

Vania Vieira Estrela

List of Publications by Year in descending order

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Version: 2024-02-01

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 | A blockchain security module for brain-computer interface (BCI) with Multimedia Life Cycle Framework (MLCF). <i>Neuroscience Informatics</i> , 2022, 2, 100030. | 2.8 | 24 |
| 2 | Motion Estimation Role in the Context of 3D Video. <i>International Journal of Multimedia Data Engineering and Management</i> , 2022, 12, 16-38. | 0.3 | 0 |
| 3 | A Computational Intelligence Perspective on Multimodal Image Registration for Unmanned Aerial Vehicles (UAVs). <i>Lecture Notes in Electrical Engineering</i> , 2021, , 251-274. | 0.3 | 1 |
| 4 | On the Use of Motion Vectors for 2D and 3D Error Concealment in H.264/AVC Video. , 2021, , 765-787. | | 0 |
| 5 | MPPT-PWM - A Maximum Power Point Tracking (MPPT) Strategy Using Variable Speed Wind Turbines (VSWTs). <i>Smart Innovation, Systems and Technologies</i> , 2021, , 1016-1026. | 0.5 | 0 |
| 6 | Transmedia Ecosystems, Quality of Experience and Quality of Service in Fog Computing for Comfortable Learning. , 2021, , . | | 3 |
| 7 | The DCT-CNN-ResNet50 architecture to classify brain tumors with super-resolution, convolutional neural network, and the ResNet50. <i>Neuroscience Informatics</i> , 2021, 1, 100013. | 2.8 | 34 |
| 8 | Introduction to Computational Intelligence and Super-Resolution. , 2021, , 3-23. | | 3 |
| 9 | A Multi-criteria Modelling for Ranking CO2 Emitting G20 Countries from the Kaya Identity and Their Impacts on Elderly Health. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 477-487. | 0.5 | 1 |
| 10 | Digital Garbage Bin Monitoring System (DGBMS). <i>Smart Innovation, Systems and Technologies</i> , 2021, , 488-497. | 0.5 | 2 |
| 11 | A New Design for Robust Control of Power System Stabilizer Based on Moth Search Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 187-202. | 0.3 | 15 |
| 12 | World Cup Optimization Algorithm: Application for Optimal Control of Pitch Angle in Hybrid Renewable PV/Wind Energy System. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 25-47. | 0.3 | 5 |
| 13 | Speed Control of a DC Motor Using PID Controller Based on Improved Whale Optimization Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 153-167. | 0.3 | 7 |
| 14 | Reduction AWGN from Digital Images Using a New Local Optimal Low-Rank Approximation Method. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 45-67. | 0.5 | 0 |
| 15 | An Interval Insight to Adomian Decomposition Method for Ordinary Differential Systems by Considering Uncertain Coefficients with Chebyshev Polynomials. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 245-257. | 0.5 | 0 |
| 16 | Using Metaheuristics in Discrete-Event Simulation. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 275-292. | 0.3 | 2 |
| 17 | Metaheuristics Applied to Blood Image Analysis. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 117-135. | 0.3 | 2 |
| 18 | Skin Color Segmentation Based on Artificial Neural Network Improved by a Modified Grasshopper Optimization Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 169-185. | 0.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Nondestructive Diagnosis and Analysis of Computed Microtomography Images via Texture Descriptors. , 2021, , 249-261. | | 4 |
| 20 | Building Bridges and Remediating Illiteracy: How Intergenerational Cooperation Foster Better Engineering Professionals. , 2021, , 29-39. | | 2 |
| 21 | Using Transmedia Approaches in STEM. , 2020, , . | | 9 |
| 22 | 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 |
| 23 | Integrated optical flow for situation awareness, detection and avoidance systems in UAV systems. , 2020, , 47-74. | | 1 |
| 24 | Quality of experience (QoE) and quality of service (QoS) in UAV systems. , 2020, , 215-245. | | 5 |
| 25 | Image transmission in UAV MIMO UWB-OSTBC system over Rayleigh channel using multiple description coding (MDC). , 2020, , 67-90. | | 6 |
| 26 | Multispectral vs hyperspectral imaging for unmanned aerial vehicles: current and prospective state of affairs. , 2020, , 133-155. | | 4 |
| 27 | A Proposal Based on Discrete Events for Improvement of the Transmission Channels in Cloud Environments and Big Data. , 2020, , 185-204. | | 8 |
| 28 | Super resolution and recognition of unconstrained ear image. International Journal of Biometrics, 2020, 12, 396. | 0.3 | 3 |
| 29 | Computer-aided Diagnosis of Skin Cancer: A Review. Current Medical Imaging, 2020, 16, 781-793. | 0.4 | 82 |
| 30 | Modelling and simulation of UAV systems. , 2020, , 101-121. | | 2 |
| 31 | DICOM™s Standardization in Histo-Pathology. Medical Technologies Journal, 2020, 4, 578-579. | 0.5 | 1 |
