

Osmar Antônio de Carvalho Júnior

List of Publications by Year in descending order

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122
papers

1,752
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304368

22
h-index

329751

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all docs

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docs citations

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times ranked

1997
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#	ARTICLE	IF	CITATIONS
1	Deep semantic segmentation for detecting eucalyptus planted forests in the Brazilian territory using sentinel-2 imagery. <i>Geocarto International</i> , 2022, 37, 6538-6550.	1.7	14
2	Deep-water oil-spill monitoring and recurrence analysis in the Brazilian territory using Sentinel-1 time series and deep learning. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 107, 102695.	1.4	9
3	Panoptic Segmentation Meets Remote Sensing. <i>Remote Sensing</i> , 2022, 14, 965.	1.8	19
4	Rethinking Panoptic Segmentation in Remote Sensing: A Hybrid Approach Using Semantic Segmentation and Non-Learning Methods. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	5
5	Bounding Box-Free Instance Segmentation Using Semi-Supervised Iterative Learning for Vehicle Detection. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 3403-3420.	2.3	13
6	Integration of georeferenced and genetic data for the management of biodiversity in sheep genetic resources in Brazil. <i>Tropical Animal Health and Production</i> , 2021, 53, 126.	0.5	5
7	Controle gerencial na administração pública e transformação digital: sensoriamento remoto para fiscalizar. <i>Cadernos Gestão Pública E Cidadania</i> , 2021, 26, .	0.1	1
8	Prediction of secondary testosterone deficiency using machine learning: A comparative analysis of ensemble and base classifiers, probability calibration, and sampling strategies in a slightly imbalanced dataset. <i>Informatics in Medicine Unlocked</i> , 2021, 23, 100538.	1.9	3
9	Dealing With Clouds and Seasonal Changes for Center Pivot Irrigation Systems Detection Using Instance Segmentation in Sentinel-2 Time Series. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 8447-8457.	2.3	12
10	Relationship between Land Property Security and Brazilian Amazon Deforestation in the Mato Grosso State during the Period 2013-2018. <i>Sustainability</i> , 2021, 13, 2085.	1.6	1
11	Remote Sensing for Monitoring Photovoltaic Solar Plants in Brazil Using Deep Semantic Segmentation. <i>Energies</i> , 2021, 14, 2960.	1.6	34
12	Instance segmentation of center pivot irrigation systems using multi-temporal SENTINEL-1 SAR images. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 23, 100537.	0.8	7
13	Irrigated rice crop identification in Southern Brazil using convolutional neural networks and Sentinel-1 time series. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 24, 100627.	0.8	4
14	Instance Segmentation for Large, Multi-Channel Remote Sensing Imagery Using Mask-RCNN and a Mosaicking Approach. <i>Remote Sensing</i> , 2021, 13, 39.	1.8	45
15	Gene bank collection strategies based upon geographic and environmental indicators for beef breeds in the United States of America. <i>Livestock Science</i> , 2021, 254, 104766.	0.6	5
16	Instance Segmentation for Governmental Inspection of Small Touristic Infrastructure in Beach Zones Using Multispectral High-Resolution WorldView-3 Imagery. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 813.	1.4	6
17	Wheat planted area detection from the MODIS NDVI time series classification using the nearest neighbour method calculated by the Euclidean distance and cosine similarity measures. <i>Geocarto International</i> , 2020, 35, 1400-1414.	1.7	6
18	Landscape genetics of sheep in Brazil using SNP markers. <i>Small Ruminant Research</i> , 2020, 192, 106239.	0.6	7

