

# Serge Rambal

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

184  
papers

17,099  
citations

64  
h-index

128  
g-index

193  
ext. papers

18,827  
ext. citations

6.4  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
184	Enhanced spring warming in a Mediterranean mountain by atmospheric circulation.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7721	4.9	
183	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , <b>2020</b> , 26, 3336-3355	11.4	30
182	Consequences of drought severity for tropical live oak ( <i>Quercus oleoides</i> ) in Mesoamerica. <i>Ecological Applications</i> , <b>2020</b> , 30, e02135	4.9	1
181	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , <b>2020</b> , 7, 225	8.2	256
180	Recruitment Niches of <i>Enterolobium contortisiliquum</i> (Vell.) Morong: Functional Acclimations to Light. <i>Forests</i> , <b>2018</b> , 9, 266	2.8	0
179	Impacts of droughts and extreme-temperature events on gross primary production and ecosystem respiration: a systematic assessment across ecosystems and climate zones. <i>Biogeosciences</i> , <b>2018</b> , 15, 1293-1318	4.6	79
178	Stand age and species richness dampen interannual variation of ecosystem-level photosynthetic capacity. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 48	12.3	60
177	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 243, 9-18	5.8	43
176	Recent climate hiatus revealed dual control by temperature and drought on the stem growth of Mediterranean <i>Quercus ilex</i> . <i>Global Change Biology</i> , <b>2017</b> , 23, 42-55	11.4	22
175	Spatial Pattern of the Seasonal Drought/Burned Area Relationship across Brazilian Biomes: Sensitivity to Drought Metrics and Global Remote-Sensing Fire Products. <i>Climate</i> , <b>2017</b> , 5, 42	3.1	23
174	Panarchy of an indigenous agroecosystem in the globalized market: The quinoa production in the Bolivian Altiplano. <i>Global Environmental Change</i> , <b>2016</b> , 39, 195-204	10.1	23
173	Remotely-sensed detection of effects of extreme droughts on gross primary production. <i>Scientific Reports</i> , <b>2016</b> , 6, 28269	4.9	48
172	Trends in Quinoa Yield over the Southern Bolivian Altiplano: Lessons from Climate and Land-Use Projections <b>2015</b> , 47-62		2
171	Growth duration is a better predictor of stem increment than carbon supply in a Mediterranean oak forest: implications for assessing forest productivity under climate change. <i>New Phytologist</i> , <b>2015</b> , 207, 579-90	9.8	90
170	Soil Drought Anomalies in MODIS GPP of a Mediterranean Broadleaved Evergreen Forest. <i>Remote Sensing</i> , <b>2015</b> , 7, 1154-1180	5	10
169	Is the WBE model appropriate for semi-arid shrubs subjected to clear cutting?. <i>Tree Physiology</i> , <b>2015</b> , 35, 197-208	4.2	5
168	Relationships between photochemical reflectance index and light-use efficiency in deciduous and evergreen broadleaf forests. <i>Remote Sensing of Environment</i> , <b>2014</b> , 144, 73-84	13.2	61

