

# Luiz Gonzaga

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

491  
citations

759055

12  
h-index

752573

20  
g-index

62  
all docs

62  
docs citations

62  
times ranked

531  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Method for Chlorophyll-a and Suspended Solids Prediction through Remote Sensing and Machine Learning. <i>Sensors</i> , 2020, 20, 2125.	2.1	51
2	An algorithm for automatic detection and orientation estimation of planar structures in LiDAR-scanned outcrops. <i>Computers and Geosciences</i> , 2016, 90, 170-178.	2.0	46
3	Virtual and digital outcrops in the petroleum industry: A systematic review. <i>Earth-Science Reviews</i> , 2020, 208, 103260.	4.0	41
4	New Method for Evaluating Surface Roughness Parameters Acquired by Laser Scanning. <i>Scientific Reports</i> , 2019, 9, 15038.	1.6	37
5	An Alternative Method of Spatial Autocorrelation for Chlorophyll Detection in Water Bodies Using Remote Sensing. <i>Sustainability</i> , 2017, 9, 416.	1.6	25
6	A Survey of Sensors in Healthcare Workflow Monitoring. <i>ACM Computing Surveys</i> , 2019, 51, 1-37.	16.1	23
7	A Systematic Review of Clinical Outcomes on Patients Rehabilitated with Complete Arch Fixed Implant-Supported Protheses According to the Time of Loading. <i>Journal of Prosthodontics</i> , 2019, 28, 958-968.	1.7	21
8	A Multioutcrop Sharing and Interpretation System: Exploring 3-D Surface and Subsurface Data. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2018, 6, 8-16.	4.9	19
9	Evaluation of Regression Analysis and Neural Networks to Predict Total Suspended Solids in Water Bodies from Unmanned Aerial Vehicle Images. <i>Sustainability</i> , 2019, 11, 2580.	1.6	17
10	Using digital outcrops to make the high Arctic more accessible through the Svalbox database. <i>Journal of Geoscience Education</i> , 2021, 69, 123-137.	0.8	15
11	Least trimmed squares estimator with redundancy constraint for outlier detection in GNSS networks. <i>Expert Systems With Applications</i> , 2017, 88, 230-237.	4.4	14
12	Spectral Pattern Classification in Lidar Data for Rock Identification in Outcrops. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	0.8	13
13	Proposal of a Method to Determine the Correlation between Total Suspended Solids and Dissolved Organic Matter in Water Bodies from Spectral Imaging and Artificial Neural Networks. <i>Sensors</i> , 2018, 18, 159.	2.1	13
14	Combining SRP-PHAT and two Kinects for 3D Sound Source Localization. <i>Expert Systems With Applications</i> , 2014, 41, 7106-7113.	4.4	11
15	Monocular multi-person pose estimation: A survey. <i>Pattern Recognition</i> , 2021, 118, 108046.	5.1	11
16	Adaptive Segmentation for Discontinuity Detection on Karstified Carbonate Outcrop Images From UAV-SfM Acquisition and Detection Bias Analysis. <i>IEEE Access</i> , 2022, 10, 20514-20526.	2.6	9
17	Robust Estimators in Geodetic Networks Based on a New Metaheuristic: Independent Vortices Search. <i>Sensors</i> , 2019, 19, 4535.	2.1	8
18	Baptizo: A sensor fusion based model for tracking the identity of human poses. <i>Information Fusion</i> , 2020, 62, 1-13.	11.7	8

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19	The costa of trichomonads: A complex macromolecular cytoskeleton structure made of uncommon proteins. <i>Biology of the Cell</i> , 2017, 109, 238-253.	0.7	7
20	RIDERS: Road Inspection & Driver Simulation. , 2018, , .		7
21	Spatial analyzes of HLA data in Rio Grande do Sul, south Brazil: genetic structure and possible correlation with autoimmune diseases. <i>International Journal of Health Geographics</i> , 2018, 17, 34.	1.2	7
22	Spherical K-Means and Elbow Method Optimizations With Fisher Statistics for 3D Stochastic DFN From Virtual Outcrop Models. <i>IEEE Access</i> , 2022, 10, 63723-63735.	2.6	7
23	Addition of an irrigation channel to a surgical template to facilitate cooling during implant osteotomy. <i>Journal of Prosthetic Dentistry</i> , 2020, 126, 164-166.	1.1	6
24	Deep Learning Application for Fracture Segmentation Over Outcrop Images from UAV-Based Digital Photogrammetry. , 2021, , .		6
25	New insights on the Golgi complex of <i>Tritrichomonas foetus</i> . <i>Parasitology</i> , 2014, 141, 241-253.	0.7	5
26	Immersive Virtual Fieldwork: Advances for the Petroleum Industry. , 2018, , .		5
27	Respiratory Diseases, Malaria and Leishmaniasis: Temporal and Spatial Association with Fire Occurrences from Knowledge Discovery and Data Mining. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3718.	1.2	5
28	Printgrammetryâ€™3-D Model Acquisition Methodology From Google Earth Imagery Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 2819-2830.	2.3	5
29	Digitising Svalbardâ€™s Geology: the Festningen Digital Outcrop Model. <i>First Break</i> , 2022, 40, 47-55.	0.2	4
30	MOSIS â€™ Multi-outcrop sharing & interpretation system. , 2017, , .		3
31	MOSIS: Immersive Virtual Field Environments for Earth Sciences. , 2019, , .		3
32	Skewness-Adjusted Robust Statistical Assessment on Googles Earth 3D Models: Rapplee Ridge. , 2019, , .		3
33	Printgrammetry: Google Earth Imagery Based 3D Model Generation for VR Applications. , 2019, , .		3
34	Improving Spatial Resolution of Multispectral Rock Outcrop Images Using RGB Data and Artificial Neural Networks. <i>Sensors</i> , 2020, 20, 3559.	2.1	3
35	A Critical Analysis of Red Ceramic Blocks Roughness Estimation by 2D and 3D Methods. <i>Remote Sensing</i> , 2021, 13, 789.	1.8	3
36	Determination of roughness coefficient in 3D digital representations of rocks. <i>Scientific Reports</i> , 2022, 12, .	1.6	3