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19	Comparison of Post-fire Patterns in Brazilian Savanna and Tropical Forest from Remote Sensing Time Series. ISPRS International Journal of Geo-Information, 2020, 9, 659.	1.4	6
20	Accuracy and spatiotemporal distribution of fire in the Brazilian biomes from the MODIS burned-area products. International Journal of Wildland Fire, 2020, 29, 907.	1.0	10
21	Deep Semantic Segmentation of Center Pivot Irrigation Systems from Remotely Sensed Data. Remote Sensing, 2020, 12, 2159.	1.8	29
22	Spatial dynamics of the Girolando breed in Brazil: analysis of genetic integration and environmental factors. Tropical Animal Health and Production, 2020, 52, 3869-3883.	0.5	10
23	Performance Analysis of Deep Convolutional Autoencoders with Different Patch Sizes for Change Detection from Burnt Areas. Remote Sensing, 2020, 12, 2576.	1.8	23
24	Rice Crop Detection Using LSTM, Bi-LSTM, and Machine Learning Models from Sentinel-1 Time Series. Remote Sensing, 2020, 12, 2655.	1.8	80
25	Assessment of gully development using geomorphic change detection between pre- and post-urbanization scenarios. Environmental Earth Sciences, 2020, 79, 1.	1.3	10
26	Change Detection of Deforestation in the Brazilian Amazon Using Landsat Data and Convolutional Neural Networks. Remote Sensing, 2020, 12, 901.	1.8	123
27	REVISÃO SOBRE O USO DE SENSORIAMENTO REMOTO NA DETECÇÃO DE VAZAMENTOS DE ÓLEO NO MAR. Caminhos De Geografia, 2020, 21, 214-224.	0.1	1
28	Center Pivot Classification with Deep Residual U-NET. , 2020, , .		0
29	The Spatiotemporal Dynamics of Soybean and Cattle Production in Brazil. Sustainability, 2019, 11, 2150.	1.6	19
30	Nearest Neighbor Method to Estimate Urban Areas Using Modis Ndvi Time Series. , 2019, , .		0
31	Effects of Long-Term Fire Exclusion in the Modis NDVI Time Series in the Águas Emendadas Ecological Station, Brazil. , 2019, , .		1
32	Predicting wildfire vulnerability using logistic regression and artificial neural networks: a case study in Brazil's Federal District. International Journal of Wildland Fire, 2019, 28, 35.	1.0	47
33	VERTICAL ACCURACY ASSESSMENT OF THE PROCESSED SRTM DATA FOR THE BRAZILIAN TERRITORY. Boletim De Ciencias Geodesicas, 2019, 25, .	0.2	3
34	Classificação da cobertura da terra na região da ilha do Bananal usando imagens multitemporais PALSAR-2/ALOS-2. Confins, 2019, , .	0.0	1
35	Improvement of Methods and Techniques that Subsidize the Analysis of Land Use Changes Over Time. Fronteiras, 2019, 8, 73-103.	0.0	0
36	Análise dos padrões espaço-temporais das internações por diarreia e do clima nas capitais brasileiras. Confins, 2019, , .	0.0	0