167	Land management and land-cover change have impacts of similar magnitude on surface temperature. <i>Nature Climate Change</i> , <b>2014</b> , 4, 389-393	21.4	304
166	How reliable are methods to assess xylem vulnerability to cavitation? The issue of 'open vessel' artifact in oaks. <i>Tree Physiology</i> , <b>2014</b> , 34, 894-905	4.2	57
165	Vegetation-specific model parameters are not required for estimating gross primary production. <i>Ecological Modelling</i> , <b>2014</b> , 292, 1-10	3	32
164	Combined effects of climate, resource availability, and plant traits on biomass produced in a Mediterranean rangeland. <i>Ecology</i> , <b>2014</b> , 95, 737-48	4.6	31
163	Stem CO <sub>2</sub> efflux and its contribution to ecosystem CO <sub>2</sub> efflux decrease with drought in a Mediterranean forest stand. <i>Agricultural and Forest Meteorology</i> , <b>2014</b> , 195-196, 61-72	5.8	41
162	How drought severity constrains gross primary production(GPP) and its partitioning among carbon pools in a <i>Quercus ilex</i> coppice?. <i>Biogeosciences</i> , <b>2014</b> , 11, 6855-6869	4.6	31
161	Evaluation of the potential of MODIS satellite data to predict vegetation phenology in different biomes: An investigation using ground-based NDVI measurements. <i>Remote Sensing of Environment</i> , <b>2013</b> , 132, 145-158	13.2	266
160	The temporal response to drought in a Mediterranean evergreen tree: comparing a regional precipitation gradient and a throughfall exclusion experiment. <i>Global Change Biology</i> , <b>2013</b> , 19, 2413-26	11.4	82
159	Change in water loss regulation after canopy clearcut of a dominant shrub in Sahelian agrosystems, <i>Guiera senegalensis</i> J. F. Gmel. <i>Trees - Structure and Function</i> , <b>2013</b> , 27, 1011-1022	2.6	6
158	Drought Influences the Accuracy of Simulated Ecosystem Fluxes: A Model-Data Meta-analysis for Mediterranean Oak Woodlands. <i>Ecosystems</i> , <b>2013</b> , 16, 749-764	3.9	37
157	Ectomycorrhizal fungal diversity in <i>Quercus ilex</i> Mediterranean woodlands: variation among sites and over soil depth profiles in hyphal exploration types, species richness and community composition. <i>Symbiosis</i> , <b>2013</b> , 61, 1-12	3	16
156	Carbon and water vapor fluxes over four forests in two contrasting climatic zones. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 180, 211-224	5.8	21
155	<i>Quercus ilex</i> recruitment in a drier world: A multi-stage demographic approach. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2013</b> , 15, 106-117	3	43
154	Differential regional responses in drought length, intensity and timing to recent climate changes in a Mediterranean forested ecosystem. <i>Climatic Change</i> , <b>2013</b> , 117, 103-117	4.5	46
153	Multiyear impacts of partial throughfall exclusion on <i>Buxus sempervirens</i> in a Mediterranean forest. <i>Forest Systems</i> , <b>2013</b> , 22, 202	0.9	1
152	The Sustainability of Quinoa Production in Southern Bolivia: from Misrepresentations to Questionable Solutions. Comments on Jacobsen (2011, <i>J. Agron. Crop Sci.</i> 197: 390-399). <i>Journal of Agronomy and Crop Science</i> , <b>2012</b> , 198, 314-319	3.9	21
151	Ground-based Network of NDVI measurements for tracking temporal dynamics of canopy structure and vegetation phenology in different biomes. <i>Remote Sensing of Environment</i> , <b>2012</b> , 123, 234-245	13.2	139
150	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , <b>2012</b> , 194, 775-783	9.8	81

149	Urgent need for a common metric to make precipitation manipulation experiments comparable. <i>New Phytologist</i> , <b>2012</b> , 195, 518-522	9.8	82
148	On the temporal upscaling of evapotranspiration from instantaneous remote sensing measurements to 8-day mean daily-sums. <i>Agricultural and Forest Meteorology</i> , <b>2012</b> , 152, 212-222	5.8	90
147	Quantifying the influence of climate and biological drivers on the interannual variability of carbon exchanges in European forests through process-based modelling. <i>Agricultural and Forest Meteorology</i> , <b>2012</b> , 154-155, 99-112	5.8	35
146	How do variations in the temporal distribution of rainfall events affect ecosystem fluxes in seasonally water-limited Northern Hemisphere shrublands and forests?. <i>Biogeosciences</i> , <b>2012</b> , 9, 1007-1024	4.6	32
145	How errors on meteorological variables impact simulated ecosystem fluxes: a case study for six French sites. <i>Biogeosciences</i> , <b>2012</b> , 9, 2537-2564	4.6	30
144	Plant physiological ecology and the global changes. <i>Ciencia E Agrotecnologia</i> , <b>2012</b> , 36, 253-269	1.6	6
143	Morphological and phenological shoot plasticity in a Mediterranean evergreen oak facing long-term increased drought. <i>Oecologia</i> , <b>2012</b> , 169, 565-77	2.9	64
142	Long-term physiological and morphological acclimation by the evergreen shrub <i>Buxus sempervirens</i> L. to understory and canopy gap light intensities. <i>Trees - Structure and Function</i> , <b>2012</b> , 26, 479-491	2.6	20
141	Gas exchange and leaf aging in an evergreen oak: causes and consequences for leaf carbon balance and canopy respiration. <i>Tree Physiology</i> , <b>2012</b> , 32, 464-77	4.2	21
140	Photosynthetic sensitivity to drought varies among populations of <i>Quercus ilex</i> along a rainfall gradient. <i>Functional Plant Biology</i> , <b>2012</b> , 39, 25-37	2.7	52
139	Opposite changes in leaf dark respiration and soluble sugars with drought in two Mediterranean oaks. <i>Functional Plant Biology</i> , <b>2011</b> , 38, 1004-1015	2.7	30
138	Remote sensing of ecosystem light use efficiency with MODIS-based PRI. <i>Biogeosciences</i> , <b>2011</b> , 8, 189-202	4.6	57
137	Leaf CO <sub>2</sub> efflux is attenuated by acclimation of respiration to heat and drought in a Mediterranean tree. <i>Functional Ecology</i> , <b>2011</b> , 25, 983-995	5.6	25
136	Phenological responses to extreme droughts in a Mediterranean forest. <i>Global Change Biology</i> , <b>2011</b> , 17, 1036-1048	11.4	87
135	Seasonal hysteresis of net ecosystem exchange in response to temperature change: patterns and causes. <i>Global Change Biology</i> , <b>2011</b> , 17, 3102-3114	11.4	49
134	Scaling-up leaf monoterpene emissions from a water limited <i>Quercus ilex</i> woodland. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 2888-2897	5.3	19
133	Soil carbon model alternatives for ECHAM5/JSBACH climate model: Evaluation and impacts on global carbon cycle estimates. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		32
132	Is selective thinning an adequate practice for adapting <i>Quercus ilex</i> coppices to climate change?. <i>Annals of Forest Science</i> , <b>2011</b> , 68, 575-585	3.1	57