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37	Towards a quality model for model composition effort. , 2014, , .		2
38	Digital field book for geosciences. , 2017, , .		2
39	High-resolution spectroscopy for detecting stratigraphic surfaces and stacking patterns in sedimentary basins. Journal of South American Earth Sciences, 2018, 88, 287-293.	0.6	2
40	O Efeito das Covari�ncias entre os Componentes de Linha Base sobre a Confiabilidade de Redes GNSS: Resultados para uma Rede com Alta Redund�ncia. Revista Brasileira De Cartografia, 2021, 73, 666-684.	0.1	2
41	Mosis Lab Hyperspectral - Visualization and Correlation of Hyperspectral Data on Immersive Virtual Reality. , 2021, , .		2
42	VROffice. , 2019, , .		2
43	Prediction of chlorophyll-a and suspended solids through remote sensing and artificial neural networks. , 2019, , .		2
44	Method for evaluating roughness and valley areas coefficients of surfaces acquired by laser scanner. Scientific Reports, 2022, 12, 1486.	1.6	2
45	Hyperspectral data as a proxy for porosity estimation of carbonate rocks. Australian Journal of Earth Sciences, 0, , 1-15.	0.4	2
46	Faster seam carving with minimum energy windows. , 2014, , .		1
47	Inspector: Immersive System of Inspection of Bridges/Viaducts. , 2019, , .		1
48	An artificial neural network-based critical values for multiple hypothesis testing: data-snooping case. Survey Review, 0, , 1-16.	0.7	1
49	Fire association with respiratory disease and COVID-19 complications in the State of Par�j, Brazil. The Lancet Regional Health Americas, 2022, 6, 100102.	1.5	1
50	GNSS vector quality modelling combining Isolation Forest and Independent Vortices Search. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110455.	2.5	1
51	Driver behavior analysis on a curve through immersive simulation and a segmented regression model. Transportes, 2022, 30, .	0.3	1
52	Redesigning transaction load balancing on electronic funds transfer scenarios. , 2014, , .		0
53	Laser scanner intensity calibration based on artificial neural networks. , 2017, , .		0
54	A new approach to minimize border effect for terrestrial laser scanning. , 2017, , .		0

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55	Identification and quantification of kaolinite in mixtures with goethite using short-wave infrared (SWIR) reflectance spectroscopy. , 2017, , .		0
56	Artificial neural network-based method to classify sedimentary rocks. , 2018, , .		0
57	Time Series Photogrammetric Processing Workflow for Wave-Washed Areas. , 2021, , .		0
58	AN AUTOMATIC ALGORITHM FOR MINIMIZING ANOMALIES AND DISCREPANCIES IN POINT CLOUDS ACQUIRED BY LASER SCANNING TECHNIQUE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 779-783.	0.2	0
59	Análise bibliográfica sobre as potencialidades da aquisição de imagens multi e hiperespectrais por VANTs no auxílio à inspeção de obras de arte especiais. Revista Brasileira De Geomática, 2018, 6, 44.	0.0	0
60	Geology 4.0: digital transformation applied at outcrop mapping activities. Technical Papers ... Rio Oil & Gas, 2020, 20, 462-463.	0.0	0
61	Proposal of a Method for Wildlife-Vehicle Collisions Risk Assessment Based on Geographic Information Systems and Deep Learning. , 2020, , .		0
62	Closure of rRNA related gaps in the Chromobacterium violaceum genome with the PCR-assisted contig extension (PACE) protocol. Genetics and Molecular Research, 2004, 3, 53-63.	0.3	0