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37	Mapping units based on spatial uncertainty of magnetic susceptibility and clay content. <i>Catena</i> , 2018, 164, 79-87.	2.2	15
38	Burned-Area Detection in Amazonian Environments Using Standardized Time Series Per Pixel in MODIS Data. <i>Remote Sensing</i> , 2018, 10, 1904.	1.8	23
39	SELEÇÃO DE ÁREAS PRIORITÁRIAS PARA REGULARIZAÇÃO FUNDIÁRIA NO ESTADO DA BAHIA. <i>Finisterra</i> , 2018, 53, .	0.3	2
40	Sample planning for quantifying and mapping magnetic susceptibility, clay content, and base saturation using auxiliary information. <i>Geoderma</i> , 2017, 305, 208-218.	2.3	14
41	Deforestation analysis in protected areas and scenario simulation for structural corridors in the agricultural frontier of Western Bahia, Brazil. <i>Land Use Policy</i> , 2017, 61, 40-52.	2.5	36
42	Landscape-fragmentation change due to recent agricultural expansion in the Brazilian Savanna, Western Bahia, Brazil. <i>Regional Environmental Change</i> , 2017, 17, 411-423.	1.4	43
43	Spatial-Temporal Patterns of Bean Crop in Brazil over the Period 1990â€“2013. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 107.	1.4	9
44	Determination of Areas Susceptible to Landsliding Using Spatial Patterns of Rainfall from Tropical Rainfall Measuring Mission Data, Rio de Janeiro, Brazil. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 289.	1.4	5
45	ANÁLISE COMPARATIVA ENTRE TÉCNICAS DE SENSORIAMENTO REMOTO PARA MENSURAÇÃO DA VEGETAÇÃO URBANA NO MUNICÍPIO DE ALEGRE, ES. <i>Revista Cerrados</i> , 2017, 15, 156-177.	0.1	1
46	Avaliação dos diferentes métodos de transformação para georreferenciar documentos cartográficos de 1812 e 1906 do Rio de Janeiro. <i>Confins</i> , 2017, .	0.0	0
47	Patterns of heat tolerance in different sheep breeds in Brazil. <i>Small Ruminant Research</i> , 2016, 144, 290-299.	0.6	32
48	Dynamics of Cattle Production in Brazil. <i>PLoS ONE</i> , 2016, 11, e0147138.	1.1	67
49	COMPARAÇÃO DOS MÉTODOS DE CLASSIFICAÇÃO POR ÂNGULO ESPECTRAL E DISTÂNCIA EUCLIDIANA NO MAPEAMENTO DAS FORMAS DE TERRENO. <i>Revista Brasileira De Geomorfologia</i> , 2016, 17, .	0.1	0
50	CONCEITOS GEOGRÁFICOS APLICADOS À ANÁLISE ECONÔMICA AMBIENTAL. <i>Geografia Ensino & Pesquisa</i> , 2016, 20, 192.	0.0	0
51	Standardized Time-Series and Interannual Phenological Deviation: New Techniques for Burned-Area Detection Using Long-Term MODIS-NBR Dataset. <i>Remote Sensing</i> , 2015, 7, 6950-6985.	1.8	22
52	Comparative Analysis of MODIS Time-Series Classification Using Support Vector Machines and Methods Based upon Distance and Similarity Measures in the Brazilian Cerrado-Caatinga Boundary. <i>Remote Sensing</i> , 2015, 7, 12160-12191.	1.8	34
53	Detailed mapping unit design based on soilâ€“landscape relation and spatial variability of magnetic susceptibility and soil color. <i>Catena</i> , 2015, 135, 149-162.	2.2	30
54	Chapada dos Veadeiros: The Highest Landscapes in the Brazilian Central Plateau. <i>World Geomorphological Landscapes</i> , 2015, , 221-230.	0.1	8