131	Downscaling MODIS-derived maps using GIS and boosted regression trees: The case of frost occurrence over the arid Andean highlands of Bolivia. <i>Remote Sensing of Environment</i> , <b>2011</b> , 115, 117-129	13.2	61
130	Identification of vegetation and soil carbon pools out of equilibrium in a process model via eddy covariance and biometric constraints. <i>Global Change Biology</i> , <b>2010</b> , 16, 2813-2829	11.4	67
129	Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , <b>2010</b> , 5, 034007	6.2	116
128	Change in hydraulic traits of Mediterranean Quercus ilex subjected to long-term throughfall exclusion. <i>Tree Physiology</i> , <b>2010</b> , 30, 1026-36	4.2	70
127	Mast seeding under increasing drought: results from a long-term data set and from a rainfall exclusion experiment. <i>Ecology</i> , <b>2010</b> , 91, 3057-68	4.6	130
126	On the differential advantages of evergreenness and deciduousness in mediterranean oak woodlands: a flux perspective <b>2010</b> , 20, 1583-97		88
125	Detecting the critical periods that underpin interannual fluctuations in the carbon balance of European forests. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		21
124	Do photosynthetic limitations of evergreen Quercus ilex leaves change with long-term increased drought severity?. <i>Plant, Cell and Environment</i> , <b>2010</b> , 33, 863-75	8.4	80
123	Reply to comment by Llorens et al. on Modelling rainfall interception in a Mediterranean Quercus ilex ecosystem: Lesson from a throughfall exclusion experiment [Journal of Hydrology 357 (2008) 57-66]. <i>Journal of Hydrology</i> , <b>2009</b> , 365, 142-143	6	1
122	Modelling the drought impact on monoterpene fluxes from an evergreen Mediterranean forest canopy. <i>Oecologia</i> , <b>2009</b> , 160, 213-23	2.9	47
121	Exceptional carbon uptake in European forests during the warm spring of 2007: a data-model analysis. <i>Global Change Biology</i> , <b>2009</b> , 15, 1455-1474	11.4	96
120	Long-term transpiration change with rainfall decline in a Mediterranean Quercus ilex forest. <i>Global Change Biology</i> , <b>2009</b> , 15, 2163-2175	11.4	149
119	Functional changes in the control of carbon fluxes after 3 years of increased drought in a Mediterranean evergreen forest?. <i>Global Change Biology</i> , <b>2009</b> , 16, 2461	11.4	21
118	Tracking seasonal drought effects on ecosystem light use efficiency with satellite-based PRI in a Mediterranean forest. <i>Remote Sensing of Environment</i> , <b>2009</b> , 113, 1101-1111	13.2	85
117	Drought reduced monoterpene emissions from the evergreen Mediterranean oak <i>Quercus ilex</i>: results from a throughfall displacement experiment. <i>Biogeosciences</i> , <b>2009</b> , 6, 1167-1180	4.6	64
116	Seed supply, drought, and grazing determine spatio-temporal patterns of recruitment for native and introduced invasive pines in grasslands. <i>Diversity and Distributions</i> , <b>2008</b> , 14, 862-874	5	42
115	Seasonal and annual variation of carbon exchange in an evergreen Mediterranean forest in southern France. <i>Global Change Biology</i> , <b>2008</b> , 14, 714-725	11.4	143
114	Modelling rainfall interception in a mediterranean Quercus ilex ecosystem: Lesson from a throughfall exclusion experiment. <i>Journal of Hydrology</i> , <b>2008</b> , 357, 57-66	6	95

