# Jean Francois Mas

List of Publications by Year
in descending order



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|---|---|---|---|
| 90 papers | 3,524 citations | 172207 29 h-index | 143772 57 g-index |
| 94 all docs | 94 docs citations | 94 times ranked | 3888 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Species distribution modeling as an approach to studying the processes of landscape domestication in central southern Mexico. Landscape Ecology, 2022, 37, 461-476. | 1.9 | 2 |
| 2 | Spatial patterns and determinants of avocado frontier dynamics in Mexico. Regional Environmental Change, 2022, 22, 28. | 1.4 | 6 |
| 3 | Mapping the spatial distribution of stand age and aboveground biomass from Landsat time series analyses of forest cover loss in tropical dry forests. Remote Sensing in Ecology and Conservation, 2022, 8, 347-361. | 2.2 | 5 |
| 4 | Comparing the structural uncertainty and uncertainty management in four common Land Use Cover Change (LUCC) model software packages. Environmental Modelling and Software, 2022, 153, 105411. | 1.9 | 11 |
| 5 | Land Use Cover Mapping, Modelling and Validation. A Background. , 2022, , 21-33. | | 2 |
| 6 | Potential expansion of Hass avocado cultivation under climate change scenarios threatens Mexican mountain ecosystems. Crop and Pasture Science, 2021, 72, 291-301. | 0.7 | 15 |
| 7 | Stage 1 registered report: spatiotemporal patterns of the COVID-19 epidemic in Mexico at the municipality level. PeerJ, 2021, 9, e10622. | 0.9 | 1 |
| 8 | Spatio-temporal dataset of COVID-19 outbreak in Mexico. Data in Brief, 2021, 35, 106843. | 0.5 | 5 |
| 9 | Assessing Landsat Images Availability and Its Effects on Phenological Metrics. Forests, 2021, 12, 574. | 0.9 | 5 |
| 10 | Integrating farmersâ€™ decisions on the assessment of forest regeneration drivers in a rural landscape of Southeastern Brazil. Perspectives in Ecology and Conservation, 2021, 19, 338-344. | 1.0 | 6 |
| 11 | Merged phytosociological and geographical approach for multiple scale vegetation mapping as a baseline for public environmental policy in Mexico. Applied Vegetation Science, 2021, 24, e12595. | 0.9 | 3 |
| 12 | Land Use Land Cover Classification with U-Net: Advantages of Combining Sentinel-1 and Sentinel-2 Imagery. Remote Sensing, 2021, 13, 3600. | 1.8 | 53 |
| 13 | Spatiotemporal patterns of the COVID-19 epidemic in Mexico at the municipality level. PeerJ, 2021, 9, e12685. | 0.9 | 5 |
| 14 | An integrative analysis of threats affecting protected areas in a biodiversity stronghold in Southeast Mexico. Global Ecology and Conservation, 2020, 24, e01297. | 1.0 | 7 |
| 15 | Improving aboveground biomass maps of tropical dry forests by integrating LiDAR, ALOS PALSAR, climate and field data. Carbon Balance and Management, 2020, 15, 15. | 1.4 | 36 |
| 16 | Simulation of Land Use/Cover Change in the Kingdom of Calakmul During the Late Classic Period (AD) Tj ETQq0 0 0 rgBT /Overlock 10 T | 0.6 | 1 |
| 17 | Google Earth Engine (GEE): una poderosa herramienta que vincula el potencial de los datos masivos y la eficacia del procesamiento en la nube. Investigaciones GeogrÃ¡ficas, 2020, , . | 0.0 | 4 |
| 18 | Patrones espaciales asociados a la infestaciÃ³n comunitaria por vectores de la enfermedad de Chagas. Revista CartogrÃ¡fica, 2020, , 41-59. | 0.2 | 0 |

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|---|---|---|---|
| 19 | Patrones espaciales asociados a la infestaciÃ³n comunitaria por vectores de la enfermedad de Chagas. Revista CartogrÃ¡fica, 2020, , 41-59. | 0.2 | 0 |
| 20 | AnÃ¡lisis del proceso de deforestaciÃ³n en el estado de MichoacÃ¡n: de lo espacial a lo social. Revista CartogrÃ¡fica, 2020, , 99-117. | 0.2 | 0 |
| 21 | AnÃ¡lisis del proceso de deforestaciÃ³n en el estado de MichoacÃ¡n: de lo espacial a lo social. Revista CartogrÃ¡fica, 2020, , 99-117. | 0.2 | 0 |
| 22 | DegradaciÃ³n ambiental por procesos de cambios de uso y cubierta del suelo desde una perspectiva espacial en el estado de Guanajuato, MÃ©xico. Investigaciones GeogrÃ¡ficas, 2020, , . | 0.0 | 2 |
