# Guillaume Cornu

List of Publications by Year
in descending order



| 27 | 937 | 516710 16 | 552781 26 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 27 | 27 | 27 | 1857 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Spatial validation reveals poor predictive performance of large-scale ecological mapping models. Nature Communications, 2020, 11, 4540. | 12.8 | 232 |
| 2 | Geological Substrates Shape Tree Species and Trait Distributions in African Moist Forests. PLoS ONE, 2012, 7, e42381. | 2.5 | 75 |
| 3 | Evaluation of Sentinel-1 and 2 Time Series for Land Cover Classification of Forestâ€“Agriculture Mosaics in Temperate and Tropical Landscapes. Remote Sensing, 2019, 11, 979. | 4.0 | 74 |
| 4 | Environmental filtering of dense-wooded species controls above-ground biomass stored in African moist forests. Journal of Ecology, 2011, 99, 981-990. | 4.0 | 72 |
| 5 | Vegetation structure and greenness in Central Africa from Modis multi-temporal data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120309. | 4.0 | 59 |
| 6 | Using models to predict recovery and assess tree species vulnerability in logged tropical forests: A case study from French Guiana. Forest Ecology and Management, 2005, 209, 69-85. | 3.2 | 53 |
| 7 | An evolutionary perspective on leaf economics: phylogenetics of leaf mass per area in vascular plants. Ecology and Evolution, 2014, 4, 2799-2811. | 1.9 | 53 |
| 8 | Unveiling African rainforest composition and vulnerability to global change. Nature, 2021, 593, 90-94. | 27.8 | 53 |
| 9 | The light-deficient climates of western Central African evergreen forests. Environmental Research Letters, 2019, 14, 034007. | 5.2 | 30 |
| 10 | The Potential of Multisource Remote Sensing for Mapping the Biomass of a Degraded Amazonian Forest. Forests, 2018, 9, 303. | 2.1 | 29 |
| 11 | The determinants of tropical forest deciduousness: disentangling the effects of rainfall and geology in central Africa. Journal of Ecology, 2016, 104, 924-935. | 4.0 | 26 |
| 12 | Tree roots can penetrate deeply in African semi-deciduous rain forests: evidence from two common soil types. Journal of Tropical Ecology, 2015, 31, 13-23. | 1.1 | 25 |
| 13 | Multiple Patterns of Forest Disturbance and Logging Shape Forest Landscapes in Paragominas, Brazil. Forests, 2016, 7, 315. | 2.1 | 24 |
| 14 | UAV-based canopy textures assess changes in forest structure from long-term degradation. Ecological Indicators, 2020, 115, 106386. | 6.3 | 23 |
| 15 | Temperature rising would slow down tropical forest dynamic in the Guiana Shield. Scientific Reports, 2019, 9, 10235. | 3.3 | 20 |
| 16 | A map of African humid tropical forest aboveground biomass derived from management inventories. Scientific Data, 2020, 7, 221. | 5.3 | 16 |
| 17 | Relationships between demography and gene flow and their importance for the conservation of tree populations in tropical forests under selective felling regimes. Conservation Genetics, 2011, 12, 15-29. | 1.5 | 13 |
| 18 | Climate change would lead to a sharp acceleration of Central African forests dynamics by the end of the century. Environmental Research Letters, 2019, 14, 044002. | 5.2 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Impact of uncertainty in tree mortality on the predictions of a tropical forest dynamics model. Ecological Modelling, 2008, 218, 290-306. | 2.5 | 9 |
| 20 | Mapping ecosystem services at the regional scale: the validity of an upscaling approach. International Journal of Geographical Information Science, 2018, 32, 1593-1610. | 4.8 | 9 |
| 21 | Mixture of inhomogeneous matrix models for speciesâ€rich ecosystems. Environmetrics, 2015, 26, 39-51. | 1.4 | 8 |
| 22 | Estimation Ã grande Ã©chelle de l'ouverture du couvert forestier en Afrique centrale Ã l'aide de donnÃ©es de tÃ©lÃ©dÃ©tection. Bois Et Forets Des Tropiques, 2013, 315, 3. | 0.2 | 8 |
| 23 | How wildfires increase sensitivity of Amazon forests to droughts. Environmental Research Letters, 2022, 17, 044031. | 5.2 | 6 |
| 24 | Component-based regularization of a multivariate GLM with a thematic partitioning of the explanatory variables. Statistical Modelling, 2020, 20, 96-119. | 1.1 | 3 |
| 25 | Supervised Component Generalized Linear Regression with Multiple Explanatory Blocks: THEME-SCGLR. Springer Proceedings in Mathematics and Statistics, 2016, , 141-154. | 0.2 | 3 |
| 26 | Assessing the Causes of Tropical Forest Degradation Using Landsat Time Series: A Case Study in the Brazilian Amazon. , 2021, , . | | 1 |
| 27 | Macrotermes termite mounds influence the spatial pattern of tree species in two African rainforest sites, in northern Congo. But were they really forests in the past?. Journal of Tropical Ecology, 2022, 38, 267-274. | 1.1 | 1 |