Emmanuel Roux

List of Publications by Year
in descending order

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46 papers	1,066 citations	471509 17 h-index	414414 32 g-index
47 all docs	47 docs citations	47 times ranked	1512 citing authors

#	Article	IF	Citations
1	Spatio-Temporal Dynamics of Plasmodium falciparum and Plasmodium vivax in French Guiana: 2005â€“2019. International Journal of Environmental Research and Public Health, 2021, 18, 1077.	2.6	3
2	AccÃ¨s aux soins, prÃ©vention des maladies vectorielles et coopÃ©ration transfrontaliÃ¨re en santÃ© : une analyse qualitative Ã la frontiÃ¨re brÃ©silienne. , 2021, , 111-127.		0
3	Ecology, evolution, and epidemiology of zoonotic and vector-borne infectious diseases in French Guiana: Transdisciplinarity does matter to tackle new emerging threats. Infection, Genetics and Evolution, 2021, 93, 104916.	2.3	22
4	Kdr genotyping in Aedes aegypti from Brazil on a nation-wide scale from 2017 to 2018. Scientific Reports, 2020, 10, 13267.	3.3	22
5	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
6	Resurgence risk for malaria, and the characterization of a recent outbreak in an Amazonian border area between French Guiana and Brazil. BMC Infectious Diseases, 2020, 20, 373.	2.9	17
7	Correcting the effect of sampling bias in species distribution modeling â€“ A new method in the case of a low number of presence data. Ecological Informatics, 2020, 57, 101086.	5.2	13
8	A Mapping Review on Urban Landscape Factors of Dengue Retrieved from Earth Observation Data, GIS Techniques, and Survey Questionnaires. Remote Sensing, 2020, 12, 932.	4.0	21
9	Complementarity of empirical and process-based approaches to modelling mosquito population dynamics with Aedes albopictus as an exampleâ€”Application to the development of an operational mapping tool of vector populations. PLoS ONE, 2020, 15, e0227407.	2.5	21
10	Contributing to Elimination of Cross-Border Malaria Through a Standardized Solution for Case Surveillance, Data Sharing, and Data Interpretation: Development of a Cross-Border Monitoring System. JMIR Public Health and Surveillance, 2020, 6, e15409.	2.6	19
11	Prevalence of Plasmodium spp. in the Amazonian Border Context (French Guianaâ€“Brazil): Associated Factors and Spatial Distribution. American Journal of Tropical Medicine and Hygiene, 2020, 102, 130-141.	1.4	19
12	A Semantic-Based Approach for Landscape Identification. Studies in Computational Intelligence, 2019, , 119-136.	0.9	0
13	Estimativa populacional pelo modelo people in pixel aplicado ao estudo da dengue no Distrito Federal-Brasil. Confins, 2019, , .	0.1	0
14	From global action against malaria to local issues: state of the art and perspectives of web platforms dealing with malaria information. Malaria Journal, 2018, 17, 122.	2.3	5
15	Wetlands and Malaria in the Amazon: Guidelines for the Use of Synthetic Aperture Radar Remote-Sensing. International Journal of Environmental Research and Public Health, 2018, 15, 468.	2.6	19
16	Apports de la combinaison dâ€™images satellites optique et RADAR dans lâ€™Ã©tude des maladies Ã transmission vectorielle : cas du paludisme Ã la frontiÃ¨re Guyane franÃ§aise â€“ BrÃ©sil. Confins, 2018, , .	0.1	5
17	Observer la Terre pour apprÃ©hender spatialement les inÃ©galitÃ©s de santÃ©Â: regard historique et prospectif sur lâ€™utilisation de la tÃ©lÃ©dÃ©tection dans le domaine de la santÃ©. Confins, 2018, , .	0.1	2
18	Regionalization of a Landscape-Based Hazard Index of Malaria Transmission: An Example of the State of AmapÃ¡, Brazil. Data, 2017, 2, 37.	2.3	2

