

JosÃ© M Rey Benayas

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

9,341
citations

53751

45
h-index

40954

93
g-index

116
all docs

116
docs citations

116
times ranked

11223
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of Biodiversity and Ecosystem Services by Ecological Restoration: A Meta-Analysis. <i>Science</i> , 2009, 325, 1121-1124.	6.0	1,265
2	Restoration of ecosystem services and biodiversity: conflicts and opportunities. <i>Trends in Ecology and Evolution</i> , 2011, 26, 541-549.	4.2	729
3	Rapid deforestation and fragmentation of Chilean Temperate Forests. <i>Biological Conservation</i> , 2006, 130, 481-494.	1.9	454
4	A global meta-analysis on the ecological drivers of forest restoration success. <i>Nature Communications</i> , 2016, 7, 11666.	5.8	390
5	Creating woodland islets to reconcile ecological restoration, conservation, and agricultural land use. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 329-336.	1.9	319
6	Rewilding complex ecosystems. <i>Science</i> , 2019, 364, .	6.0	304
7	A global review of past land use, climate, and active vs. passive restoration effects on forest recovery. <i>PLoS ONE</i> , 2017, 12, e0171368.	1.1	265
8	Monitoring land cover change of the dryland forest landscape of Central Chile (1975â€“2008). <i>Applied Geography</i> , 2010, 30, 436-447.	1.7	262
9	Anthropogenic ecosystem disturbance and the recovery debt. <i>Nature Communications</i> , 2017, 8, 14163.	5.8	213
10	Restoration of Biodiversity and Ecosystem Services on Agricultural Land. <i>Ecosystems</i> , 2012, 15, 883-899.	1.6	209
11	Restoration and repair of Earth's damaged ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172577.	1.2	202
12	Impacts of forest fragmentation on species composition and forest structure in the temperate landscape of southern Chile. <i>Global Ecology and Biogeography</i> , 2007, 16, 426-439.	2.7	186
13	The database of the <sc>PREDICTS</sc> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0,784314 rgBT /Ov	0,8	186
14	Quantifying the impacts of ecological restoration on biodiversity and ecosystem services in agroecosystems: A global meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2015, 202, 223-231.	2.5	185
15	Restoration Enhances Wetland Biodiversity and Ecosystem Service Supply, but Results Are Context-Dependent: A Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e93507.	1.1	173
16	Harnessing the biodiversity value of Central and Eastern European farmland. <i>Diversity and Distributions</i> , 2015, 21, 722-730.	1.9	172
17	Increase in size and nitrogen concentration enhances seedling survival in Mediterranean plantations. Insights from an ecophysiological conceptual model of plant survival. <i>New Forests</i> , 2012, 43, 755-770.	0.7	161
18	Clearance and fragmentation of tropical montane forests in the Highlands of Chiapas, Mexico (1975â€“2000). <i>Forest Ecology and Management</i> , 2006, 226, 208-218.	1.4	154