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55	The Canastra Range: On the Way to São Francisco River Spring. <i>World Geomorphological Landscapes</i> , 2015, , 349-357.	0.1	1
56	Probability Density Components Analysis: A New Approach to Treatment and Classification of SAR Images. <i>Remote Sensing</i> , 2014, 6, 2989-3019.	1.8	2
57	Karst Depression Detection Using ASTER, ALOS/PRISM and SRTM-Derived Digital Elevation Models in the Bambuí-Group, Brazil. <i>Remote Sensing</i> , 2014, 6, 330-351.	1.8	67
58	Spatial dependence of malaria epidemics in municipalities of the Brazilian Amazon. <i>Revista Brasileira De Epidemiologia</i> , 2014, 17, 615-628.	0.3	16
59	Georeferenced evaluation of genetic breeding value patterns in Brazilian Holstein cattle. <i>Genetics and Molecular Research</i> , 2014, 13, 9806-9816.	0.3	15
60	Spatial Patterns of Fire Recurrence Using Remote Sensing and GIS in the Brazilian Savanna: Serra do Tombador Nature Reserve, Brazil. <i>Remote Sensing</i> , 2014, 6, 9873-9894.	1.8	33
61	MODELO DE EVOLUÇÃO DO PEDOGEOMORFOLOGIA DA SERRA DA CANASTRA, MG. <i>Revista Brasileira De Geomorfologia</i> , 2014, 14, .	0.1	2
62	CHARACTERIZATION OF THE AGRICULTURE OCCUPATION IN THE CERRADO BIOME USING MODIS TIME-SERIES. <i>Revista Brasileira De Geofísica</i> , 2014, 31, 393.	0.2	6
63	PHENOLOGICAL CHARACTERIZATION OF COFFEE CROP (<i>Coffea arabica</i> L.) FROM MODIS TIME SERIES. <i>Revista Brasileira De Geofísica</i> , 2014, 31, 569.	0.2	7
64	A Importância do Geoprocessamento para a História e o Saber Ambiental. <i>Fronteiras</i> , 2014, 3, 132.	0.0	0
65	Environmental factors that affect sheep production in Brazil. <i>Applied Geography</i> , 2013, 44, 172-181.	1.7	21
66	Análise do uso e cobertura da terra e da fragmentação da paisagem no município de Missal-PR. <i>Boletim De Geografia</i> , 2013, 31, .	0.1	0
67	Radiometric Normalization of Temporal Images Combining Automatic Detection of Pseudo-Invariant Features from the Distance and Similarity Spectral Measures, Density Scatterplot Analysis, and Robust Regression. <i>Remote Sensing</i> , 2013, 5, 2763-2794.	1.8	52
68	Dynamics of Sheep Production in Brazil. <i>ISPRS International Journal of Geo-Information</i> , 2013, 2, 665-679.	1.4	33
69	Combining Spatial Models for Shallow Landslides and Debris-Flows Prediction. <i>Remote Sensing</i> , 2013, 5, 2219-2237.	1.8	46
70	Emprego de modelo de susceptibilidade a escorregamentos rasos para gestão de riscos de desastres no município de Vitória-ES. <i>Sociedade & Natureza</i> , 2013, 25, 119-132.	0.0	2
71	Relação entre a evolução do uso da terra com as unidades geomorfológicas no município de Riachão das Neves (BA). <i>GeoTextos</i> , 2013, 9, .	0.1	2
72	RELACIONAMENTO ENTRE A MUDANÇA DA REDE DE DRENAGEM DEVIDO À CONSTRUÇÃO DE ESTRUTURAS URBANAS E O SURGIMENTO DE VOÇOROCAS NO BAIRRO DO JARDIM BOTÂNICO NO DISTRITO FEDERAL. <i>Revista Brasileira De Geomorfologia</i> , 2013, 13, .	0.1	0