| 23 | Patrones espaciotemporales de las observaciones de Sentinel-2 a nivel de imagen y pÃxel sobre el territorio mexicano entre 2015 y 2019. Revista De Teledeteccion, 2020, , 103. | 0.6 | 1 |
| 24 | High-resolution mapping of protected agriculture in Mexico, through remote sensing data cloud geoprocessing. European Journal of Remote Sensing, 2019, 52, 532-541. | 1.7 | 17 |
| 25 | Variables Selection for Aboveground Biomass Estimations Using Satellite Data: A Comparison between Relative Importance Approach and Stepwise Akaikeâ€™s Information Criterion. ISPRS International Journal of Geo-Information, 2019, 8, 245. | 1.4 | 8 |
| 26 | Analysis of High Temporal Resolution Land Use/Land Cover Trajectories. Land, 2019, 8, 30. | 1.2 | 12 |
| 27 | An expert knowledge approach for mapping vegetation cover based upon free access cartographic data: the Tehuacan-Cuicatlan Valley, Central Mexico. Biodiversity and Conservation, 2019, 28, 1361-1388. | 1.2 | 10 |
| 28 | Comparison of techniques for missing lines reconstruction of RapidEye imagery. Journal of Applied Remote Sensing, 2019, 13, 1. | 0.6 | 0 |
| 29 | High overlap between traditional ecological knowledge and forest conservation found in the Bolivian Amazon. Ambio, 2018, 47, 908-923. | 2.8 | 28 |
| 30 | Holocene precipitation changes in the Maya forest, YucatÃ¡n peninsula, Mexico. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 505, 42-52. | 1.0 | 13 |
| 31 | Assessing forest cover change in Mexico from annual MODIS VCF data (2000â€“2010). International Journal of Remote Sensing, 2018, 39, 7901-7918. | 1.3 | 11 |
| 32 | Modeling anthropic factors as drivers of wildfire occurrence at the Monarch Butterfly Biosphere. Madera Bosques, 2018, 24, . | 0.1 | 4 |
| 33 | Land use/land cover change detection combining automatic processing and visual interpretation. European Journal of Remote Sensing, 2017, 50, 626-635. | 1.7 | 44 |
| 34 | Susceptibility to gravitational processes due to land cover change in the RÃo Chiquito-Barranca del Muerto subbasin (Pico De Orizaba Volcano, MÃ©xico). Journal of Mountain Science, 2017, 14, 2511-2526. | 0.8 | 6 |
| 35 | EvaluaciÃ³n de las tasas de deforestaciÃ³n en MichoacÃ¡n a escala detallada mediante un mÃ©todo hÃbrido de clasificaciÃ³n de imÃ¡genes SPOT. Madera Bosques, 2017, 23, 119-132. | 0.1 | 28 |
| 36 | Comment on Gebhardt et al. MAD-MEX: Automatic Wall-to-Wall Land Cover Monitoring for the Mexican REDD-MRV Program Using All Landsat Data. Remote Sens. 2014, 6, 3923â€“3943. Remote Sensing, 2016, 8, 533. | 1.8 | 10 |

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| 37 | AnÃ¡lisis jerÃ¡rquico de la intensidad de cambio de cobertura/uso de suelo y deforestaciÃ³n (2000-2008) en la Reserva de la Biosfera Sierra de ManantlÃ¡n, MÃ©xico. Investigaciones GeogrÃ¡ficas, 2016, , . | 0.0 | 7 |
| 38 | Spatiotemporal modeling of fuelwood environmental impacts: Towards improved accounting for non-renewable biomass. Environmental Modelling and Software, 2016, 82, 241-254. | 1.9 | 23 |
| 39 | Validation of MODIS Vegetation Continuous Fields for monitoring deforestation and forest degradation: two cases in Mexico. Geocarto International, 2016, 31, 1019-1031. | 1.7 | 9 |
| 40 | Identifying Local Deforestation Patterns Using Geographically Weighted Regression Models. Communications in Computer and Information Science, 2016, , 36-49. | 0.4 | 0 |
| 41 | AnÃ¡lisis y modelaciÃ³n de los procesos de deforestaciÃ³n: un caso de estudio en la cuenca del rÃo Coyuquilla, Guerrero, MÃ©xico. Investigaciones GeogrÃ¡ficas, 2015, , . | 0.0 | 9 |
| 42 | Modeling Historical Land Cover and Land Use: A Review fromContemporary Modeling. ISPRS International Journal of Geo-Information, 2015, 4, 1791-1812. | 1.4 | 30 |
| 43 | Comparison of simulation models in terms of quantity and allocation of land change. Environmental Modelling and Software, 2015, 69, 214-221. | 1.9 | 103 |