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19	Restoring forests: What constitutes success in the twenty-first century?. <i>New Forests</i> , 2015, 46, 601-614.	0.7	135
20	Radar remote sensing of forest and wetland ecosystems in the Central American tropics. <i>Remote Sensing of Environment</i> , 1994, 48, 205-219.	4.6	134
21	Effects of artificial shading and weed mowing in reforestation of Mediterranean abandoned cropland with contrasting <i>Quercus</i> species. <i>Forest Ecology and Management</i> , 2005, 212, 302-314.	1.4	117
22	Facilitation of <i>Quercus ilex</i> in Mediterranean shrubland is explained by both direct and indirect interactions mediated by herbs. <i>Journal of Ecology</i> , 2010, 98, 687-696.	1.9	116
23	Meta-studies in land use science: Current coverage and prospects. <i>Ambio</i> , 2016, 45, 15-28.	2.8	112
24	Remote sensing and the future of landscape ecology. <i>Progress in Physical Geography</i> , 2009, 33, 528-546.	1.4	107
25	Fostering natural forest regeneration on former agricultural land through economic and policy interventions. <i>Environmental Research Letters</i> , 2020, 15, 043002.	2.2	100
26	Why do large, nitrogen rich seedlings better resist stressful transplanting conditions? A physiological analysis in two functionally contrasting Mediterranean forest species. <i>Forest Ecology and Management</i> , 2010, 260, 71-78.	1.4	97
27	Carbon accumulation in the biomass and soil of different aged secondary forests in the humid tropics of Costa Rica. <i>Forest Ecology and Management</i> , 2011, 262, 1400-1408.	1.4	97
28	Identifying areas of high-value vertebrate diversity for strengthening conservation. <i>Biological Conservation</i> , 2003, 114, 357-370.	1.9	93
29	Global patterns of plant diversity. <i>Evolutionary Ecology</i> , 1994, 8, 331-347.	0.5	92
30	How landscapes change: Integration of spatial patterns and human processes in temperate landscapes of southern Chile. <i>Applied Geography</i> , 2012, 32, 822-831.	1.7	92
31	Growth and survival in <i>Quercus ilex</i> L. seedlings after irrigation and artificial shading on Mediterranean set-aside agricultural land. <i>Annales Des Sciences Forestières</i> , 1998, 55, 801-807.	1.1	87
32	Fragmentation, disturbance and tree diversity conservation in tropical montane forests. <i>Journal of Applied Ecology</i> , 2006, 43, 1172-1181.	1.9	86
33	Distance effect from cloud forest fragments on plant community structure in abandoned pastures in Veracruz, Mexico. <i>Journal of Tropical Ecology</i> , 2006, 22, 431-440.	0.5	76
34	ENVIRONMENTAL HETEROGENEITY, BIRD-MEDIATED DIRECTED DISPERSAL, AND OAK WOODLAND DYNAMICS IN MEDITERRANEAN SPAIN. <i>Ecological Monographs</i> , 2007, 77, 77-97.	2.4	75
35	Salvage logging effects on regulating and supporting ecosystem services – a systematic map. <i>Canadian Journal of Forest Research</i> , 2018, 48, 983-1000.	0.8	74
36	Plant diversity, biogeography and environment in Iberia: Patterns and possible causal factors. <i>Journal of Vegetation Science</i> , 2002, 13, 245-258.	1.1	68

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37	Carbon accumulation in aboveground and belowground biomass and soil of different age native forest plantations in the humid tropical lowlands of Costa Rica. <i>New Forests</i> , 2012, 43, 197-211.	0.7	64
38	Combining ecological, social and technical criteria to select species for forest restoration. <i>Applied Vegetation Science</i> , 2014, 17, 744-753.	0.9	62
39	Native forest replacement by exotic plantations in southern Chile (1985–2011) and partial compensation by natural regeneration. <i>Forest Ecology and Management</i> , 2015, 345, 10-20.	1.4	60
40	An overview of forest loss and restoration in the Brazilian Amazon. <i>New Forests</i> , 2021, 52, 1-16.	0.7	57
41	Performance of <i>Quercus ilex</i> saplings planted in abandoned Mediterranean cropland after long-term interruption of their management. <i>Forest Ecology and Management</i> , 2004, 194, 223-233.	1.4	53
42	The Extent, Distribution, and Fragmentation of Vanishing Montane Cloud Forest in the Highlands of Chiapas, Mexico. <i>Biotropica</i> , 2006, 38, 544-554.	0.8	52
43	Factors influencing vegetation cover change in Mediterranean Central Chile (1975–2008). <i>Applied Vegetation Science</i> , 2011, 14, 571-582.	0.9	52
44	Plant diversity, biogeography and environment in Iberia: Patterns and possible causal factors. <i>Journal of Vegetation Science</i> , 2002, 13, 245.	1.1	48
45	Modelling tree diversity in a highly fragmented tropical montane landscape. <i>Global Ecology and Biogeography</i> , 2006, 15, 602-613.	2.7	48
46	Differential effects of vegetation restoration in Mediterranean abandoned cropland by secondary succession and pine plantations on bird assemblages. <i>Forest Ecology and Management</i> , 2010, 260, 87-95.	1.4	46
47	Measuring rewilding progress. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170433.	1.8	46
48	Long-term recovery of multifunctionality in Mediterranean forests depends on restoration strategy and forest type. <i>Journal of Applied Ecology</i> , 2019, 56, 745-757.	1.9	46
49	Salvage logging effects on regulating ecosystem services and fuel loads. <i>Frontiers in Ecology and the Environment</i> , 2020, 18, 391-400.	1.9	45
50	Title is missing!. <i>Plant Ecology</i> , 2002, 159, 201-209.	0.7	44
51	Patterns of diversity in the strata of boreal montane forest in British Columbia. <i>Journal of Vegetation Science</i> , 1995, 6, 95-98.	1.1	40
52	Landscape Ecology and Diversity Patterns in the Seasonal Tropics from Landsat TM Imagery. , 1995, 5, 386-394.		40
53	Forest Landscape Restoration in the Drylands of Latin America. <i>Ecology and Society</i> , 2012, 17, .	1.0	40
54	Tree diversity in the northern Neotropics: regional patterns in highly diverse Chiapas, Mexico. <i>Ecography</i> , 2004, 27, 741-756.	2.1	38