113	Implications of the carbon cycle steady state assumption for biogeochemical modeling performance and inverse parameter retrieval. <i>Global Biogeochemical Cycles</i> , <b>2008</b> , 22, n/a-n/a	5.9	99
112	Quality control of CarboEurope flux data [Part 1: Coupling footprint analyses with flux data quality assessment to evaluate sites in forest ecosystems. <i>Biogeosciences</i> , <b>2008</b> , 5, 433-450	4.6	164
111	Reduction of ecosystem productivity and respiration during the European summer 2003 climate anomaly: a joint flux tower, remote sensing and modelling analysis. <i>Global Change Biology</i> , <b>2007</b> , 13, 634-651	11.4	423
110	Stomatal regulation of photosynthesis in apple leaves: evidence for different water-use strategies between two cultivars. <i>Annals of Botany</i> , <b>2007</b> , 100, 1347-56	4.1	71
109	Evidence for soil water control on carbon and water dynamics in European forests during the extremely dry year: 2003. <i>Agricultural and Forest Meteorology</i> , <b>2007</b> , 143, 123-145	5.8	427
108	Functional Attributes in Mediterranean-Type Ecosystems <b>2007</b> , 285-312		19
107	Functional Attributes in Mediterranean-Type Ecosystems. <i>Books in Soils, Plants, and the Environment</i> , <b>2007</b> ,		1
106	Contrasted effects of water limitation on leaf functions and growth of two emergent co-occurring plant species, <i>Cladium mariscus</i> and <i>Phragmites australis</i> . <i>Aquatic Botany</i> , <b>2006</b> , 84, 191-198	1.8	21
105	Sensitivity of water and carbon fluxes to climate changes from 1960 to 2100 in European forest ecosystems. <i>Agricultural and Forest Meteorology</i> , <b>2006</b> , 141, 35-56	5.8	90
104	Towards a standardized processing of Net Ecosystem Exchange measured with eddy covariance technique: algorithms and uncertainty estimation. <i>Biogeosciences</i> , <b>2006</b> , 3, 571-583	4.6	994
103	Adaptative above-ground biomass, stand density and leaf water potential to droughts and clearing in <i>Guiera senegalensis</i> , a dominant shrub in Sahelian fallows (Niger). <i>Journal of Tropical Ecology</i> , <b>2005</b> , 21, 203-213	1.3	17
102	Summer and winter sensitivity of leaves and xylem to minimum freezing temperatures: a comparison of co-occurring Mediterranean oaks that differ in leaf lifespan. <i>New Phytologist</i> , <b>2005</b> , 168, 597-612	9.8	95
101	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. <i>Global Change Biology</i> , <b>2005</b> , 11, 1424-1439	11.4	2253
100	Europe-wide reduction in primary productivity caused by the heat and drought in 2003. <i>Nature</i> , <b>2005</b> , 437, 529-33	50.4	2643
99	Quality analysis applied on eddy covariance measurements at complex forest sites using footprint modelling. <i>Theoretical and Applied Climatology</i> , <b>2005</b> , 80, 121-141	3	153
98	Long-term forest dynamic after land abandonment in a fire prone Mediterranean landscape (central Corsica, France). <i>Landscape Ecology</i> , <b>2005</b> , 20, 101-112	4.3	65
97	The growth respiration component in eddy CO <sub>2</sub> flux from a <i>Quercus ilex</i> mediterranean forest. <i>Global Change Biology</i> , <b>2004</b> , 10, 1460-1469	11.4	89
96	Isoprenoid emissions of <i>Quercus</i> spp. ( <i>Q. suber</i> and <i>Q. ilex</i> ) in mixed stands contrasting in interspecific genetic introgression. <i>New Phytologist</i> , <b>2004</b> , 163, 573-584	9.8	63

