

# Joao V Soares

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

2,098  
citations

430874

18  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

3284  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Distribution of aboveground live biomass in the Amazon basin. <i>Global Change Biology</i> , 2007, 13, 816-837.   | 9.5  | 528       |
| 2  | HAND, a new terrain descriptor using SRTM-DEM: Mapping terra-firme rainforest environments in Amazonia. <i>Remote Sensing of Environment</i> , 2008, 112, 3469-3481.  | 11.0 | 392       |
| 3  | Growth and water balance of <i>Eucalyptus grandis</i> hybrid plantations in Brazil during a rotation for pulp production. <i>Forest Ecology and Management</i> , 2007, 251, 10-21.  | 3.2  | 152       |
| 4  | Characterization of pasture biophysical properties and the impact of grazing intensity using remotely sensed data. <i>Remote Sensing of Environment</i> , 2007, 109, 314-327.   | 11.0 | 119       |
| 5  | Mapping deforestation and land use in amazon rainforest by using SIR-C imagery. <i>Remote Sensing of Environment</i> , 1997, 59, 191-202.   | 11.0 | 107       |
| 6  | Biomass of primary and secondary vegetation in Rondônia, Western Brazilian Amazon. <i>Global Change Biology</i> , 1997, 3, 451-461.   | 9.5  | 102       |
| 7  | Modeling the water balance and soil water fluxes in a fast growing <i>Eucalyptus</i> plantation in Brazil. <i>Journal of Hydrology</i> , 2001, 253, 130-147.  | 5.4  | 90        |
| 8  | Evaluation of hyperspectral data for pasture estimate in the Brazilian Amazon using field and imaging spectrometers. <i>Remote Sensing of Environment</i> , 2008, 112, 1569-1583.   | 11.0 | 82        |
| 9  | Modeling the spatial and temporal heterogeneity of deforestation-driven carbon emissions: the INPE-EM framework applied to the Brazilian Amazon. <i>Global Change Biology</i> , 2012, 18, 3346-3366.                        | 9.5  | 81        |
| 10 | Studies of land-cover, land-use, and biophysical properties of vegetation in the Large Scale Biosphere Atmosphere experiment in Amazônia. <i>Remote Sensing of Environment</i> , 2003, 87, 377-388.                         | 11.0 | 69        |
| 11 | Remote sensing for irrigation water management in the semi-arid Northeast of Brazil. <i>Agricultural Water Management</i> , 2009, 96, 1398-1408.  | 5.6  | 63        |
| 12 | Exploratory study of the relationship between tropical forest regeneration stages and SIR-C L and C data. <i>Remote Sensing of Environment</i> , 1997, 59, 180-190.   | 11.0 | 60        |
| 13 | An investigation of the selection of texture features for crop discrimination using SAR imagery. <i>Remote Sensing of Environment</i> , 1997, 59, 234-247.  | 11.0 | 53        |
| 14 | Relationships among soil fertility dynamics and remotely sensed measures across pasture chronosequences in Rondônia, Brazil. <i>Remote Sensing of Environment</i> , 2003, 87, 446-455.                                      | 11.0 | 40        |
| 15 | Multi-scale variability in tropical soil nutrients following land-cover change. <i>Biogeochemistry</i> , 2005, 74, 173-203.   | 3.5  | 40        |
| 16 | Estimation of bare soil evaporation from airborne measurements. <i>Journal of Hydrology</i> , 1988, 99, 281-296.  | 5.4  | 39        |
| 17 | Biomass collapse and carbon emissions from forest fragmentation in the Brazilian Amazon. <i>Journal of Geophysical Research</i> , 2010, 115, .  | 3.3  | 31        |
| 18 | Temporal nutrient variation in soil and vegetation of post-forest pastures as a function of soil order, pasture age, and management, Rondônia, Brazil. <i>Agriculture, Ecosystems and Environment</i> , 2007, 118, 159-172. | 5.3  | 26        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Determining dynamics of spatial and temporal structures of forest edges in South Western Amazonia. Forest Ecology and Management, 2009, 258, 2547-2555.                   | 3.2 | 14        |
| 20 | Regional Characterization of Pasture Changes through Time and Space in Rondônia, Brazil. Earth Interactions, 2007, 11, 1-25.  | 1.5 | 10        |
| 21 | <title>Selection of texture features for crop discrimination using SAR imagery</title>. , 1997, , .   |     | 0         |
| 22 | Estimating biophysical properties of eucalyptus plantations using optical remote sensing techniques. , 1998, , .  |     | 0         |
| 23 | <title>Water budget model of a eucalyptus forest using a canopy characterization by remote sensing techniques and a soil water flux parameterization</title>. , 2001, , . |     | 0         |