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55	Persistent Acacia savannas replace Mediterranean sclerophyllous forests in South America. <i>Forest Ecology and Management</i> , 2011, 262, 1100-1108.	1.4	36
56	Predation and aridity slow down the spread of 21-year-old planted woodland islets in restored Mediterranean farmland. <i>New Forests</i> , 2015, 46, 841-853.	0.7	35
57	Commonness and Rarity: Theory and Application of a New Model to Mediterranean Montane Grasslands. <i>Ecology and Society</i> , 1999, 3, .	0.9	34
58	Selecting Species for Passive and Active Riparian Restoration in Southern Mexico. <i>Restoration Ecology</i> , 2013, 21, 163-165.	1.4	30
59	Diversity patterns of wet meadows along geochemical gradients in central Spain. <i>Journal of Vegetation Science</i> , 1993, 4, 103-108.	1.1	29
60	Freshwater Wetland Plant Communities of Northern Belize: Implications for Paleocological Studies of Maya Wetland Agriculture. <i>Biotropica</i> , 1995, 27, 28.	0.8	29
61	Microfaunal soil food webs in Mediterranean semi-arid agroecosystems. Does organic management improve soil health?. <i>Applied Soil Ecology</i> , 2018, 125, 138-147.	2.1	29
62	Potential of pest regulation by insectivorous birds in Mediterranean woody crops. <i>PLoS ONE</i> , 2017, 12, e0180702.	1.1	29
63	Is the interaction between <i>Retama sphaerocarpa</i> and its understorey herbaceous vegetation always reciprocally positive? Competition–facilitation shift during <i>Retama</i> establishment. <i>Acta Oecologica</i> , 2004, 26, 121-128.	0.5	28
64	Effects of Land use on Nocturnal Birds in a Mediterranean Agricultural Landscape. <i>Acta Ornithologica</i> , 2011, 46, 173-182.	0.1	27
65	Effects of area, environmental status and environmental variation on species richness per unit area in Mediterranean wetlands. <i>Journal of Vegetation Science</i> , 1999, 10, 275-280.	1.1	25
66	Multiscale assessment of woody species recruitment in Mediterranean shrublands: facilitation and beyond. <i>Journal of Vegetation Science</i> , 2017, 28, 639-648.	1.1	25
67	Simulated effects of herb competition on planted <i>Quercus faginea</i> seedlings in Mediterranean abandoned cropland. <i>Applied Vegetation Science</i> , 2003, 6, 213.	0.9	24
68	The differential influences of human-induced disturbances on tree regeneration community: a landscape approach. <i>Ecosphere</i> , 2014, 5, 1-17.	1.0	22
69	Shifting demographic conflicts across recruitment cohorts in a dynamic post-disturbance landscape. <i>Ecology</i> , 2016, 97, 2628-2639.	1.5	22
70	Differential effects of local habitat and landscape characteristics on bird communities in Mediterranean afforestations motivated by the EU Common Agrarian Policy. <i>European Journal of Wildlife Research</i> , 2014, 60, 135-143.	0.7	21
71	Effective nut dispersal by magpies (<i>Pica pica</i> L.) in a Mediterranean agroecosystem. <i>Oecologia</i> , 2017, 184, 183-192.	0.9	20
72	Massive and effective acorn dispersal into agroforestry systems by an overlooked vector, the Eurasian magpie (<i>Pica pica</i>). <i>Ecosphere</i> , 2019, 10, e02989.	1.0	20