| 44 | ComposiciÃ³n y estructura arbÃ³rea de petenes en la Reserva de la Biosfera de Los Petenes, Campeche, MÃ©xico. Polibotanica, 2015, . | 0.1 | 2 |
| 45 | A Suite of Tools for Assessing Thematic Map Accuracy. Geography Journal, 2014, 2014, 1-10. | 0.8 | 20 |
| 46 | National level biomass database comparison for Mexico in relation to vegetation degradation stages. , 2014, , . | | 0 |
| 47 | Validation of MODIS vegetation continuous fields in two areas in Mexico. , 2014, , . | | 2 |
| 48 | Deforestation and land tenure in Mexico: A response to Bonilla-Moheno et al.. Land Use Policy, 2014, 39, 390-396. | 2.5 | 13 |
| 49 | Inductive pattern-based land use/cover change models: A comparison of four software packages. Environmental Modelling and Software, 2014, 51, 94-111. | 1.9 | 356 |
| 50 | Land tenure and forest cover change. The case of southwestern Beni, Bolivian Amazon, 1986â€“2009. Applied Geography, 2013, 43, 113-126. | 1.7 | 38 |
| 51 | Estimating the spatial distribution of woody biomass suitable for charcoal making from remote sensing and geostatistics in central Mexico. Energy for Sustainable Development, 2013, 17, 177-188. | 2.0 | 30 |
| 52 | Evaluating drivers of land-use change and transition potential models in a complex landscape in Southern Mexico. International Journal of Geographical Information Science, 2013, 27, 1804-1827. | 2.2 | 88 |
| 53 | Enhanced land use/cover classification of heterogeneous tropical landscapes using support vector machines and textural homogeneity. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 372-383. | 1.4 | 89 |
| 54 | Land change modelling: moving beyond projections. International Journal of Geographical Information Science, 2013, 27, 1691-1695. | 2.2 | 31 |

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| 55 | Interest in intermediate soft-classified maps in land change model validation: suitability versus transition potential. International Journal of Geographical Information Science, 2013, 27, 2343-2361. | 2.2 | 45 |
| 56 | A Suite of Tools for ROC Analysis of Spatial Models. ISPRS International Journal of Geo-Information, 2013, 2, 869-887. | 1.4 | 104 |
| 57 | Assessing simulated land use/cover maps using similarity and fragmentation indices. Ecological Complexity, 2012, 11, 38-45. | 1.4 | 41 |
| 58 | Land cover mapping applications with MODIS: a literature review. International Journal of Digital Earth, 2012, 5, 63-87. | 1.6 | 53 |
| 59 | Comparing two approaches to land use/cover change modeling and their implications for the assessment of biodiversity loss in a deciduous tropical forest. Environmental Modelling and Software, 2012, 29, 11-23. | 1.9 | 153 |
| 60 | Interpolating Socioeconomic Data for the Analysis of Deforestation: A Comparison of Methods. Journal of Geographic Information System, 2012, 04, 358-365. | 0.3 | 10 |
| 61 | Optimal region growing segmentation and its effect on classification accuracy. International Journal of Remote Sensing, 2011, 32, 3747-3763. | 1.3 | 100 |
| 62 | Ã©clairer le choix des outils de simulation des changements des modes dâ€™occupation et dâ€™usages des sols. Une approche comparative. Revue Internationale De GÃ©omatique, 2011, 21, 405-430. | 0.2 | 27 |
| 63 | EvaluaciÃ³n de imÃ¡genes del sensor MODIS para la cartografÃa de la cobertura del suelo en una regiÃ³n altamente diversa de MÃ©xico. Boletin De La Sociedad Geologica Mexicana, 2011, 63, 83-94. | 0.1 | 3 |
| 64 | Trends of tropical deforestation in Southeast Mexico. Singapore Journal of Tropical Geography, 2010, 31, 180-196. | 0.6 | 35 |
| 65 | Mapping land cover changes in Mexico, 1976-2000 and applications for guiding environmental management policy. Singapore Journal of Tropical Geography, 2010, 31, 152-162. | 0.6 | 27 |
| 66 | Accuracy assessment of the Mexican National Forest Inventory map: A study in four ecogeographical areas. Singapore Journal of Tropical Geography, 2010, 31, 163-179. | 0.6 | 13 |
| 67 | Sensitivity of landscape pattern metrics to classification approaches. Forest Ecology and Management, 2010, 259, 1215-1224. | 1.4 | 37 |
