Debora Regina Roberti

List of Publications by Year
in descending order

63	727	686830 13	580395 25
papers	citations	h-index	g-index

67	67	67	1233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing geeSEBAL automated calibration and meteorological reanalysis uncertainties to estimate evapotranspiration in subtropical humid climates. Agricultural and Forest Meteorology, 2022, 314, 108775.	1.9	10
2	Assessing uncertainties in estimating surface energy fluxes from remote sensing over natural grasslands in Brazil. Theoretical and Applied Climatology, 2022, 148, 751-765.	1.3	1
3	Patterns and Controls of the Latent and Sensible Heat Fluxes in the Brazilian Pampa Biome. Atmosphere, 2022, 13, 23.	1.0	4
4	CO₂ flux in a wheatâ€soybean succession in subtropical Brazil: A carbon sink. Journal of Environmental Quality, 2022, 51, 899-915.	1.0	4
5	Analysis of Thermal and Roughness Effects on the Turbulent Characteristics of Experimentally Simulated Boundary Layers in a Wind Tunnel. International Journal of Environmental Research and Public Health, 2022, 19, 5134.	1.2	3
6	Regional-scale meteorological characteristics of the Vento Norte phenomenon observed in Southern Brazil. Environmental Fluid Mechanics, 2022, 22, 819-837.	0.7	3
7	Meteorological Observations of the Vento Norte Phenomenon in the Central Region of Rio Grande do Sul. Revista Brasileira De Meteorologia, 2021, 36, 367-376.	0.2	5
8	The Fallow Period Plays an Important Role in Annual CH4 Emission in a Rice Paddy in Southern Brazil. Sustainability, 2021, 13, 11336.	1.6	2
9	Evaluation of Atmospheric Downward Longwave Radiation in the Brazilian Pampa Region. Atmosphere, 2021, 12, 28.	1.0	4
10	Artificial Neural Network Model of Soil Heat Flux over Multiple Land Covers in South America. Remote Sensing, 2021, 13, 2337.	1.8	5
11	Employing Spectral Analysis to Obtain Dispersion Parameters in an Atmospheric Environment Driven by a Mesoscale Downslope Windstorm. International Journal of Environmental Research and Public Health, 2021, 18, 13027.	1.2	2
12	Influence of clearness index and soil moisture in the soil thermal dynamic in natural pasture in the Brazilian Pampa biome. Geoderma, 2020, 378, 114582.	2.3	14
13	Energy and CO2 Fluxes over Native Fields of Southern Brazil through Multi-Objective Calibration of INLAND Model. Geosciences (Switzerland), 2020, 10, 479.	1.0	0
14	The Influence of Land Surface Temperature in Evapotranspiration Estimated by the S-SEBI Model. Atmosphere, 2020, 11, 1059.	1.0	12
15	A quasi-experimental coastal region eddy diffusivity applied in the APUGRID model. Annales Geophysicae, 2020, 38, 603-610.	0.6	0
16	Artificial neural networks model based on remote sensing to retrieve evapotranspiration over the Brazilian Pampa. Journal of Applied Remote Sensing, 2020, 14, .	0.6	12
17	Dynamics of the superficial fluxes over a flooded rice paddy in southern Brazil. Agricultural and Forest Meteorology, 2019, 276-277, 107650.	1.9	19
18	Employing the Method of Characteristics to Obtain the Solution of Spectral Evolution of Turbulent Kinetic Energy Density Equation in an Isotropic Flow. Atmosphere, 2019, 10, 612.	1.0	0