#	Article	IF	Citations
19	Anopheles fauna of coastal Cayenne, French Guiana: modelling and mapping of species presence using remotely sensed land cover data. Memorias Do Instituto Oswaldo Cruz, 2016, 111, 750-756.	1.6	7
20	Mapping a Knowledge-Based Malaria Hazard Index Related to Landscape Using Remote Sensing: Application to the Cross-Border Area between French Guiana and Brazil. Remote Sensing, 2016, 8, 319.	4.0	22
21	Distribution of the Habitat Suitability of the Main Malaria Vector in French Guiana Using Maximum Entropy Modeling. Journal of Medical Entomology, 2016, 54, tjw199.	1.8	8
22	Mapping soil typologies using geomorphologic features extracted from dem and SAR data: A environmental factor affecting malaria transmission in the Amazon. , 2016, , .		0
23	Multi-sensor data fusion for identifying malaria environmental features. , 2016, , .		1
24	Dynamical Mapping of Anopheles darlingi Densities in a Residual Malaria Transmission Area of French Guiana by Using Remote Sensing and Meteorological Data. PLoS ONE, 2016, 11, e0164685.	2.5	20
25	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
26	Structural knowledge learning from maps for supervised land cover/use classification: Application to the monitoring of land cover/use maps in French Guiana. Computers and Geosciences, 2015, 76, 31-40.	4.2	6
27	Land cover, land use and malaria in the Amazon: a systematic literature review of studies using remotely sensed data. Malaria Journal, 2013, 12, 192.	2.3	56
28	Objective sampling design in a highly heterogeneous landscape - characterizing environmental determinants of malaria vector distribution in French Guiana, in the Amazonian region. BMC Ecology, 2013, 13, 45.	3.0	11
29	Water level dynamics of Amazon wetlands at the watershed scale by satellite altimetry. International Journal of Remote Sensing, 2012, 33, 3323-3353.	2.9	50
30	Studying relationships between environment and malaria incidence in Camopi (French Guiana) through the objective selection of buffer-based landscape characterisations. International Journal of Health Geographics, 2011, 10, 65.	2.5	31
31	Spatial patterns and eco-epidemiological systems â€“ part II: characterising spatial patterns of the occurrence of the insect vectors of Chagas disease based on remote sensing and field data. Geospatial Health, 2011, 6, 53.	0.8	5
32	Spatial patterns and eco-epidemiological systems â€“ part I: multi-scale spatial modelling of the occurrence of Chagas disease insect vectors. Geospatial Health, 2011, 6, 41.	0.8	10
33	Unravelling the relationships betweenAnopheles darlingi(Diptera: Culicidae) densities, environmental factors and malaria incidence: understanding the variable patterns of malarial transmission in French Guiana (South America). Annals of Tropical Medicine and Parasitology, 2011, 105, 107-122.	1.6	44
34	Producing time series of river water height by means of satellite radar altimetryâ€”a comparative study. Hydrological Sciences Journal, 2010, 55, 104-120.	2.6	27
35	Hydrological monitoring of poorly gauged basins based on rainfallâ€“runoff modeling and spatial altimetry. Journal of Hydrology, 2009, 379, 205-219.	5.4	68
36	Exploring Time Series Retrieved from Cardiac Implantable Devices for Optimizing Patient Follow-Up. IEEE Transactions on Biomedical Engineering, 2008, 55, 2343-2352.	4.2	8

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37	Floodplain hydrology in an Amazon floodplain lake (Lago Grande de CuruaÃ). Journal of Hydrology, 2008, 349, 18-30.	5.4	157
38	Daily water stage estimated from satellite altimetric data for large river basin monitoring / Estimation de hauteurs d'eau journaliÃ¨res a partir de donnÃ©es d'altimÃ©trie radar pour la surveillance des grands basins fluviaux. Hydrological Sciences Journal, 2008, 53, 81-99.	2.6	18
39	Monitoring water level in large trans-boundary ungauged basins with altimetry: the example of ENVISAT over the Amazon basin. Proceedings of SPIE, 2008, , .	0.8	5
40	Clustering follow-up time-series recorded by cardiac implantable devices. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3848-51.	0.5	3
41	Linking clinical measurements and kinematic gait patterns of toe-walking using fuzzy decision trees. Gait and Posture, 2007, 25, 475-484.	1.4	49
42	Spontaneous Reporting System Modelling for the Evaluation of Automatic Signal Generation Methods in Pharmacovigilance. , 2007, , 75-92.		0
43	A support method for the contextual interpretation of biomechanical data. IEEE Transactions on Information Technology in Biomedicine, 2006, 10, 109-118.	3.2	9
44	Evaluation of statistical association measures for the automatic signal generation in pharmacovigilance. IEEE Transactions on Information Technology in Biomedicine, 2005, 9, 518-527.	3.2	73
45	Trends in Spontaneous Adverse Drug Reaction Reports to the French Pharmacovigilance System (1986???2001). Drug Safety, 2005, 28, 731-740.	3.2	93
46	Evaluation of the global optimisation method within the upper limb kinematics analysis. Journal of Biomechanics, 2002, 35, 1279-1283.	2.1	90