

Mauricio Roberto Veronez

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

947
citations

623574

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h-index

501076

28
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77
all docs

77
docs citations

77
times ranked

1756
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Admixture in Latin America: Geographic Structure, Phenotypic Diversity and Self-Perception of Ancestry Based on 7,342 Individuals. PLoS Genetics, 2014, 10, e1004572. | 1.5 | 350 |
| 2 | A Method for Chlorophyll-a and Suspended Solids Prediction through Remote Sensing and Machine Learning. Sensors, 2020, 20, 2125. | 2.1 | 51 |
| 3 | An algorithm for automatic detection and orientation estimation of planar structures in LiDAR-scanned outcrops. Computers and Geosciences, 2016, 90, 170-178. | 2.0 | 46 |
| 4 | Virtual and digital outcrops in the petroleum industry: A systematic review. Earth-Science Reviews, 2020, 208, 103260. | 4.0 | 41 |
| 5 | New Method for Evaluating Surface Roughness Parameters Acquired by Laser Scanning. Scientific Reports, 2019, 9, 15038. | 1.6 | 37 |
| 6 | A half-century of Baarda's concept of reliability: a review, new perspectives, and applications. Survey Review, 2020, 52, 261-277. | 0.7 | 31 |
| 7 | An Alternative Method of Spatial Autocorrelation for Chlorophyll Detection in Water Bodies Using Remote Sensing. Sustainability, 2017, 9, 416. | 1.6 | 25 |
| 8 | A Multioutcrop Sharing and Interpretation System: Exploring 3-D Surface and Subsurface Data. IEEE Geoscience and Remote Sensing Magazine, 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. Sustainability, 2019, 11, 2580. | 1.6 | 17 |
| 10 | Regional Mapping of the Geoid Using GNSS (GPS) Measurements and an Artificial Neural Network. Remote Sensing, 2011, 3, 668-683. | 1.8 | 16 |
| 11 | Assessing the MODIS Crop Detection Algorithm for Soybean Crop Area Mapping and Expansion in the Mato Grosso State, Brazil. Scientific World Journal, The, 2014, 2014, 1-9. | 0.8 | 16 |
| 12 | A new relationship between the quality criteria for geodetic networks. Journal of Geodesy, 2019, 93, 529-544. | 1.6 | 16 |
| 13 | Spectral Model for Soybean Yield Estimate Using MODIS/EVI Data. International Journal of Geosciences, 2013, 04, 1233-1241. | 0.2 | 15 |
| 14 | On evaluation of different methods for quality control of correlated observations. Survey Review, 2015, 47, 28-35. | 0.7 | 14 |
| 15 | Least trimmed squares estimator with redundancy constraint for outlier detection in GNSS networks. Expert Systems With Applications, 2017, 88, 230-237. | 4.4 | 14 |
| 16 | A Monte Carlo-Based Outlier Diagnosis Method for Sensitivity Analysis. Remote Sensing, 2020, 12, 860. | 1.8 | 14 |
| 17 | Spectral Pattern Classification in Lidar Data for Rock Identification in Outcrops. Scientific World Journal, The, 2014, 2014, 1-10. | 0.8 | 13 |
| 18 | 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. Sensors, 2018, 18, 159. | 2.1 | 13 |

