

# Antonio Miguel Vieira Monteiro

## List of Publications by Year in descending order

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63  
papers

1,406  
citations

394421

19  
h-index

345221

36  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating population and energy consumption in Brazilian Amazonia using DMSP night-time satellite data. <i>Computers, Environment and Urban Systems</i> , 2005, 29, 179-195.	7.1	233
2	Stochastic cellular automata modeling of urban land use dynamics: empirical development and estimation. <i>Computers, Environment and Urban Systems</i> , 2003, 27, 481-509.	7.1	173
3	GIS and remote sensing as tools for the simulation of urban land use change. <i>International Journal of Remote Sensing</i> , 2005, 26, 759-774.	2.9	108
4	Developing new approaches for detecting and preventing <i>Aedes aegypti</i> population outbreaks: basis for surveillance, alert and control system. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2008, 103, 50-59.	1.6	106
5	Global and local spatial indices of urban segregation. <i>International Journal of Geographical Information Science</i> , 2007, 21, 299-323.	4.8	92
6	Modeling the Dynamic Transmission of Dengue Fever: Investigating Disease Persistence. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e942.	3.0	72
7	Sustained Reduction of the Dengue Vector Population Resulting from an Integrated Control Strategy Applied in Two Brazilian Cities. <i>PLoS ONE</i> , 2013, 8, e67682.	2.5	47
8	Development, environmental degradation, and disease spread in the Brazilian Amazon. <i>PLoS Biology</i> , 2019, 17, e3000526.	5.6	45
9	TerraLib: An Open Source GIS Library for Large-Scale Environmental and Socio-Economic Applications. <i>Advances in Geographic Information Science</i> , 2008, , 247-270.	0.6	39
10	Automated geospatial Web Services composition based on geodata quality requirements. <i>Computers and Geosciences</i> , 2012, 47, 60-74.	4.2	32
11	A Framework for Measuring the Interoperability of Geo-Ontologies. <i>Spatial Cognition and Computation</i> , 2006, 6, 309-331.	1.2	30
12	An entomological surveillance system based on open spatial information for participative dengue control. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 655-662.	0.8	30
13	Landscape risk factors for attacks of vampire bats on cattle in Sao Paulo, Brazil. <i>Preventive Veterinary Medicine</i> , 2010, 93, 139-146.	1.9	26
14	Characterization of the spatial and temporal dynamics of the dengue vector population established in urban areas of Fernando de Noronha, a Brazilian oceanic island. <i>Acta Tropica</i> , 2014, 137, 80-87.	2.0	26
15	An extensible toolbox for modeling nature-society interactions. <i>Environmental Modelling and Software</i> , 2013, 46, 104-117.	4.5	24
16	Mudanças climáticas e ambientais e as doenças infecciosas: cenários e incertezas para o Brasil. <i>Epidemiologia E Servicos De Saude: Revista Do Sistema Unico De Saude Do Brasil</i> , 2009, 18, .	1.0	24
17	An Algebra for Spatiotemporal Data: From Observations to Events. <i>Transactions in GIS</i> , 2014, 18, 253-269.	2.3	22
18	Processos de ocupação nas novas fronteiras da Amazônia: o interflúvio do Xingu/ Iriri. <i>Estudos Avancados</i> , 2005, 19, 9-23.	0.5	22

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19	Amazonian Deforestation Models. <i>Science</i> , 2005, 307, 1043c-1044c.	12.6	19
20	Geocomputation techniques for spatial analysis: are they relevant to health data?. <i>Cadernos De Saude Publica</i> , 2001, 17, 1059-1071.	1.0	18
21	What are TMs in an Image?. <i>Lecture Notes in Computer Science</i> , 2001, , 474-488.	1.3	17
22	Using remote sensing and census tract data to improve representation of population spatial distribution: case studies in the Brazilian Amazon. <i>Population and Environment</i> , 2012, 34, 142-170.	3.0	14
23	Geoweb Services for Sharing Modelling Results in Biodiversity Networks. <i>Transactions in GIS</i> , 2009, 13, 379-399.	2.3	13
24	Dinâmicas de urbanização na hiperperiferia da metrópole de São Paulo: análise dos processos de expansão urbana e das situações de vulnerabilidade socioambiental em escala intraurbana. <i>Revista Brasileira De Estudos De Populacao</i> , 2010, 27, 141-159.	0.3	13
25	Áreas propícias para o ataque de morcegos hematófagos <i>Desmodus rotundus</i> em bovinos na região de São João da Boa Vista, Estado de São Paulo. <i>Pesquisa Veterinaria Brasileira</i> , 2007, 27, 307-313.	0.5	12
26	The Urban Gradient in Malaria-Endemic Municipalities in Acre: Revisiting the Role of Locality. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1254.	2.6	11
27	Networks of innovation and the establishment of a spatial data infrastructure in Brazil. <i>Information Technology for Development</i> , 2006, 12, 255-272.	4.8	10
28	Countering Urban Segregation in Brazilian Cities: Policy-Oriented Explorations Using Agent-Based Simulation. <i>Environment and Planning B: Planning and Design</i> , 2012, 39, 1131-1150.	1.7	10
29	Comunidades ribeirinhas como forma socioespacial de expressão urbana na Amazônia: uma tipologia para a região do Baixo Tapajós (Pará-Brasil). <i>Revista Brasileira De Estudos De Populacao</i> , 2013, 30, 367-399.	0.3	9
30	Suppressing Temporal Data in Sensor Networks Using a Scheme Robust to Aberrant Readings. <i>International Journal of Distributed Sensor Networks</i> , 2009, 5, 771-805.	2.2	8
31	Identifying Spatial Units of Human Occupation in the Brazilian Amazon Using Landsat and CBERS Multi-Resolution Imagery. <i>Remote Sensing</i> , 2012, 4, 68-87.	4.0	7
32	Demografia, planejamento territorial e a questão habitacional: prognóstico da situação habitacional do Litoral Norte Paulista. <i>Revista Brasileira De Estudos De Populacao</i> , 2017, 34, 301-320.	0.3	7
33	Raiva bovina segundo os mosaicos de uso e cobertura da terra no estado de São Paulo entre 1992 e 2003. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2011, 63, 287-295.	0.4	6
34	Towards a unified framework for spatial data models. <i>Journal of the Brazilian Computer Society</i> , 2000, 7, 17-25.	1.3	6
35	Modelagem de incertezas na análise espaço-temporal dos níveis freáticos em uma bacia hidrográfica. <i>Pesquisa Agropecuaria Brasileira</i> , 2007, 42, 25-34.	0.9	4
36	Entities and Relations for Agent-Based Modelling of Complex Spatial Systems. , 2010, , .		4