| 68 | Object-based image analysis for coal fire-related land cover mapping in coal mining areas. Geocarto International, 2009, 24, 25-36. | 1.7 | 21 |
| 69 | The improvement of an object-oriented classification using multi-temporal MODIS EVI satellite data. International Journal of Digital Earth, 2009, 2, 219-236. | 1.6 | 13 |
| 70 | An Accuracy Index with Positional and Thematic Fuzzy Bounds for Land-use/Land-cover Maps. Photogrammetric Engineering and Remote Sensing, 2009, 75, 789-805. | 0.3 | 10 |
| 71 | The application of artificial neural networks to the analysis of remotely sensed data. International Journal of Remote Sensing, 2008, 29, 617-663. | 1.3 | 441 |
| 72 | Tropical Deforestation, Community Forests, and Protected Areas in the Maya Forest. Ecology and Society, 2008, 13, . | 1.0 | 143 |

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| 73 | Comparison of pixelâ€based and objectâ€oriented image classification approachesâ€”a case study in a coal fire area, Wuda, Inner Mongolia, China. International Journal of Remote Sensing, 2006, 27, 4039-4055. | 1.3 | 262 |
| 74 | Change Estimates by Map Comparison: A Method to Reduce Erroneous Changes Due to Positional Error. Transactions in GIS, 2005, 9, 619-629. | 1.0 | 30 |
| 75 | Assessing protected area effectiveness using surrounding (buffer) areas environmentally similar to the target area. Environmental Monitoring and Assessment, 2005, 105, 69-80. | 1.3 | 95 |
| 76 | Mapping land use/cover in a tropical coastal area using satellite sensor data, GIS and artificial neural networks. Estuarine, Coastal and Shelf Science, 2004, 59, 219-230. | 0.9 | 74 |
| 77 | Modelling deforestation using GIS and artificial neural networks. Environmental Modelling and Software, 2004, 19, 461-471. | 1.9 | 172 |
| 78 | Assessing land use/cover changes: a nationwide multidate spatial database for Mexico. International Journal of Applied Earth Observation and Geoinformation, 2004, 5, 249-261. | 1.4 | 199 |
| 79 | Land use-cover change processes in highly biodiverse areas: the case of Oaxaca, Mexico. Global Environmental Change, 2003, 13, 175-184. | 3.6 | 116 |
| 80 | ModalitÃ©s de la dÃ©forestation dans le sud-ouest de l'Ã‰tat du Campeche, Mexique. Canadian Journal of Forest Research, 2001, 31, 1280-1288. | 0.8 | 13 |
| 81 | Une revue des mÃ©thodes et des techniques de tÃ©lÃ©dÃ©tection du changement. Canadian Journal of Remote Sensing, 2000, 26, 349-362. | 1.1 | 30 |
| 82 | Using satellite estimates of aboveground biomass to assess carbon stocks in a mixed-management, semi-deciduous tropical forest in the Yucatan Peninsula. Geocarto International, 0, , 1-22. | 1.7 | 1 |
| 83 | Benchmarking of LUCC modelling tools by various validation techniques and error analysis. CyberGeo, 0, , . | 0.0 | 34 |
| 84 | CHANGE DETECTION AND LAND USE / LAND COVER DATABASE UPDATING USING IMAGE SEGMENTATION, GIS ANALYSIS AND VISUAL INTERPRETATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 61-65. | 0.2 | 7 |
| 85 | ASSESSING MODIFIABLE AREAL UNIT PROBLEM IN THE ANALYSIS OF DEFORESTATION DRIVERS USING REMOTE SENSING AND CENSUS DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 77-80. | 0.2 | 2 |
| 86 | AnÃ¡lise da disponibilidade de imagens Landsat e Sentinel para o Brasil. Geografia Ensino & Pesquisa, 0, 24, e47. | 0.0 | 1 |
| 87 | CALIBRATING CELLULAR AUTOMATA OF LAND USE/COVER CHANGE MODELS USING A GENETIC ALGORITHM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 67-70. | 0.2 | 0 |
| 88 | EVALUATION OF ANNUAL MODIS PTC DATA FOR DEFORESTATION AND FOREST DEGRADATION ANALYSIS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B2, 9-13. | 0.2 | 0 |
| 89 | INCERTIDUMBRE DE MODELOS ESTADÃSTICOS ASOCIADA A LOS NIVELES DE AGREGACIÃ“N DE LA INFORMACIÃ“N ESPACIAL. Geofocus Revista Internacional De Ciencia Y TecnologÃa De La InformaciÃ³n GeogrÃ¡fica, 0, , 169-186. | 0.5 | 0 |
| 90 | DimensiÃ³n espacial de las decisiones sobre manejo de tierras. Un modelo de anÃ¡lisis. Research in Computing Science, 0, 31, . | 0.1 | 0 |