Vania Vieira Estrela

List of Publications by Year
in descending order

86 papers	4,084 citations	758635 12 h-index	205818 48 g-index
104 all docs	104 docs citations	104 times ranked	3086 citing authors

#	Article	IF	Citations
1	Snakes, shapes, and gradient vector flow. IEEE Transactions on Image Processing, 1998, 7, 359-369.	6.0	3,292
2	Computer-aided Diagnosis of Skin Cancer: A Review. Current Medical Imaging, 2020, 16, 781-793.	0.4	82
3	Learning parameterized models of image motion. , 0, , .		81
4	Health 4.0: Applications, Management, Technologies and Review. Medical Technologies Journal, 2019, 2, 262-276.	0.5	40
5	The DCT-CNN-ResNet50 architecture to classify brain tumors with super-resolution, convolutional neural network, and the ResNet50. Neuroscience Informatics, 2021, 1, 100013.	2.8	34
6	Entropy-Based Breast Cancer Detection in Digital Mammograms Using World Cup Optimization Algorithm. International Journal of Swarm Intelligence Research, 2020, 11, 1-18.	0.5	33
7	Emergency Response Cyber-Physical Framework for Landslide Avoidance with Sustainable Electronics â€. Technologies, 2018, 6, 42.	3.0	28
8	SPRINT: A new parallel framework for R. BMC Bioinformatics, 2008, 9, 558.	1.2	25
9	A blockchain security module for brain-computer interface (BCI) with Multimedia Life Cycle Framework (MLCF). Neuroscience Informatics, 2022, 2, 100030.	2.8	24
10	A Study on Metaheuristic-Based Neural Networks for Image Segmentation Purposes. , 2019, , 25-49.		22
11	Local feature extraction for video copy detection in a database. , 2008, , .		19
12	Content-Based Image Retrieval (CBIR) in Remote Clinical Diagnosis and Healthcare. , 2016, , 495-520.		16
13	A New Design for Robust Control of Power System Stabilizer Based on Moth Search Algorithm. Lecture Notes in Electrical Engineering, 2021, , 187-202.	0.3	15
14	EM-Based Mixture Models Applied to Video Event Detection. , 0, , .		15
15	Why Software-Defined Radio (SDR) Matters in Healthcare?. Medical Technologies Journal, 2019, 3, 421-429.	0.5	14
16	Betterment Proposal to Multipath Fading Channels Potential to MIMO Systems. Smart Innovation, Systems and Technologies, 2019, , 115-130.	0.5	12
17	Skin Color Segmentation Based on Artificial Neural Network Improved by a Modified Grasshopper Optimization Algorithm. Lecture Notes in Electrical Engineering, 2021, , 169-185.	0.3	12
18	Sub-pixel accuracy edge fitting by means of B-spline. , 2009, , .		10

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19	A Comparative Study Between Methodologies Based on the Hough Transform and Watershed Transform on the Blood Cell Count. Smart Innovation, Systems and Technologies, 2019, , 65-78.	0.5	10
20	State-of-the Art Motion Estimation in the Context of 3D TV. , 2013, , 148-173.		10
21	<title>Spatially adaptive regularized pel-recursive motion estimation based on the EM algorithm</title>. , 2000, 3974, 372.		9
22	A lagrangean decomposition for the maximum independent set problem applied to map labeling. Operational Research, 2011, 11, 229-243.	1.3	9
23	On improving sub-pixel accuracy by means of B-spline. , 2014, , .		9
24	Emergency Response Cyber-Physical System for Flood Prevention with Sustainable Electronics. , 2019, , 319-328.		9
25	Using Transmedia Approaches in STEM. , 2020, , .		9
26	Total Variation Applications in Computer Vision. Advances in Computational Intelligence and Robotics Book Series, 2016, , 41-64.	0.4	9
27	A Proposal Based on Discrete Events for Improvement of the Transmission Channels in Cloud Environments and Big Data. , 2020, , 185-204.		8
28	Spatially-adaptive regularized pel-recursive motion estimation based on cross-validation. , 0, , .		7
29	Error concealment by means of clustered blockwise PCA. , 2009, , .		7
30	Speed Control of a DC Motor Using PID Controller Based on Improved Whale Optimization Algorithm. Lecture Notes in Electrical Engineering, 2021, , 153-167.	0.3	7
31	Potential model for improvement of the data transmission in healthcare systems. , 2019, , .		7
32	A Survey of Potatoes Image Segmentation Based on Machine Vision. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 1-38.	0.3	7
33	Error Concealment by Means of Motion Refinement and Regularized Bregman Divergence. Lecture Notes in Computer Science, 2012, , 650-657.	1.0	6
34	Image transmission in UAV MIMO UWB-OSTBC system over Rayleigh channel using multiple description coding (MDC). , 2020, , 67-90.		6
35	On the Use of Motion Vectors for 2D and 3D Error Concealment in H.264/AVC Video. Advances in Multimedia and Interactive Technologies Book Series, 2017, , 164-186.	0.1	6
36	A COMPACT SIFT-BASED STRATEGY FOR VISUAL INFORMATION RETRIEVAL IN LARGE IMAGE DATABASES. Medical Technologies Journal, 2019, 3, 402-412.	0.5	6