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37	Household structure and urban opportunities: Evaluating differences in the accessibility to jobs, education and leisure in São Paulo. Journal of Transport and Land Use, 2021, 14, 841-862.	1.2	4
38	Representação e propagação de incertezas em dados de solo: II - Atributos numéricos. Revista Brasileira De Ciencia Do Solo, 2004, 28, 33-47.	1.3	4
39	Debate on the paper by Gilberto Câmara & Antônio Miguel Vieira Monteiro. Cadernos De Saude Publica, 2001, 17, 1073-1074.	1.0	4
40	A smart telemetry compression system for a space instrument: MARS-96 ELISMA instrument complex. Microprocessors and Microsystems, 1996, 20, 17-30.	2.8	3
41	Modelagem de fertilidade do solo por simulação estocástica com tratamento de incertezas. Pesquisa Agropecuaria Brasileira, 2004, 39, 379-389.	0.9	3
42	Increasing process reliability in a geospatial web services composition. , 2009, , .		3
43	Advances in Geoinformatics. , 2007, , .		3
44	Visual Data Mining for Identification of Patterns and Outliers in Weather Stations™ Data. Lecture Notes in Computer Science, 2012, , 245-252.	1.3	3
45	An observatory to gather and disseminate information on the health-related effects of environmental and climate change. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 2016, 40, 167-173.	1.1	3
46	From Input-Output Matrixes to Agent-Based Models: A Case Study on Carbon Credits in a Local Economy. , 2010, , .		2
47	Toward an Early Warning System for Health Issues Related to Particulate Matter Exposure in Brazil: The Feasibility of Using Global PM2.5 Concentration Forecast Products. Remote Sensing, 2020, 12, 4074.	4.0	2
48	Population Estimates from Orbital Data of Medium Spatial Resolution: Applications for a Brazilian Municipality. Sustainability, 2020, 12, 3565.	3.2	2
49	Web Service for Cooperation in Biodiversity Modeling. , 2007, , 203-216.		2
50	SACI_FTR_LOADER: A Dynamic Loader for the On-Board Computer of the First Brazilian Microsatellite. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 91-96.	0.4	1
51	Terrahydro - A distributed hydrological system using graph structure for unified water flow representation. , 2011, , .		1
52	Moving Objects and KML Files. , 2012, , .		1
53	iSAM - Um sistema de indicadores para o monitoramento da Área de Proteção Ambiental Mananciais do Rio Paraíba do Sul. Revista Do Departamento De Geografia, 2017, 33, 63.	0.0	1
54	Identifying Basal Nighttime Radiance Levels for Estimating Traffic Flow based on VIIRS/DNB data. Revista Brasileira De Cartografia, 2021, 73, 1106-1117.	0.2	1

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55	Making species distribution models available on the web for reuse in biodiversity experiments: <i>Euterpe edulis</i> species case study. <i>Sociedade &amp; Natureza</i> , 2009, 21, 39-49.	0.0	0
56	Agricultores como sujeitos da produç�o do territ�rio-patrim�nio: ensaio metodol�gico em propriedades familiares na Regi�o Metropolitana do Vale do Para�ba e Litoral Norte/SP. <i>Gest�o &amp; Tecnologia De Projetos</i> , 2021, 16, .	0.1	0
57	Debate on the paper by Gilberto C�mara & Ant�nio Miguel Vieira Monteiro. <i>Cadernos De Saude Publica</i> , 2001, 17, 1072-1073.	1.0	0
58	Debate on the paper by Gilberto C�mara & Ant�nio Miguel Vieira Monteiro. <i>Cadernos De Saude Publica</i> , 2001, 17, 1076-1076.	1.0	0
59	Games on Cellular Spaces: An Evolutionary Approach. <i>Lecture Notes in Computer Science</i> , 2009, , 535-546.	1.3	0
60	Experiences with a Socio-Environmental Modeling Course. <i>Modelling in Science Education and Learning</i> , 2015, 8, 71.	0.2	0
61	Cartografia do Invis�vel: Revelando a Agricultura de Pequena Escala com Imagens Rapideye na Regi�o do Baixo Tocantins, Pa.. <i>Revista Do Departamento De Geografia</i> , 0, 38, 137-153.	0.0	0
62	Spatial Microsimulation Combined with Skater Regionalization Methods: A Study for the Para�ba Valley and North Coast Metropolitan Region Subregion 4 in the S�o Paulo State. <i>Revista Brasileira De Cartografia</i> , 2020, 72, 713-726.	0.2	0
63	Sustentabilidade urbana na Amaz�nia. <i>Tem�ticas</i> , 2021, 29, 49-73.	0.1	0