60	A Framework for 3D Object Segmentation and Retrieval Using Local Geometric Surface Features. , 2018, , .		1
61	Outliers Removal of Highly Dense and Unorganized Point Clouds Acquired by Laser Scanners in Urban Environments. , 2018, , .		5
62	Feature Aware 3D Mesh Compression Using Robust Principal Component Analysis. , 2018, , .		12
63	Outliers Removal and Consolidation of DYNAMIC Point Cloud. , 2018, , .		5
64	Integrating Brain and Biomechanical Models—A New Paradigm for Understanding Neuro-muscular Control. Frontiers in Neuroscience, 2018, 12, 39.	2.8	8
65	Design of a vision substitution vibrotactile vest for the visually impaired. , 2018, , .		1
66	An information-theoretic treatment of passive haptic media. Multimedia Tools and Applications, 2017, 76, 6189-6208.	3.9	0
67	Adaptive compression of animated meshes by exploiting orthogonal iterations. Visual Computer, 2017, 33, 811-821.	3.5	13
68	Compressed Sensing for Efficient Encoding of Dense 3D Meshes Using Model-Based Bayesian Learning. IEEE Transactions on Multimedia, 2017, 19, 41-53.	7.2	16
69	Assessing machine learning algorithms for self-management of asthma. , 2017, , .		9
70	Weighted regularized laplacian interpolation for consolidation of highly-incomplete time varying point clouds. , 2017, , .		4
71	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.	3.0	3
72	ACL Reconstruction Decision Support. Methods of Information in Medicine, 2016, 55, 98-105.	1.2	18

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73	Monitoring asthma medication adherence through content based audio classification. , 2016, , .		7
74	Border gateway protocol graph: detecting and visualising internet routing anomalies. IET Information Security, 2016, 10, 125-133.	1.7	10
75	Energy Efficient Monitoring of Metered Dose Inhaler Usage. Journal of Medical Systems, 2016, 40, 285.	3.6	5
76	6DoF haptic rendering using distance maps over implicit representations. Multimedia Tools and Applications, 2016, 75, 4543-4557.	3.9	7
77	Sparse coding of dense 3D meshes in mobile cloud applications. , 2015, , .		4
78	Energy efficient telemonitoring of wheezes. , 2015, , .		5
79	A User-Perspective View for Mobile AR Systems Using Discrete Depth Segmentation. , 2015, , .		2
80	An Interactive Augmented Reality Chess Game Using Bare-Hand Pinch Gestures. , 2015, , .		9
81	Virtual Human Behavioural Profile Extraction Using Kinect Based Motion Tracking. , 2014, , .		3
82	A building performance evaluation & visualization system. , 2014, , .		2
83	Haptic media from an information-theoretic perspective. , 2013, , .		1
84	BCPViewer: Using Graph representations to explore BGP routing changes. , 2013, , .		5
85	Systematic Error Analysis for the Enhancement of Biometric Systems Using Soft Biometrics. IEEE Signal Processing Letters, 2012, 19, 833-836.	3.6	5