#	Article	IF	Citations
19	Evaluation of MOD16 Algorithm over Irrigated Rice Paddy Using Flux Tower Measurements in Southern Brazil. Water (Switzerland), 2019, 11, 1911.	1.2	22
20	Assessing CERES Surface Radiation Components for Tropical and Subtropical Biomes. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3826-3840.	2.3	4
21	Assessment of terrestrial water balance using remote sensing data in South America. Journal of Hydrology, 2019, 575, 131-147.	2.3	62
22	A Numerical Model to Estimate the Soil Thermal Conductivity Using Field Experimental Data. Applied Sciences (Switzerland), 2019, 9, 4799.	1.3	8
23	Development of an analytical Lagrangian model for passive scalar dispersion in low-wind speed meandering conditions. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1007-1015.	1.2	1
24	An overview of the micrometeorological field campaign at Santa Maria, Southern Brazil: the Pampaâ€2016 experiment. Meteorological Applications, 2018, 25, 435-444.	0.9	2
25	Evaluation of OSEB and SEBAL models for energy balance of a crop area in a humid subtropical climate. Bragantia, 2018, 77, 609-621.	1.3	4
26	Evapotranspiration of the Brazilian Pampa Biome: Seasonality and Influential Factors. Water (Switzerland), 2018, 10, 1864.	1.2	38
27	Influence of Soil Properties in Different Management Systems: Estimating Soybean Water Changes in the Agro-IBIS Model. Earth Interactions, 2018, 22, 1-19.	0.7	4
28	Characterization of Wind Meandering in Low-Wind-Speed Conditions. Boundary-Layer Meteorology, 2016, 161, 165-182.	1.2	48
29	Employing the Hilbertâ€“Huang Transform to analyze observed natural complex signals: Calm wind meandering cases. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 1189-1196.	1.2	5
30	Eddy diffusivities for the convective boundary layer derived from LES spectral data. Atmospheric Pollution Research, 2015, 6, 605-611.	1.8	2
31	Seasonality of soil water exchange in the soybean growing season in southern Brazil. Scientia Agricola, 2015, 72, 103-113.	0.6	6
32	Proposal of a new autocorrelation function in low wind speed conditions. Physica A: Statistical Mechanics and Its Applications, 2015, 438, 286-292.	1.2	9
33	Simulating Cassava Growth and Yield under Potential Conditions in Southern Brazil. Agronomy Journal, 2014, 106, 1119-1137.	0.9	23
34	Energy Partitioning and Evapotranspiration over a Rice Paddy in Southern Brazil. Journal of Hydrometeorology, 2014, 15, 1975-1988.	0.7	37
35	The Influence of Submeso Processes on Stable Boundary Layer Similarity Relationships. Journals of the Atmospheric Sciences, 2014, 71, 207-225.	0.6	61
36	Mechanisms of water supply and vegetation demand govern the seasonality and magnitude of evapotranspiration in Amazonia and Cerrado. Agricultural and Forest Meteorology, 2014, 191, 33-50.	1.9	105