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|----|--|-----|-----------|
| 19 | Multi-Temporal Patterns of Urban Heat Island as Response to Economic Growth Management. Sustainability, 2015, 7, 3129-3145. | 1.6 | 12 |
| 20 | Amazon Rainforest Deforestation Daily Detection Tool Using Artificial Neural Networks and Satellite Images. Sustainability, 2012, 4, 2566-2573. | 1.6 | 11 |
| 21 | Combining SRP-PHAT and two Kinects for 3D Sound Source Localization. Expert Systems With Applications, 2014, 41, 7106-7113. | 4.4 | 11 |
| 22 | Remaining phosphorus estimated by pedotransfer function. Revista Brasileira De Ciencia Do Solo, 2011, 35, 203-212. | 0.5 | 10 |
| 23 | Comparison of Design Models: A Systematic Mapping Study. International Journal of Software Engineering and Knowledge Engineering, 2015, 25, 1765-1769. | 0.6 | 9 |
| 24 | Adaptive Segmentation for Discontinuity Detection on Karstified Carbonate Outcrop Images From UAV-SfM Acquisition and Detection Bias Analysis. IEEE Access, 2022, 10, 20514-20526. | 2.6 | 9 |
| 25 | Robust Estimators in Geodetic Networks Based on a New Metaheuristic: Independent Vortices Search. Sensors, 2019, 19, 4535. | 2.1 | 8 |
| 26 | Electrofacies Modelling and Lithological Classification of Coals and Mud-bearing Fine-grained Siliciclastic Rocks Based on Neural Networks. Earth Science Research, 2012, 2, . | 0.3 | 7 |
| 27 | So Close, So Far Away: Analysis of Surnames in a Town of Twins (C ndido God i, Brazil). Annals of Human Genetics, 2013, 77, 125-136. | 0.3 | 7 |
| 28 | Spatial analyzes of HLA data in Rio Grande do Sul, south Brazil: genetic structure and possible correlation with autoimmune diseases. International Journal of Health Geographics, 2018, 17, 34. | 1.2 | 7 |
| 29 | An invincible memory: what surname analysis tells us about history, health and population medical genetics in the Brazilian Northeast. Journal of Biosocial Science, 2021, 53, 183-198. | 0.5 | 7 |
| 30 | Monitoring Heat Waves and Their Impacts on Summer Crop Development in Southern Brazil. Agricultural Sciences, 2014, 05, 353-364. | 0.2 | 7 |
| 31 | Spherical K-Means and Elbow Method Optimizations With Fisher Statistics for 3D Stochastic DFN From Virtual Outcrop Models. IEEE Access, 2022, 10, 63723-63735. | 2.6 | 7 |
| 32 | Deep Learning Application for Fracture Segmentation Over Outcrop Images from UAV-Based Digital Photogrammetry. , 2021, , . | | 6 |
| 33 | 3D Data Acquisition Using Stereo Camera. , 2018, , . | | 5 |
| 34 | Geometry accuracy of DSM in water body margin obtained from an RGB camera with NIR band and a multispectral sensor embedded in UAV. European Journal of Remote Sensing, 2019, 52, 160-173. | 1.7 | 5 |
| 35 | Respiratory Diseases, Malaria and Leishmaniasis: Temporal and Spatial Association with Fire Occurrences from Knowledge Discovery and Data Mining. International Journal of Environmental Research and Public Health, 2020, 17, 3718. | 1.2 | 5 |
| 36 | Control Points Selection Based on Maximum External Reliability for Designing Geodetic Networks. Applied Sciences (Switzerland), 2020, 10, 687. | 1.3 | 5 |