95	The Cohesion-Tension Theory. <i>New Phytologist</i> , <b>2004</b> , 163, 451-452	9.8	54
94	An examination of the interaction between climate, soil and leaf area index in a <i>Quercus ilex</i> ecosystem. <i>Annals of Forest Science</i> , <b>2003</b> , 60, 153-161	3.1	62
93	The key-role of topsoil moisture on CO <sub>2</sub> efflux from a Mediterranean <i>Quercus ilex</i> forest. <i>Annals of Forest Science</i> , <b>2003</b> , 60, 519-526	3.1	63
92	Some determinants of the spatio-temporal fire cycle in a mediterranean landscape (Corsica, France). <i>Landscape Ecology</i> , <b>2003</b> , 18, 665-674	4.3	79
91	<i>Quercus ilex</i> Transpiration as Affected by a Prolonged Drought Period. <i>Biologia Plantarum</i> , <b>2003</b> , 46, 49-55	2.1	40
90	How growth conditions affect the capacity of <i>Quercus ilex</i> leaves to emit monoterpenes. <i>New Phytologist</i> , <b>2003</b> , 158, 61-73	9.8	32
89	How growth conditions affect the capacity of <i>Quercus ilex</i> leaves to emit monoterpenes. <i>New Phytologist</i> , <b>2003</b> , 158, 61-73	9.8	60
88	Drought controls over conductance and assimilation of a Mediterranean evergreen ecosystem: scaling from leaf to canopy. <i>Global Change Biology</i> , <b>2003</b> , 9, 1813-1824	11.4	167
87	Modeling temporal and large-scale spatial variability of soil respiration from soil water availability, temperature and vegetation productivity indices. <i>Global Biogeochemical Cycles</i> , <b>2003</b> , 17, n/a-n/a	5.9	431
86	Inverse modeling of seasonal drought effects on canopy CO <sub>2</sub> /H <sub>2</sub> O exchange in three Mediterranean ecosystems. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		129
85	Seasonal pattern of monoterpene synthase activities in leaves of the evergreen tree <i>Quercus ilex</i> . <i>Physiologia Plantarum</i> , <b>2002</b> , 114, 354-360	4.6	70
84	Ecosystem respiration in two Mediterranean evergreen Holm Oak forests: drought effects and decomposition dynamics. <i>Functional Ecology</i> , <b>2002</b> , 16, 27-39	5.6	223
83	Simulating climate change impacts on fire frequency and vegetation dynamics in a Mediterranean-type ecosystem. <i>Global Change Biology</i> , <b>2002</b> , 8, 423-437	11.4	193
82	Severe drought effects on ecosystem CO <sub>2</sub> and H <sub>2</sub> O fluxes at three Mediterranean evergreen sites: revision of current hypotheses?. <i>Global Change Biology</i> , <b>2002</b> , 8, 999-1017	11.4	400
81	Impact of drought on seasonal monoterpene emissions from <i>Quercus ilex</i> in southern France. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACH 15-1-ACH 15-9		60
80	Simulating carbon and water flows and growth in a Mediterranean evergreen <i>Quercus ilex</i> coppice using the FOREST-BGC model. <i>Forest Ecology and Management</i> , <b>2002</b> , 164, 121-136	3.9	50
79	Comment les arbres méditerranéens affrontent-ils l'imprévisibilité de la ressource en eau ?. <i>Houille Blanche</i> , <b>2002</b> , 88, 33-37	0.3	
78	Directional effect on radiative surface temperature measurements over a semiarid grassland site. <i>Remote Sensing of Environment</i> , <b>2001</b> , 76, 360-372	13.2	41