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37	Estimativa dos componentes do balanÃ§o de energia e da evapotranspiraÃ§Ã£o para Ã¡reas de cultivo de soja no sul do Brasil utilizando imagens do sensor TM Landsat 5. Bragantia, 2014, 73, 72-80.	1.3	5
38	Derivation of the Turbulent Time Scales and Velocity Variances from LES Spectral Data: Application in a Lagrangian Stochastic Dispersion Model. The Open Atmospheric Science Journal, 2014, 8, 16-21.	0.5	1
39	Overview of the Large-Scale Biosphereâ€“Atmosphere Experiment in Amazonia Data Model Intercomparison Project (LBA-DMIP). Agricultural and Forest Meteorology, 2013, 182-183, 111-127.	1.9	55
40	Inter-annual variability of carbon and water fluxes in Amazonian forest, Cerrado and pasture sites, as simulated by terrestrial biosphere models. Agricultural and Forest Meteorology, 2013, 182-183, 145-155.	1.9	30
41	Characterizing the relative role of low-frequency and turbulent processes in the nocturnal boundary layer through the analysis of two-point correlations of the wind components. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1510-1521.	1.2	4
42	NDVI e fluxo de CO2 em lavoura de soja no Rio Grande do Sul. Revista Brasileira De Meteorologia, 2013, 28, 95-104.	0.2	4
43	Entropic Approach for Emission Rate Estimation of Area Pollutant Sources. American Journal of Environmental Engineering, 2013, 3, 56-62.	0.5	0
44	Evaluation of a Dynamic Agroecosystem Model (Agro-IBIS) for Soybean in Southern Brazil. Earth Interactions, 2012, 16, 1-15.	0.7	17
45	A Brazilian network of carbon flux stations. Eos, 2012, 93, 203-203.	0.1	7
46	Estimativa da radiaÃ§Ã£o fotossinteticamente ativa absorvida pela cultura da soja atravÃ©s de dados do sensor Modis. Bragantia, 2012, 71, 563-571.	1.3	4
47	Employing a Lagrangian stochastic dispersion model and classical diffusion experiments to evaluate two turbulence parameterization schemes. Atmospheric Pollution Research, 2011, 2, 384-393.	1.8	6
48	DifusÃ£o de contaminantes em condiÃ§Ãµes de vento fraco empregando um modelo estocÃ¡stico Lagrangeano. Revista Brasileira De Meteorologia, 2009, 24, 364-377.	0.2	0
49	Employing turbulent and meandering time scales to modeling the contaminants enhanced horizontal dispersion. Atmospheric Research, 2009, 93, 811-817.	1.8	5
50	Turbulent statistical characteristics associated to the north wind phenomenon in southern Brazil with application to turbulent diffusion. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4376-4386.	1.2	12
51	Estimation of the Lagrangian Kolmogorov constant from Eulerian measurements for distinct Reynolds number with application to pollution dispersion model. Atmospheric Environment, 2008, 42, 2415-2423.	1.9	3
52	Derivation of a decorrelation timescale depending on source distance for inhomogeneous turbulence in a convective boundary layer. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 55-65.	1.2	3
53	Parallel Implementation of a Lagrangian Stochastic Model for Pollutant Dispersion. International Journal of Parallel Programming, 2005, 33, 485-498.	1.1	4
54	Identifying Counter-Gradient term in atmospheric convective boundary layer. Inverse Problems in Science and Engineering, 2004, 12, 329-339.	1.2	4

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55	Lagrangian stochastic dispersion modelling for the simulation of the release of contaminants from tall and low sources. Meteorologische Zeitschrift, 2002, 11, 89-97.	0.5	17
56	Parallel Implementation of a Lagrangian Stochastic Model for Pollution Dispersion. , 0, , .		0
57	Testing Physical and Mathematical Criteria in a New Meandering Autocorrelation Function. , 0, , .		1
58	ESTIMATIVA DA EVAPOTRANSPIRAÃ‡ÃƒO EM ÃREA DE PASTAGEM EM SANTA MARIA â€“ RS. CiÃªncia E Natura, 0, 38, 300.	0.0	4
59	Impacto do uso do filtro â€œvelocidade de fricÃ§Ã£oâ€•em estimativas anuais de carbono sobre ecossistemas de pastagem natural. CiÃªncia E Natura, 0, 42, e7.	0.0	0
60	Escoamento de drenagem sobre terreno ondulado. CiÃªncia E Natura, 0, 42, e16.	0.0	0
61	AvaliaÃ§Ã£o dos parÃ¢metros de turbulÃªncia em fluxos de metano para uma Ã¡rea de arroz irrigado no sul do Brasil. CiÃªncia E Natura, 0, 42, e5.	0.0	0
62	Energy balance in a renewal sugarcane area with fallow period and soybean cultivation. CiÃªncia E Natura, 0, 42, e39.	0.0	0
63	Estudo do regime tÃ©rmico do solo em uma Ã¡rea de vegetaÃ§Ã£o natural no bioma Pampa. CiÃªncia E Natura, 0, 42, e9.	0.0	0