

Alberto Signoroni

List of Publications by Year in descending order

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47
papers

1,057
citations

516561

16
h-index

454834

30
g-index

49
all docs

49
docs citations

49
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Meets Hyperspectral Image Analysis: A Multidisciplinary Review. Journal of Imaging, 2019, 5, 52.	1.7	190
2	Bacterial colony counting with Convolutional Neural Networks in Digital Microbiology Imaging. Pattern Recognition, 2017, 61, 629-640.	5.1	116
3	A Critical Analysis of a Hand Orthosis Reverse Engineering and 3D Printing Process. Applied Bionics and Biomechanics, 2016, 2016, 1-7.	0.5	94
4	BS-Net: Learning COVID-19 pneumonia severity on a large chest X-ray dataset. Medical Image Analysis, 2021, 71, 102046.	7.0	87
5	State-of-the-Art and Trends in Scalable Video Compression With Wavelet-Based Approaches. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1238-1255.	5.6	76
6	3D scanning and geometry processing techniques for customised hand orthotics: an experimental assessment. Virtual and Physical Prototyping, 2018, 13, 105-116.	5.3	32
7	CEREBRUM: a fast and fully-volumetric Convolutional Encoder-decodeR for weakly-supervised sEgmentation of BRain strUctures from out-of-the-scanner MRI. Medical Image Analysis, 2020, 62, 101688.	7.0	30
8	Hyperspectral image analysis for rapid and accurate discrimination of bacterial infections: A benchmark study. Computers in Biology and Medicine, 2017, 88, 60-71.	3.9	27
9	Concept and Design of a 3D Printed Support to Assist Hand Scanning for the Realization of Customized Orthosis. Applied Bionics and Biomechanics, 2017, 2017, 1-8.	0.5	25
10	Attitude towards Telemonitoring in Orthodontists and Orthodontic Patients. Dentistry Journal, 2021, 9, 47.	0.9	25
11	Effects of remote digital monitoring on oral hygiene of orthodontic patients: a prospective study. BMC Oral Health, 2021, 21, 435.	0.8	24
12	Poisson-driven seamless completion of triangular meshes. Computer Aided Geometric Design, 2015, 35-36, 42-55.	0.5	22
13	Bacterial colony counting by Convolutional Neural Networks. , 2015, 2015, 7458-61.		21
14	Automatic hemolysis identification on aligned dual-lighting images of cultured blood agar plates. Computer Methods and Programs in Biomedicine, 2018, 156, 13-24.	2.6	21
15	Mesh Denoising with (Geo)Metric Fidelity. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2380-2396.	2.9	20
16	Deformable registration using patch-wise shape matching. Graphical Models, 2014, 76, 554-565.	1.1	19
17	On the application of optical forward-scattering to bacterial identification in an automated clinical analysis perspective. Biosensors and Bioelectronics, 2015, 68, 536-543.	5.3	18
18	Shot Scale Analysis in Movies by Convolutional Neural Networks. , 2018, , .		18

#	ARTICLE	IF	CITATIONS
19	Automatic classification of mice vocalizations using Machine Learning techniques and Convolutional Neural Networks. PLoS ONE, 2021, 16, e0244636.	1.1	16
20	On the Influence of Shot Scale on Film Mood and Narrative Engagement in Film Viewers. IEEE Transactions on Affective Computing, 2022, 13, 592-603.	5.7	15
21	Multistage classification for bacterial colonies recognition on solid agar images. , 2014, , .		14
22	Transfer learning of deep neural network representations for fMRI decoding. Journal of Neuroscience Methods, 2019, 328, 108319.	1.3	14
23	CNN-Based Identification of Hyperspectral Bacterial Signatures for Digital Microbiology. Lecture Notes in Computer Science, 2017, , 500-510.	1.0	13
24	Combining the use of CNN classification and strength-driven compression for the robust identification of bacterial species on hyperspectral culture plate images. IET Computer Vision, 2018, 12, 941-949.	1.3	13
25	Advancing mesh completion for digital modeling and manufacturing. Computer Aided Geometric Design, 2018, 62, 73-90.	0.5	10
26	An Enhanced 'Optimization-on-a-Manifold' Framework for Global Registration of 3D Range Data. , 2011, , .		9
27	Hyperspectral image acquisition and analysis of cultured bacteria for the discrimination of urinary tract infections. , 2015, 2015, 759-62.		9
28	CineScale: A dataset of cinematic shot scale in movies. Data in Brief, 2021, 36, 107002.	0.5	9
29	Multi-view alignment with database of features for an improved usage of high-end 3D scanners. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	8
30	An Integer Linear Programming Model for View Selection on Overlapping Camera Clusters. , 2014, , .		8
31	Who is the Film's Director? Authorship Recognition Based on Shot Features. IEEE MultiMedia, 2019, 26, 43-54.	1.5	8
32	Spatial-Spectral Evidence of Glare Influence on Hyperspectral Acquisitions. Sensors, 2020, 20, 4374.	2.1	7
33	A robust pipeline for rapid feature-based pre-alignment of dense range scans. , 2011, , .		5
34	Cross-domain assessment of deep learning-based alignment solutions for real-time 3D reconstruction. Computers and Graphics, 2021, 99, 54-69.	1.4	5
35	DenseMatch: a dataset for real-time 3D reconstruction. Data in Brief, 2021, 39, 107476.	0.5	5
36	Cyclostationary error analysis and filter properties in a 3D wavelet coding framework. Signal Processing: Image Communication, 2006, 21, 653-675.	1.8	4

#	ARTICLE	IF	CITATIONS
37	Global registration of large collections of range images with an improved Optimization-on-a-Manifold approach. Image and Vision Computing, 2014, 32, 437-451.	2.7	4
38	Enabling solutions for an efficient compression of PET-CT datasets. , 2009, , .		3
39	3D-PMDC: A parallelized morphological wavelet codec for 3D medical datasets and teleradiology applications. , 2011, , .		3
40	A study on quality level reproducibility for the usability of irreversible compression in radiological imaging. , 2011, , .		2
41	β -Hemolysis Detection on Cultured Blood Agar Plates by Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 30-38.	1.0	2
42	A comparison of state-of-the-art technologies for irreversible compression of large medical datasets. , 2012, , .		1
43	On-the-fly automatic alignment and global registration of free-path collected 3D scans. , 2013, , .		1
44	Introduction of the TCSVT Associate Editors. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 167-171.	5.6	0
45	Boosting the Computational Performance of Feature-Based Multiple 3D Scan Alignment by l_1 - l_2 -means Clustering. , 2012, , .		0
46	A free Web API for single and multi-document summarization. , 2017, , .		0
47	Development of a cadaveric head and neck cancer model and three-dimensional analysis of margins in surgical navigation-aided ablations. European Journal of Surgical Oncology, 2021, , .	0.5	0