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37	Regularized pel-recursive motion estimation using generalized cross-validation and spatial adaptation. , 0, , .		5
38	A Solution for Dubins Path Problem with Uncertainties Using World Cup Optimization and Chebyshev Polynomials. Smart Innovation, Systems and Technologies, 2019, , 45-54.	0.5	5
39	World Cup Optimization Algorithm: Application for Optimal Control of Pitch Angle in Hybrid Renewable PV/Wind Energy System. Lecture Notes in Electrical Engineering, 2021, , 25-47.	0.3	5
40	Quality of experience (QoE) and quality of service (QoS) in UAV systems. , 2020, , 215-245.		5
41	Some Thoughts on Transmedia Communication. Oriental Journal of Computer Science and Technology, 2018, 11, 183-187.	0.6	5
42	A Study on the Effect of Regularization Matrices in Motion Estimation. International Journal of Computer Applications, 2012, 51, 17-24.	0.2	4
43	Development of a Kernel: A Deeper Look at the Architecture of an Operating System. Smart Innovation, Systems and Technologies, 2019, , 103-114.	0.5	4
44	Multispectral vs hyperspectral imaging for unmanned aerial vehicles: current and prospective state of affairs. , 2020, , 133-155.		4
45	Optical Flow Estimation Using Total Least Squares Variants. Oriental Journal of Computer Science and Technology, 2017, 10, 563-579.	0.6	4
46	Nondestructive Diagnosis and Analysis of Computed Microtomography Images via Texture Descriptors. , 2021, , 249-261.		4
47	Adaptive mixed norm optical flow estimation. , 2005, , .		3
48	Transmedia Ecosystems, Quality of Experience and Quality of Service in Fog Computing for Comfortable Learning. , 2021, , .		3
49	Introduction to Computational Intelligence and Super-Resolution. , 2021, , 3-23.		3
50	An Introduction to Data Mining Applied to Health-Oriented Databases. Oriental Journal of Computer Science and Technology, 2016, 9, 177-185.	0.6	3
51	Super resolution and recognition of unconstrained ear image. International Journal of Biometrics, 2020, 12, 396.	0.3	3
52	Explainer: An interactive Agent for Explaining the Diagnosis of Cardiac Arrhythmia Generated by IK-DCBRC. Medical Technologies Journal, 2019, 3, 376-394.	0.5	3
53	Adhesives with different pHs: effect on the MTBS of chemically activated and light-activated composites to human dentin. Journal of Applied Oral Science, 2007, 15, 265-269.	0.7	2
54	Estimating motion with principal component regression strategies. , 2009, , .		2

