Murray Loew

List of Publications by Year in descending order

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Version: 2024-02-01

38 papers	835 citations	932766 10 h-index	525886 27 g-index
39 all docs	39 docs citations	39 times ranked	809 citing authors

#	Article	IF	Citations
1	Unsupervised domain adaptation based COVID-19 CT infection segmentation network. Applied Intelligence, 2022, 52, 6340-6353.	3.3	21
2	Common functional connectivity alterations in focal epilepsies identified by machine learning. Epilepsia, 2022, 63, 629-640.	2.6	10
3	Glass at risk: A new approach for the study of 19th century vessel glass. Journal of Cultural Heritage, 2022, 54, 155-166.	1.5	3
4	A novel intrinsic measure of data separability. Applied Intelligence, 2022, 52, 17734-17750.	3.3	2
5	Trends in guideline-adherent chemoradiation therapy for locally advanced cervical cancer before and after the affordable care act. Gynecologic Oncology, 2022, 166, 165-172.	0.6	1
6	COVID-19 CT Image Synthesis With a Conditional Generative Adversarial Network. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 441-452.	3.9	104
7	Prediction of histologic grade and type of small (< 4 cm) papillary renal cell carcinomas using texture and neural network analysis: a feasibility study. Abdominal Radiology, 2021, 46, 4266-4277.	1.0	3
8	PP02 Presentation Time: 10:10 AM. Brachytherapy, 2021, 20, S9-S10.	0.2	0
9	A novel measure to evaluate generative adversarial networks based on direct analysis of generated images. Neural Computing and Applications, 2021, 33, 13921-13936.	3.2	7
10	Deep Clustering for Improved Inter-Cluster Separability and Intra-Cluster Homogeneity with Cohesive Loss. IEICE Transactions on Information and Systems, 2021, E104.D, 776-780.	0.4	0
11	Adverse events of after-loading high dose rate brachytherapy reported to the United States Food and Drug Administration (FDA). Brachytherapy, 2021, 20, 1053-1061.	0.2	1
12	CFPNET: Channel-Wise Feature Pyramid For Real-Time Semantic Segmentation. , 2021, , .		33
13	Application of fiber optic reflectance spectroscopy for the detection of historical glass deterioration. Journal of the American Ceramic Society, 2020, 103, 158-166.	1.9	8
14	Texture analysis and machine learning algorithms accurately predict histologic grade in small (<â€‰4Âcm) clear cell renal cell carcinomas: a pilot study. Abdominal Radiology, 2020, 45, 789-798.	1.0	17
15	Machine Learning Detects Pattern of Differences in Functional Magnetic Resonance Imaging (fMRI) Data between Chronic Fatigue Syndrome (CFS) and Gulf War Illness (GWI). Brain Sciences, 2020, 10, 456.	1.1	8
16	Nineteenth century glass manufacture and its effect on photographic glass stability. Journal of the Institute of Conservation, 2020, 43, 125-141.	0.2	3
17	Automatic detection of simulated motion blur in mammograms. Medical Physics, 2020, 47, 1786-1795.	1.6	4
18	Analysis of Generalizability of Deep Neural Networks Based on the Complexity of Decision Boundary. , 2020, , .		8

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19	An Internal Cluster Validity Index Using a Distance-based Separability Measure. , 2020, , .		5
20	Evaluation of Generative Adversarial Network Performance Based on Direct Analysis of Generated Images. , 2019, , .		8
21	Breast cancer detection using synthetic mammograms from generative adversarial networks in convolutional neural networks. Journal of Medical Imaging, 2019, 6, 1.	0.8	63
22	Use of Microscopy and Microanalysis in Assessing Kinetics of Degradation in 19th-century Heritage Glasses. Microscopy and Microanalysis, 2018, 24, 2138-2139.	0.2	3
23	Optimization of wavelength selection for multispectral image acquisition: a case study of atrial ablation lesions. Biomedical Optics Express, 2018, 9, 2189.	1.5	8
24	Use of infrared hyperspectral imaging (960â€“1680 nm) and low energy x-radiography to visualize watermarks. , 2018, , .		5
25	Application of unsupervised learning to hyperspectral imaging of cardiac ablation lesions. Journal of Medical Imaging, 2018, 5, 1.	0.8	7
26	Standoff chemical imaging finds evidence for Jackson Pollock's selective use of alkyd and oil binding media in a famous â€˜dripâ€™ painting. Analytical Methods, 2017, 9, 28-37.	1.3	23
27	Breast Cancer Detection Using Transfer Learning in Convolutional Neural Networks. , 2017, , .		44
28	Hierarchical temporal and spatial memory for gait pattern recognition. , 2016, , .		0
29	Hybrid Retinal Image Registration Using Mutual Information and Salient Features. IEICE Transactions on Information and Systems, 2016, E99.D, 1729-1732.	0.4	1
30	Automatic registration and mosaicking of technical images of Old Master paintings. Applied Physics A: Materials Science and Processing, 2015, 119, 1567-1575.	1.1	53
31	Mapping of egg yolk and animal skin glue paint binders in Early Renaissance paintings using near infrared reflectance imaging spectroscopy. Analyst, The, 2013, 138, 4838.	1.7	117
32	Near Infrared Reflectance Imaging Spectroscopy to Map Paint Binders In Situ on Illuminated Manuscripts. Angewandte Chemie - International Edition, 2012, 51, 5607-5610.	7.2	90
33	Classification of mixed-radiation fields using the vector representation of thermoluminescent glow curves. Radiation Measurements, 2008, 43, 410-413.	0.7	8
34	Direct magnetic resonance detection of neuronal electrical activity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16015-16020.	3.3	92
35	Differential oblique angle spectroscopy of the oral epithelium. Journal of Biomedical Optics, 2004, 9, 951.	1.4	6
36	A comparison of the wavelet and short-time fourier transforms for Doppler spectral analysis. Medical Engineering and Physics, 2003, 25, 547-557.	0.8	61

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37	Quantitative assessment of in vitro jets based on three-dimensional color Doppler reconstruction. Ultrasound in Medicine and Biology, 2001, 27, 235-243.	0.7	4
38	A Virtual Instrument for Acquisition and Analysis of the Phonocardiogram and Its Internet-Based Application. Telemedicine Journal and E-Health, 2001, 7, 333-339.	1.6	4