| 32 | SDR-Based High-Definition Video Transmission for Biomedical Engineering. Medical Technologies Journal, 2020, 4, 584-585. | 0.5 | 2 |
| 33 | Content-Based Image Retrieval (CBIR) in Big Histological Image Databases. Medical Technologies Journal, 2020, 4, 581-582. | 0.5 | 1 |
| 34 | Biomedical Cyber-Physical Systems in the Light of Database as a Service (DBaaS) Paradigm. Medical Technologies Journal, 2020, 4, 577-577. | 0.5 | 0 |
| 35 | Super resolution and recognition of unconstrained ear image. International Journal of Biometrics, 2020, 12, 396. | 0.3 | 0 |
| 36 | Vision in micro-aerial vehicles. , 2020, , 173-216. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Open-source software (OSS) and hardware (OSH) in UAVs. , 2020, , 49-66. | | 2 |
| 38 | UAV-CPSs as a test bed for new technologies and a primer to Industry 5.0. , 2020, , 1-22. | | 0 |
| 39 | Emergency Response Cyber-Physical System for Flood Prevention with Sustainable Electronics. , 2019, , 319-328. | | 9 |
| 40 | 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 |
| 41 | Betterment Proposal to Multipath Fading Channels Potential to MIMO Systems. Smart Innovation, Systems and Technologies, 2019, , 115-130. | 0.5 | 12 |
| 42 | Stability Analysis of the Interval Systems Based on Linear Matrix Inequalities. Smart Innovation, Systems and Technologies, 2019, , 371-378. | 0.5 | 1 |
| 43 | 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 |
| 44 | 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 |
| 45 | A Study on Metaheuristic-Based Neural Networks for Image Segmentation Purposes. , 2019, , 25-49. | | 22 |
| 46 | Health 4.0: Applications, Management, Technologies and Review. Medical Technologies Journal, 2019, 2, 262-276. | 0.5 | 40 |
| 47 | Why Software-Defined Radio (SDR) Matters in Healthcare?. Medical Technologies Journal, 2019, 3, 421-429. | 0.5 | 14 |
| 48 | Potential model for improvement of the data transmission in healthcare systems. , 2019, , . | | 7 |
| 49 | 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 |
| 50 | A Model for Medical Staff Idleness Minimization. Smart Innovation, Systems and Technologies, 2019, , 633-645. | 0.5 | 1 |
| 51 | 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 |
| 52 | Report on the International Congress on Health Sciences and Medical Technologies. Medical Technologies Journal, 2019, 3, 418-419. | 0.5 | 0 |
| 53 | A COMPACT SIFT-BASED STRATEGY FOR VISUAL INFORMATION RETRIEVAL IN LARGE IMAGE DATABASES. Medical Technologies Journal, 2019, 3, 402-412. | 0.5 | 6 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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 |
| 56 | Emergency Response Cyber-Physical Framework for Landslide Avoidance with Sustainable Electronics. IEEE Access, 2018, 6, 42. | 3.0 | 28 |
| 57 | Total Variation Applications in Computer Vision. , 2018, , 543-570. | | 1 |
| 58 | Some Thoughts on Transmedia Communication. Oriental Journal of Computer Science and Technology, 2018, 11, 183-187. | 0.6 | 5 |
| 59 | Emergency Response Cyber-Physical System for Disaster Prevention with Sustainable Electronics. , 2017, , . | | 2 |
| 60 | Optical Flow Estimation Using Total Least Squares Variants. Oriental Journal of Computer Science and Technology, 2017, 10, 563-579. | 0.6 | 4 |
| 61 | 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 |
| 62 | Blade Runner 2049 and the Quest for Industry 4.0. Oriental Journal of Computer Science and Technology, 2017, 10, 708-709. | 0.6 | 1 |
| 63 | An Introduction to Data Mining Applied to Health-Oriented Databases. Oriental Journal of Computer Science and Technology, 2016, 9, 177-185. | 0.6 | 3 |
| 64 | Total Variation Applications in Computer Vision. Advances in Computational Intelligence and Robotics Book Series, 2016, , 41-64. | 0.4 | 9 |
| 65 | Content-Based Image Retrieval (CBIR) in Remote Clinical Diagnosis and Healthcare. , 2016, , 495-520. | | 16 |
| 66 | On improving sub-pixel accuracy by means of B-spline. , 2014, , . | | 9 |
| 67 | Motion Detection Applied To Microtectonics Modelling. International Journal on Computational Science & Applications, 2014, 4, 47-56. | 0.4 | 1 |
| 68 | State-of-the Art Motion Estimation in the Context of 3D TV. , 2013, , 148-173. | | 10 |
| 69 | A Study on the Effect of Regularization Matrices in Motion Estimation. International Journal of Computer Applications, 2012, 51, 17-24. | 0.2 | 4 |
| 70 | Error Concealment by Means of Motion Refinement and Regularized Bregman Divergence. Lecture Notes in Computer Science, 2012, , 650-657. | 1.0 | 6 |
| 71 | A lagrangean decomposition for the maximum independent set problem applied to map labeling. Operational Research, 2011, 11, 229-243. | 1.3 | 9 |
| 72 | Blind signal separation and identification of mixtures of images. , 2009, , . | | 1 |