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55	Emergency Response Cyber-Physical System for Disaster Prevention with Sustainable Electronics. , 2017, , .		2
56	Digital Garbage Bin Monitoring System (DGBMS). Smart Innovation, Systems and Technologies, 2021, , 488-497.	0.5	2
57	Modelling and simulation of UAV systems. , 2020, , 101-121.		2
58	SDR-Based High-Definition Video Transmission for Biomedical Engineering. Medical Technologies Journal, 2020, 4, 584-585.	0.5	2
59	Open-source software (OSS) and hardware (OSH) in UAVs. , 2020, , 49-66.		2
60	Using Metaheuristics in Discrete-Event Simulation. Lecture Notes in Electrical Engineering, 2021, , 275-292.	0.3	2
61	Metaheuristics Applied to Blood Image Analysis. Lecture Notes in Electrical Engineering, 2021, , 117-135.	0.3	2
62	Building Bridges and Remediating Illiteracy: How Intergenerational Cooperation Foster Better Engineering Professionals. , 2021, , 29-39.		2
63	Blind signal separation and identification of mixtures of images. , 2009, , .		1
64	Methodology for Optimization of Polymer Blends Composition. , 0, , .		1
65	IEEE Access Special Section Editorial: Soft Computing Techniques for Image Analysis in the Medical Industry - Current Trends, Challenges and Solutions. IEEE Access, 2018, 6, 39487-39489.	2.6	1
66	A Computational Intelligence Perspective on Multimodal Image Registration for Unmanned Aerial Vehicles (UAVs). Lecture Notes in Electrical Engineering, 2021, , 251-274.	0.3	1
67	A Multi-criteria Modelling for Ranking CO2 Emitting G20 Countries from the Kaya Identity and Their Impacts on Elderly Health. Smart Innovation, Systems and Technologies, 2021, , 477-487.	0.5	1
68	Stability Analysis of the Interval Systems Based on Linear Matrix Inequalities. Smart Innovation, Systems and Technologies, 2019, , 371-378.	0.5	1
69	Integrated optical flow for situation awareness, detection and avoidance systems in UAV systems. , 2020, , 47-74.		1
70	Motion Detection Applied To Microtectonics Modellig. International Journal on Computational Science & Applications, 2014, 4, 47-56.	0.4	1
71	Blade Runner 2049 and the Quest for Industry 4.0. Oriental Journal of Computer Science and Technology, 2017, 10, 708-709.	0.6	1
72	Total Variation Applications in Computer Vision. , 2018, , 543-570.		1

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73	A Model for Medical Staff Idleness Minimization. Smart Innovation, Systems and Technologies, 2019, , 633-645.	0.5	1
74	DICOMâ€™s Standardization in Histo-Pathology. Medical Technologies Journal, 2020, 4, 578-579.	0.5	1
75	Content-Based Image Retrieval (CBIR) in Big Histological Image Databases. Medical Technologies Journal, 2020, 4, 581-582.	0.5	1
76	On the Use of Motion Vectors for 2D and 3D Error Concealment in H.264/AVC Video. , 2021, , 765-787.		0
77	MPPT-PWM - A Maximum Power Point Tracking (MPPT) Strategy Using Variable Speed Wind Turbines (VSWTs). Smart Innovation, Systems and Technologies, 2021, , 1016-1026.	0.5	0
78	Report on the International Congress on Health Sciences and Medical Technologies. Medical Technologies Journal, 2019, 3, 418-419.	0.5	0
79	Applied Medical Informatics in the Detection and Counting of Erythrocytes and Leukocytes RHMF the Image Segmentation Algorithm. Set International Journal of Broadcast Engineering, 2019, 2019, 99-106.	0.2	0
80	Reduction AWGN from Digital Images Using a New Local Optimal Low-Rank Approximation Method. Smart Innovation, Systems and Technologies, 2021, , 45-67.	0.5	0
81	An Interval Insight to Adomian Decomposition Method for Ordinary Differential Systems by Considering Uncertain Coefficients with Chebyshev Polynomials. Smart Innovation, Systems and Technologies, 2021, , 245-257.	0.5	0
82	Biomedical Cyber-Physical Systems in the Light of Database as a Service (DBaaS) Paradigm. Medical Technologies Journal, 2020, 4, 577-577.	0.5	0
83	Super resolution and recognition of unconstrained ear image. International Journal of Biometrics, 2020, 12, 396.	0.3	0
84	Vision in micro-aerial vehicles. , 2020, , 173-216.		0
85	UAV-CPSs as a test bed for new technologies and a primer to Industry 5.0. , 2020, , 1-22.		0
86	Motion Estimation Role in the Context of 3D Video. International Journal of Multimedia Data Engineering and Management, 2022, 12, 16-38.	0.3	0