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73	CLASSIFICAÇÃO DO PELO MÓDULO K-MÓDULO DIAS DAS BACIAS DE DRENAGEM DO RIO IPANEMA (AL/PE) CONSIDERANDO OS ATRIBUTOS MORFOMÉTRICOS. Geo UERJ, 2013, 2, .	0.1	0
74	DINÂMICA E SUCESSÃO DOS PADRÕES DA PAISAGEM AGRÍCOLA NO MUNICÍPIO DE COCOS (BAHIA). RA'E GA-O Espaço Geografico Em Analise, 2012, 26, .	0.1	2
75	Análise fatorial multivariada aplicada a caracterização de áreas de ocorrência de babaçu (Attalea Tj ETQq1 1,0,784314 3 rgBT /C	0.0	0
76	DINÂMICA DA EXPANSÃO AGRÍCOLA DO MUNICÍPIO DE SÃO DESIDÁRIO-RO-BA ENTRE OS ANOS DE 1984 A 2008, IMPORTANTE PRODUTOR NACIONAL DE SOJA, ALGODÃO E MILHO. Geo UERJ, 2012, 2, .	0.1	4
77	Spatialization of climate, physical and socioeconomic factors that affect the dairy goat production in Brazil and their impact on animal breeding decisions. Pesquisa Veterinaria Brasileira, 2012, 32, 1073-1081.	0.5	16
78	SISTEMA DE CLASSIFICAÇÃO GEOMORFOMÉTRICA BASEADO EM UMA ARQUITETURA SEQUENCIAL EM DUAS ETAPAS: ÁRVORE DE DECISÃO E CLASSIFICADOR ESPECTRAL, NO PARQUE NACIONAL SERRA DA CANASTRA. Revista Brasileira De Geomorfologia, 2012, 13, .	0.1	12
79	IDENTIFICAÇÃO DAS ÁREAS VULNERÁVEIS À EROSIÃO A PARTIR DO EMPREGO DA EUPS "EQUAÇÃO UNIVERSAL DE PERDAS DE SOLOS NO MUNICÍPIO DE RIACHÃO DAS NEVES" BA.. Geografia Ensino & Pesquisa, 2012, 15, .	0.0	1
80	Structuring Taxonomies from Texts: A Case-Study on Defining Soil Classes. Lecture Notes in Computer Science, 2012, , 657-666.	1.0	0
81	Combining noise-adjusted principal components transform and median filter techniques for denoising modis temporal signatures. Revista Brasileira De Geofisica, 2012, 30, .	0.2	2
82	A New Approach to Change Vector Analysis Using Distance and Similarity Measures. Remote Sensing, 2011, 3, 2473-2493.	1.8	117
83	Tratamento de ruídos e caracterização de fisionomias do Cerrado utilizando séries temporais do sensor MODIS. Revista Arvore, 2011, 35, 699-705.	0.5	5
84	Urbanization impacts upon catchment hydrology and gully development using multi-temporal digital elevation data analysis. Earth Surface Processes and Landforms, 2010, 35, 611-617.	1.2	13
85	Identification of areas prone to shallow landslide in Parque Nacional da Serra dos Carajás (Brazil) considering seasonal rainfall. , 2010, , .		0
86	Analysis of channel morphology of São Francisco River using remote sensing data. International Journal of Remote Sensing, 2010, 31, 1981-1994.	1.3	2
87	INTEGRAÇÃO DE PARÂMETROS MORFOMÉTRICOS E IMAGEM ASTER PARA A DELIMITAÇÃO DAS FITOFISIONOMIAS DA SERRA DA CANASTRA, PARQUE NACIONAL DA SERRA DA CANASTRA, MG. Revista Brasileira De Geomorfologia, 2010, 11, .	0.1	7
88	Geoprocessamento de Modelos Digitais de Elevação para Mapeamento da Curvatura Horizontal em Microbacias. Revista Brasileira De Geomorfologia, 2010, 4, .	0.1	17
89	Avaliação Qualitativa do Potencial de Erosão Laminar em Grandes Áreas por Meio da EUPS Equação Universal de Perdas de Solos Utilizando Novas Metodologias em SIG para os Cálculos dos seus Fatores na Região do Alto Parnaíba PI-MA. Revista Brasileira De Geomorfologia, 2010, 7, .	0.1	20
90	Delimitação Automática de Bacias de Drenagens e Análise Multivariada de Atributos Morfométricos usando Modelo Digital De Elevação Hidrologicamente Corrigido. Revista Brasileira De Geomorfologia, 2010, 8, .	0.1	6

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91	Mapeamento Da Superfície Basal Do Manto De Intemperismo Pelo Comportamento Da Resistividade Elétrica Do Distrito Federal. Revista Brasileira De Geomorfologia, 2010, 9, .	0.1	4
92	Avaliação de Metodologias de Determinação do Cálculo de Áreas de Contribuição. Revista Brasileira De Geomorfologia, 2010, 4, .	0.1	3
93	Identificação de Unidades de Paisagem e sua Implicação para o Ecoturismo no Parque Nacional da Serra dos Açúcos, Rio De Janeiro.. Revista Brasileira De Geomorfologia, 2010, 8, .	0.1	4
94	Relação Solo-Relevo Em Vertentes Assimétricas No Parque Nacional Da Serra Dos Açúcos, RJ.. Revista Brasileira De Geomorfologia, 2010, 8, .	0.1	1
95	Classificação De Bacias De Drenagem Do Alto Jequitã-(Minas Gerais) A Partir Da Análise De Principais Componentes E Análise De Grupos. Revista Brasileira De Geomorfologia, 2010, 8, .	0.1	1
96	Avaliação Multitemporal da Susceptibilidade Erosiva na Bacia do Rio Urucuia (Mg) Por Meio da Equação Universal de Perda de Solos.. Revista Brasileira De Geomorfologia, 2010, 8, .	0.1	3
97	Modelagem de espectros temporais NDVI-MODIS, no período de 2000 a 2008, na bacia do rio Paracatu, Brasil. Revista Brasileira De Geofísica, 2010, 28, .	0.2	2
98	Análise das mudanças do uso agrícola da terra a partir de dados de sensoriamento remoto multitemporal no município de Luis Eduardo Magalhães (BA - Brasil). Sociedade & Natureza, 2009, 21, 315-326.	0.0	14
99	Development and origin of the microgranular structure in latosols of the Brazilian Central Plateau: Significance of texture, mineralogy, and biological activity. Catena, 2009, 76, 122-134.	2.2	50
100	Identification of the affected areas by mass movement through a physically based model of landslide hazard combined with an empirical model of debris flow. Natural Hazards, 2008, 45, 197.	1.6	24
101	Variation of the kaolinite and gibbsite content at regional and local scale in Latosols of the Brazilian Central Plateau. Comptes Rendus - Geoscience, 2008, 340, 741-748.	0.4	31
102	Classificação de padrões de savana usando assinaturas temporais NDVI do sensor MODIS no Parque Nacional Chapada dos Veadeiros. Revista Brasileira De Geofísica, 2008, 26, 505-517.	0.2	11
103	Time series interpolation. , 2007, , .		4
104	Identification of the affected areas by mass movement through a physically based model of landslide hazard combined with a two-dimensional flood routing model for simulating debris flow. , 2007, , .		0
105	Spectral change detection. , 2007, , .		4
106	Integração de dados de sensoriamento remoto multi resolução para a representação da cobertura da terra utilizando campos contínuos de vegetação e classificação por árvores de decisão. Revista Brasileira De Geofísica, 2007, 25, .	0.2	3
107	Análise de dados hiperespectrais em mina de manganês laterítico, São João da Aliança (GO). Revista Brasileira De Geofísica, 2007, 25, .	0.2	0
108	Environmental considerations in energy planning for the Amazon region: Downstream effects of dams. Energy Policy, 2007, 35, 6526-6534.	4.2	67

