

Wallace Casaca

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

398
citations

840776

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h-index

888059

17
g-index

42
all docs

42
docs citations

42
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven analysis and machine learning for energy prediction in distributed photovoltaic generation plants: A case study in Queensland, Australia. Energy Reports, 2022, 8, 745-751.	5.1	7
2	A Machine Learning Strategy Based on Kittler's Taxonomy to Detect Anomalies and Recognize Contexts Applied to Monitor Water Bodies in Environments. Remote Sensing, 2022, 14, 2222.	4.0	2
3	Unsupervised Deep Learning Network for Deformable Fundus Image Registration. , 2022, , .		1
4	Mapping Fire Susceptibility in the Brazilian Amazon Forests Using Multitemporal Remote Sensing and Time-Varying Unsupervised Anomaly Detection. Remote Sensing, 2022, 14, 2429.	4.0	6
5	Laplacian Coordinates: Theory and Methods for Seeded Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2665-2681.	13.9	10
6	Exploratory Analysis and Visualization of Brazilian Forest Data from the Forest Document System of the Brazilian Institute of the Environment. Lecture Notes in Computer Science, 2021, , 145-159.	1.3	0
7	Towards Providing Effective Data-Driven Responses to Predict the Covid-19 in São Paulo and Brazil. Sensors, 2021, 21, 540.	3.8	24
8	Analyzing Spatio-temporal Land Cover Dynamics in an Atlantic Forest Portion Using Unsupervised Change Detection Techniques. Environmental Modeling and Assessment, 2021, 26, 581-590.	2.2	11
9	Combining morphological filtering, anisotropic diffusion and block-based data replication for automatically detecting and recovering unscanned gaps in remote sensing images. Earth Science Informatics, 2021, 14, 1145.	3.2	7
10	Spectral "Spatial-Aware Unsupervised Change Detection With Stochastic Distances and Support Vector Machines. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2863-2876.	6.3	16
11	Simulating Immunization Campaigns and Vaccine Protection Against COVID-19 Pandemic in Brazil. IEEE Access, 2021, 9, 126011-126022.	4.2	10
12	Automatically Detecting Textual Content in High-Resolution Images. , 2021, , .		0
13	A high-order immersed interface method free of derivative jump conditions for Poisson equations on irregular domains. Journal of Computational Physics, 2020, 423, 109791.	3.8	7
14	An Incongruence-Based Anomaly Detection Strategy for Analyzing Water Pollution in Images from Remote Sensing. Remote Sensing, 2020, 12, 43.	4.0	12
15	Towards Assessing the Electricity Demand in Brazil: Data-Driven Analysis and Ensemble Learning Models. Energies, 2020, 13, 1407.	3.1	13
16	Comparing the Performance of Mathematical Morphology and Bhattacharyya Distance for Airport Extraction. , 2020, , .		1
17	Predicting Long-Term Wind Speed in Wind Farms of Northeast Brazil: A Comparative Analysis Through Machine Learning Models. IEEE Latin America Transactions, 2020, 18, 2011-2018.	1.6	21
18	Vessel Optimal Transport for Automated Alignment of Retinal Fundus Images. IEEE Transactions on Image Processing, 2019, 28, 6154-6168.	9.8	20

#	ARTICLE	IF	CITATIONS
19	DESHADOWING OF HIGH SPATIAL RESOLUTION IMAGERY APPLIED TO URBAN AREA DETECTION. Boletim De Ciencias Geodesicas, 2019, 25, .	0.3	1
20	Shadow detection using object area-based and morphological filtering for very high-resolution satellite imagery of urban areas. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	9
21	Inducing Contextual Classifications With Kernel Functions Into Support Vector Machines. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 962-966.	3.1	16
22	A user-friendly interactive framework for unsteady fluid flow segmentation and visualization. Journal of Visualization, 2018, 21, 625-636.	1.8	3
23	Fundus Image Transformation Revisited: Towards Determining More Accurate Registrations. , 2018, , .		6
24	Dealing with Multiple Requirements in Geometric Arrangements. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 1223-1235.	4.4	16
25	A user-friendly interactive image inpainting framework using Laplacian coordinates. , 2015, , .		3
26	Interactive Image Colorization Using Laplacian Coordinates. Lecture Notes in Computer Science, 2015, , 675-686.	1.3	9
27	Combining anisotropic diffusion, transport equation and texture synthesis for inpainting textured images. Pattern Recognition Letters, 2014, 36, 36-45.	4.2	21
28	Laplacian Coordinates for Seeded Image Segmentation. , 2014, , .		36
29	Similarity Preserving Snippet-Based Visualization of Web Search Results. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 457-470.	4.4	55
30	Spectral Image Segmentation Using Image Decomposition and Inner Product-Based Metric. Journal of Mathematical Imaging and Vision, 2013, 45, 227-238.	1.3	20
31	Mixed Integer Optimization for Layout Arrangement. , 2013, , .		12
32	Class-specific metrics for multidimensional data projection applied to CBIR. Visual Computer, 2012, 28, 1027-1037.	3.5	3
33	Colorization by Multidimensional Projection. , 2012, , .		6
34	Spectral Segmentation Using Cartoon-Texture Decomposition and Inner Product-Based Metric. , 2011, , .		3
35	A Decomposition and Noise Removal Method Combining Diffusion Equation and Wave Atoms for Textured Images. Mathematical Problems in Engineering, 2010, 2010, 1-20.	1.1	7
36	A Regularized Nonlinear Diffusion Approach for Texture Image Denoising. , 2009, , .		3

#	ARTICLE	IF	CITATIONS
37	On the Graph Laplacian for Spectral Image Segmentation and Energy Minimization on Graphs. , 0, , .		0
38	Comparaçãõ entre diferentes mÃ©todos numÃ©ricos na soluçãõ da equaçãõ de Poisson bidimensional: Gauss-Seidel, FAS e SPH. CQD Revista EletrÃnica Paulista De MatemÃtica, 0, 17, 51-60.	0.0	0
39	Redes Neurais MLP e NARX Aplicadas na Previsãõ da Velocidade do Vento em Parques EÃ³licos do Estado da Bahia. , 0, , .		0
40	Um MÃ©todo NÃ£o-Supervisionado de Detecçãõ de Oclusões Textuais para Imagens de Sensoriamento Remoto. , 0, , .		0