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|----|---|-----|-----------|
| 37 | Printgrammetryâ€™3-D Model Acquisition Methodology From Google Earth Imagery Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2819-2830. | 2.3 | 5 |
| 38 | ANALYSIS OF THE INFLUENCE OF DISTANCE ON DATA ACQUISITION INTENSITY FORESTRY TARGETS BY A LIDAR TECHNIQUE WITH TERRESTRIAL LASER SCANNER. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W1, 99-103. | 0.2 | 5 |
| 39 | An intensity recovery algorithm (IRA) for minimizing the edge effect of LIDAR data. European Journal of Remote Sensing, 2016, 49, 301-315. | 1.7 | 3 |
| 40 | Analysis of Positional and Geometric Accuracy of Objects in Survey with Unmanned Aerial Vehicle (UAV)., 2018, , . | | 3 |
| 41 | MOSIS: Immersive Virtual Field Environments for Earth Sciences. , 2019, , . | | 3 |
| 42 | Printgrammetry: Google Earth Imagery Based 3D Model Generation for VR Applications. , 2019, , . | | 3 |
| 43 | Improving Spatial Resolution of Multispectral Rock Outcrop Images Using RGB Data and Artificial Neural Networks. Sensors, 2020, 20, 3559. | 2.1 | 3 |
| 44 | A Critical Analysis of Red Ceramic Blocks Roughness Estimation by 2D and 3D Methods. Remote Sensing, 2021, 13, 789. | 1.8 | 3 |
| 45 | Methodology for Acquisition of Intensity Data in Forest Targets Using Terrestrial Laser Scanner. IERI Procedia, 2013, 5, 238-244. | 0.3 | 2 |
| 46 | Digital field book for geosciences. , 2017, , . | | 2 |
| 47 | 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 |
| 48 | On the effects of hard and soft equality constraints in the iterative outlier elimination procedure. PLoS ONE, 2020, 15, e0238145. | 1.1 | 2 |
| 49 | Statistical assessment of cartographic product from photogrammetry and fixed-wing UAV acquisition. European Journal of Remote Sensing, 2020, 53, 27-39. | 1.7 | 2 |
| 50 | 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 |
| 51 | Monte-Carlo-based uncertainty propagation in the context of Gaussâ€™Markov model: a case study in coordinate transformation. Scientia Plena, 2019, 15, . | 0.1 | 2 |
| 52 | Mosis Lab Hyperspectral - Visualization and Correlation of Hyperspectral Data on Immersive Virtual Reality. , 2021, , . | | 2 |
| 53 | Prediction of chlorophyll-a and suspended solids through remote sensing and artificial neural networks. , 2019, , . | | 2 |
| 54 | Method for evaluating roughness and valley areas coefficients of surfaces acquired by laser scanner. Scientific Reports, 2022, 12, 1486. | 1.6 | 2 |

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|----|---|-----|-----------|
| 55 | Hyperspectral data as a proxy for porosity estimation of carbonate rocks. Australian Journal of Earth Sciences, 0, , 1-15. | 0.4 | 2 |
| 56 | Qualitative Environmental Analysis for Industrial Districts Implantation Using Geoprocessing Techniques. International Journal of Environmental Research and Public Health, 2008, 5, 457-463. | 1.2 | 1 |
| 57 | Estimativa de alturas geoidais para o estado de São Paulo baseada em redes neurais artificiais. Revista Brasileira De Geofisica, 2009, 27, 583-593. | 0.2 | 1 |
| 58 | Monitoring the vulnerability of soybean to heat waves and their impacts in Mato Grosso state, Brazil. , 2014, , . | | 1 |
| 59 | Applications of surveying in land management. Earth Science Informatics, 2014, 7, 69-70. | 1.6 | 1 |
| 60 | MOSIS V2: Immersive Virtual Outcrop Models. , 2019, , . | | 1 |
| 61 | An artificial neural network-based critical values for multiple hypothesis testing: data-snooping case. Survey Review, 0, , 1-16. | 0.7 | 1 |
| 62 | Fire association with respiratory disease and COVID-19 complications in the State of Pará, Brazil. The Lancet Regional Health Americas, 2022, 6, 100102. | 1.5 | 1 |
| 63 | GNSS vector quality modelling combining Isolation Forest and Independent Vortices Search. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110455. | 2.5 | 1 |
| 64 | Driver behavior analysis on a curve through immersive simulation and a segmented regression model. Transportes, 2022, 30, . | 0.3 | 1 |
| 65 | Ajustamento de observações: uma interpretação geométrica para o método dos mínimos quadrados. Boletim De Ciencias Geodesicas, 2011, 17, 272-294. | 0.2 | 0 |
| 66 | Laser scanner intensity calibration based on artificial neural networks. , 2017, , . | | 0 |
| 67 | A new approach to minimize border effect for terrestrial laser scanning. , 2017, , . | | 0 |
| 68 | Identification and quantification of kaolinite in mixtures with goethite using short-wave infrared (SWIR) reflectance spectroscopy. , 2017, , . | | 0 |
| 69 | Time Series Photogrammetric Processing Workflow for Wave-Washed Areas. , 2021, , . | | 0 |
| 70 | 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 |
| 71 | 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 |
| 72 | Análise gráfica das variáveis do controle de qualidade de dados geodésicos por meio de testes estatísticos. Revista Brasileira De Geomática, 2018, 6, 194. | 0.0 | 0 |