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109	Normalization of Multi-Temporal Images Using a New Change Detection Method Based on the Spectral Classifier. , 2006, , .		4
110	Identificação regional da Floresta Estacional Decidual na bacia do Rio Paran� a partir da an�lise multitemporal de imagens MODIS. Revista Brasileira De Geofisica, 2006, 24, 319-332.	0.2	13
111	Spectral Multiple Correlation Mapper. , 2006, , .		3
112	Regional Identification of the Deciduous Forests of Brazil Central Using NDVI Seasonal Variations of the Sensor MODIS and Digital Elevation Model. , 2006, , .		0
113	Vegetation mapping in the Parque Nacional, Brasilia (Brazil) area using advanced spaceborne thermal emission and reflection radiometer (ASTER) data and spectral identification method (SIM). , 2005, , .		0
114	Aplic�o do m�todo de identifica�o espectral para imagens do sensor ASTER em ambiente de cerrado. Revista Brasileira De Geofisica, 2005, 23, 159.	0.2	2
115	Detection of karst depression by aster image in the Bambui Group, Brazil. , 2005, , .		2
116	An�lise comparativa do processo de identifica�o automatizada de membros finais a partir de imagens com diferentes resolu�es espectrais para a regi�o de Niquel�ndia (AVIRIS, ETM+ e ASTER). Revista Brasileira De Geofisica, 2005, 23, .	0.2	0
117	Parameterization of soil properties for a model of topographic controls on shallow landsliding: application to Rio de Janeiro. Engineering Geology, 2003, 69, 99-108.	2.9	66
118	Classifica�o e elimina�o dos ru�os em imagens hiperespectrais pela an�lise seq�encial da transforma�o por Fra�o de Ru�o M�nima. Revista Brasileira De Geofisica, 2002, 20, .	0.2	2
119	Raster-based algorithm for the estimation of urban growth speed and acceleration. , 0, , .		0
120	Spectral mixture analysis of aster image to geobotanical investigation between ultramafic and mafic rocks from Niquel�ndia, Brazil. , 0, , .		0
121	Classifica�o do uso e cobertura da terra utilizando imagens SAR/Sentinel 1 no Distrito Federal. Sociedade & Natureza, 0, 33, e55954.	0.0	1
122	An�lise do �ngulo de visada no comportamento espectral de imagens modis em �reas de floresta amaz�nica e cerrado. Geografia Ensino & Pesquisa, 0, 23, 10.	0.0	1