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73	Conceptual and methodological issues in estimating the success of ecological restoration. <i>Ecological Indicators</i> , 2021, 123, 107362.	2.6	20
74	Placing empirical limits on metapopulation models for terrestrial plants. <i>Evolutionary Ecology</i> , 1997, 11, 275-288.	0.5	19
75	Landscape restoration in a mixed agricultural-forest catchment: Planning a buffer strip and hedgerow network in a Chilean biodiversity hotspot. <i>Ambio</i> , 2020, 49, 310-323.	2.8	19
76	Long-term dynamics of shrub facilitation shape the mixing of evergreen and deciduous oaks in Mediterranean abandoned fields. <i>Journal of Ecology</i> , 2020, 108, 1125-1137.	1.9	19
77	Does post-disturbance salvage logging affect the provision of ecosystem services? A systematic review protocol. <i>Environmental Evidence</i> , 2015, 4, .	1.1	18
78	Identifying areas of high herpetofauna diversity that are threatened by planned infrastructure projects in Spain. <i>Journal of Environmental Management</i> , 2006, 79, 279-289.	3.8	17
79	Local habitat and landscape influence predation of bird nests on afforested Mediterranean cropland. <i>Acta Oecologica</i> , 2014, 58, 35-43.	0.5	17
80	Effects of grass clearing and soil tilling on establishment of planted tree seedlings in tropical riparian pastures. <i>New Forests</i> , 2015, 46, 507-525.	0.7	17
81	Woody species diversity in temperate Andean forests: The need for new conservation strategies. <i>Biological Conservation</i> , 2010, 143, 2080-2091.	1.9	16
82	Balancing land sharing and sparing approaches to promote forest and landscape restoration in agricultural landscapes: Land approaches for forest landscape restoration. <i>Perspectives in Ecology and Conservation</i> , 2019, 17, 201-205.	1.0	16
83	Vegetation Restoration and Other Actions to Enhance Wildlife in European Agricultural Landscapes. , 2015, , 127-142.		16
84	Landscape- and field-scale control of spatial variation of soil properties in Mediterranean montane meadows. <i>Biogeochemistry</i> , 2004, 69, 207-225.	1.7	14
85	Conservation planning of vertebrate diversity in a Mediterranean agricultural-dominant landscape. <i>Biological Conservation</i> , 2011, 144, 2468-2478.	1.9	14
86	The Tree Biodiversity Network (BIOTREE-NET): prospects for biodiversity research and conservation in the Neotropics. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 211-224.	0.2	14
87	Simulated effects of herb competition on planted <i>Quercus faginea</i> seedlings in Mediterranean abandoned cropland. <i>Applied Vegetation Science</i> , 2003, 6, 213-222.	0.9	11
88	Restoring Forests After Land Abandonment. , 2005, , 356-360.		11
89	Early environments drive diversity and floristic composition in Mediterranean old fields: Insights from a long-term experiment. <i>Acta Oecologica</i> , 2008, 34, 311-321.	0.5	11
90	Tree Communities in Three-Year-Old Post-Mining Sites Under Different Forest Restoration Techniques in the Brazilian Amazon. <i>Forests</i> , 2020, 11, 527.	0.9	10