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| 73 | Estimating motion with principal component regression strategies. , 2009, , . | | 2 |
| 74 | Sub-pixel accuracy edge fitting by means of B-spline. , 2009, , . | | 10 |
| 75 | Error concealment by means of clustered blockwise PCA. , 2009, , . | | 7 |
| 76 | SPRINT: A new parallel framework for R. BMC Bioinformatics, 2008, 9, 558. | 1.2 | 25 |
| 77 | Local feature extraction for video copy detection in a database. , 2008, , . | | 19 |
| 78 | 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 |
| 79 | Adaptive mixed norm optical flow estimation. , 2005, , . | | 3 |
| 80 | <title>Spatially adaptive regularized pel-recursive motion estimation based on the EM algorithm</title>. , 2000, 3974, 372. | | 9 |
| 81 | Snakes, shapes, and gradient vector flow. IEEE Transactions on Image Processing, 1998, 7, 359-369. | 6.0 | 3,292 |
| 82 | Learning parameterized models of image motion. , 0, , . | | 81 |
| 83 | Spatially-adaptive regularized pel-recursive motion estimation based on cross-validation. , 0, , . | | 7 |
| 84 | Regularized pel-recursive motion estimation using generalized cross-validation and spatial adaptation. , 0, , . | | 5 |
| 85 | Methodology for Optimization of Polymer Blends Composition. , 0, , . | | 1 |
| 86 | EM-Based Mixture Models Applied to Video Event Detection. , 0, , . | | 15 |