77	Coupling a grassland ecosystem model with Landsat imagery for a 10-year simulation of carbon and water budgets. <i>Remote Sensing of Environment</i> , <b>2001</b> , 78, 131-149	13.2	65
76	Effect of elevated CO <sub>2</sub> on monoterpene emission of young <i>Quercus ilex</i> trees and its relation to structural and ecophysiological parameters. <i>Tree Physiology</i> , <b>2001</b> , 21, 437-45	4.2	85
75	Within-tree variation in transpiration in isolated evergreen oak trees: evidence in support of the pipe model theory. <i>Tree Physiology</i> , <b>2001</b> , 21, 409-14	4.2	22
74	Intraspecific variability of monoterpene composition emitted by <i>Quercus ilex</i> leaves. <i>Canadian Journal of Forest Research</i> , <b>2001</b> , 31, 174-180	1.9	28
73	Mediterranean Ecosystems <b>2001</b> ,		8
72	A generic process-based Simulator for mediterranean landscapes (SIERRA): design and validation exercises. <i>Forest Ecology and Management</i> , <b>2001</b> , 147, 75-97	3.9	62
71	Self-organized criticality of wildfires ecologically revisited. <i>Ecological Modelling</i> , <b>2001</b> , 141, 307-311	3	68
70	Non-steady-state modelling of water transfer in a Mediterranean evergreen canopy. <i>Agricultural and Forest Meteorology</i> , <b>2001</b> , 108, 67-83	5.8	36
69	Hierarchy and Productivity of Mediterranean-Type Ecosystems <b>2001</b> , 315-344		27
68	Internal remobilization of carbohydrates, lipids, nitrogen and phosphorus in the Mediterranean evergreen oak <i>Quercus ilex</i> . <i>Tree Physiology</i> , <b>2001</b> , 21, 9-17	4.2	74
67	Intraspecific variability of monoterpene composition emitted by <i>Quercus ilex</i> leaves. <i>Canadian Journal of Forest Research</i> , <b>2001</b> , 31, 174-180	1.9	21
66	Multiscale Modeling of Vegetation Bands. <i>Ecological Studies</i> , <b>2001</b> , 146-166	1.1	4
65	Time Course of Radiation Use Efficiency in a Shortgrass Ecosystem Consequences for Remotely Sensed Estimation of Primary Production. <i>Remote Sensing of Environment</i> , <b>2000</b> , 71, 43-55	13.2	52
64	Preface paper to the Semi-Arid Land-Surface-Atmosphere (SALSA) Program special issue. <i>Agricultural and Forest Meteorology</i> , <b>2000</b> , 105, 3-20	5.8	44
63	PAR extinction in shortgrass ecosystems: effects of clumping, sky conditions and soil albedo. <i>Agricultural and Forest Meteorology</i> , <b>2000</b> , 105, 21-41	5.8	64
62	Modelling of daily fluxes of water and carbon from shortgrass steppes. <i>Agricultural and Forest Meteorology</i> , <b>2000</b> , 100, 137-153	5.8	57
61	Exploring the relationships between reflectance and anatomical and biochemical properties in <i>Quercus ilex</i> leaves. <i>New Phytologist</i> , <b>1999</b> , 143, 351-364	9.8	71
60	The dehesa system of southern Spain and Portugal as a natural ecosystem mimic. <i>Agroforestry Systems</i> , <b>1999</b> , 45, 57-79	2	233



59	Remote Sensing of Canopy Photosynthetic Performances: Two Complementary Ways for Assessing the Photochemical Reflectance Index. <i>Photosynthetica</i> , <b>1999</b> , 37, 239-247	2.2	7
58	Modelling leaf gas exchange in holm-oak trees in southern Spain. <i>Agricultural and Forest Meteorology</i> , <b>1999</b> , 95, 203-223	5.8	29
57	Seasonal and annual changes in leaf $\delta^{13}C$ in two co-occurring Mediterranean oaks: relations to leaf growth and drought progression. <i>Functional Ecology</i> , <b>1998</b> , 12, 778-785	5.6	86
56	Co-occurrence of trees with different leaf habit: A functional approach on Mediterranean oaks. <i>Acta Oecologica</i> , <b>1998</b> , 19, 195-204	1.7	86
55	Mediterranean terrestrial ecosystems: research priorities on global change effects. <i>Global Ecology and Biogeography</i> , <b>1998</b> , 7, 157-166	6.1	41
54	Combining remote sensing and plant growth modeling to describe the carbon and water budget of semi-arid grasslands <b>1998</b> ,		2
53	Mediterranean Terrestrial Ecosystems: Research Priorities on Global Change Effects. <i>Global Ecology and Biogeography Letters</i> , <b>1998</b> , 7, 157		96
52	Retrieving leaf conductances from sap flows in a mixed Mediterranean woodland: a scaling exercise. <i>Annales Des Sciences Forestières</i> , <b>1998</b> , 55, 173-190		26
51	Time variation of radiation use efficiency of a semiarid grassland: consequences for remotely sensed estimation of primary production <b>1998</b> ,		2
50	Modelling transpiration in holm-oak savannah: scaling up from the leaf to the tree scale. <i>Agricultural and Forest Meteorology</i> , <b>1997</b> , 87, 273-289	5.8	39
49	Between-tree variations in leaf $\delta^{13}C$ of <i>Quercus pubescens</i> and <i>Quercus ilex</i> among Mediterranean habitats with different water availability. <i>Oecologia</i> , <b>1997</b> , 111, 26-35	2.9	91
48	Optimization of carbon gain in canopies of Mediterranean evergreen oaks. <i>Annales Des Sciences Forestières</i> , <b>1996</b> , 53, 547-560		29
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