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91	Regional distribution patterns predict bird occurrence in Mediterranean cropland afforestations. <i>Ecological Research</i> , 2014, 29, 203-211.	0.7	9
92	Bird species in Mediterranean pine plantations exhibit different characteristics to those in natural reforested woodlands. <i>Oecologia</i> , 2011, 166, 305-316.	0.9	8
93	Caching territoriality and site preferences by a scatterhoarder drive the spatial pattern of seed dispersal and affect seedling emergence. <i>Journal of Ecology</i> , 2021, 109, 2342-2353.	1.9	8
94	Bosques ribereños del trópico húmedo de México: un caso de estudio y aspectos críticos para una restauración exitosa. <i>Madera Bosques</i> , 2017, 23, 181-193.	0.1	8
95	Drivers of oak establishment in Mediterranean old fields from 25-year-old woodland islets planted to assist natural regeneration. <i>European Journal of Forest Research</i> , 2022, 141, 17-30.	1.1	8
96	Spatial congruence among indicators of recovery completeness in a Mediterranean forest landscape: Implications for planning large-scale restoration. <i>Ecological Indicators</i> , 2019, 102, 752-759.	2.6	7
97	Identification of Critical Areas for Mammal Conservation in the Brazilian Atlantic Forest Biosphere Reserve. <i>Natureza A Conservacao</i> , 2011, 9, 73-78.	2.5	7
98	Modelling tree diversity in a highly fragmented tropical montane landscape. <i>Global Ecology and Biogeography</i> , 2006, .	2.7	6
99	Environmental drivers for riparian restoration success and ecosystem services supply in Mediterranean agricultural landscapes. <i>Agriculture, Ecosystems and Environment</i> , 2022, 337, 108048.	2.5	6
100	Climate and vegetation structure determine plant diversity in <i>Quercus ilex</i> woodlands along an aridity and human-use gradient in Northern Algeria. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2013, 208, 268-284.	0.6	5
101	Analysis of Bundles and Drivers of Change of Multiple Ecosystem Services in an Alpine Region. <i>Journal of Environmental Assessment Policy and Management</i> , 2016, 18, 1650026.	4.3	5
102	Contributions of Hedgerows to People: A Global Meta-Analysis. <i>Frontiers in Conservation Science</i> , 2021, 2, .	0.9	4
103	A Multiinstitutional Spanish Master's Program in Ecosystem Restoration: Vision and Four-Year Experience. <i>Ecological Restoration</i> , 2010, 28, 188-192.	0.6	3
104	Enabling conditions for the implementation and conservation outcomes of a private nature reserve. <i>Ecological Solutions and Evidence</i> , 2020, 1, e12019.	0.8	3
105	Tipología y cartografía por fotointerpretación de los humedales de las cuencas del Duero y del Tajo. <i>Mediterránea Serie De Estudios Biológicos</i> , 1990, , 5-25.	0.2	3
106	We agree with Larkin <i>et al</i> . 2019: restoration is context specific. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191179.	1.2	2
107	Low effect of young afforestations on bird communities inhabiting heterogeneous Mediterranean cropland. <i>PeerJ</i> , 2015, 3, e1453.	0.9	2
108	Ecosystem services in the Paraguayan Humid Chaco: challenges for ecosystem-based management. <i>Ecosistemas</i> , 2018, 27, 115-125.	0.2	2

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109	Evaluation of Soil Erosion Process and Conservation Practices in the Paragominas-pa Municipality (Brazil). <i>Geographia Technica</i> , 2019, 14, 14-35.	0.2	1
110	Enhanced infiltration by trees in floodable cattle ranches in Paraguay. <i>Agroforestry Systems</i> , 2022, 96, 843-855.	0.9	1
111	¿Ramón Margalef, ecólogo de la biosfera. Una biografía científica, de Narcís Prat, Joandomèc Ros y Francesc Peters, 2015. <i>Ecosistemas</i> , 2016, 25, 117.	0.2	0
112	Habitat suitability for Brown bear (<i>Ursus arctos</i>) in the south-eastern Iberian Range. <i>Ecosistemas</i> , 2020, 29, .	0.2	0