Roberto Salguero-Gomez

List of Publications by Year
in descending order

109 papers	8,731 citations	125106 35 h-index	60403 85 g-index
147 all docs	147 docs citations	147 times ranked	15252 citing authors

#	Article	IF	Citations
1	What are the demographic consequences of a seed bank stage for columnar cacti?. Population Ecology, 2022, 64, 35-46.	0.7	2
2	Reply to: Senescence, trait parameterization and (st)age-specific forces of selection. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212610.	1.2	0
3	Life history mediates the tradeâ€offs among different components of demographic resilience. Ecology Letters, 2022, 25, 1566-1579.	3.0	20
4	Transient demographic approaches can drastically expand the toolbox of coral reef science. Coral Reefs, 2022, 41, 885-896.	0.9	5
5	Rpadrino: An R package to access and use <scp>PADRINO</scp>, an open access database of Integral Projection Models. Methods in Ecology and Evolution, 2022, 13, 1923-1929.	2.2	4
6	Bridging gaps in demographic analysis with phylogenetic imputation. Conservation Biology, 2021, 35, 1210-1221.	2.4	18
7	Assessing the accuracy of densityâ€independent demographic models for predicting species ranges. Ecography, 2021, 44, 345-357.	2.1	4
8	Demographic performance of European tree species at their hot and cold climatic edges. Journal of Ecology, 2021, 109, 1041-1054.	1.9	23
9	The projected degradation of subtropical coral assemblages by recurrent thermal stress. Journal of Animal Ecology, 2021, 90, 233-247.	1.3	23
10	Prototypical r-/K-Selected (Fast/Slow) Species. , 2021, , 6346-6349.		0
11	Climatic and evolutionary contexts are required to infer plant life history strategies from functional traits at a global scale. Ecology Letters, 2021, 24, 970-983.	3.0	19
12	Lagged and dormant season climate better predict plant vital rates than climate during the growing season. Global Change Biology, 2021, 27, 1927-1941.	4.2	24
13	Using a residency index to estimate the economic value of coastal habitat provisioning services for commercially important fish species. Conservation Science and Practice, 2021, 3, e363.	0.9	2
14	Erosion of global functional diversity across the tree of life. Science Advances, 2021, 7, .	4.7	114
15	Fineâ€scale spatial variation in fitness is comparable to disturbanceâ€induced fluctuations in a fireâ€adapted species. Ecology, 2021, 102, e03287.	1.5	3
16	Herbaceous perennial plants with short generation time have stronger responses to climate anomalies than those with longer generation time. Nature Communications, 2021, 12, 1824.	5.8	41
17	Demographic analysis of an Israeli Carpobrotus population. PLoS ONE, 2021, 16, e0250879.	1.1	8
18	The myriad of complex demographic responses of terrestrial mammals to climate change and gaps of knowledge: A global analysis. Journal of Animal Ecology, 2021, 90, 1398-1407.	1.3	30

#	Article	IF	Citations
19	Next-gen plant clonal ecology. Perspectives in Plant Ecology, Evolution and Systematics, 2021, 49, 125601.	1.1	15
20	The limits of demographic buffering in coping with environmental variation. Oikos, 2021, 130, 1346-1358.	1.2	14
21	Senescence: why and where selection gradients might not decline with age. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210851.	1.2	31
22	ipmr: Flexible implementation of Integral Projection Models in R. Methods in Ecology and Evolution, 2021, 12, 1826-1834.	2.2	3
23	Phenotypic plasticity masks rangeâ€wide genetic differentiation for vegetative but not reproductive traits in a shortâ€lived plant. Ecology Letters, 2021, 24, 2378-2393.	3.0	21
24	Reconciling resilience across ecological systems, species and subdisciplines. Journal of Ecology, 2021, 109, 3102-3113.	1.9	20
25	Four key challenges in the openâ€data revolution. Journal of Animal Ecology, 2021, 90, 2000-2004.	1.3	9
26	Validity of photo-oxidative stress markers and stress-related phytohormones as predictive proxies of mortality risk in the perennial herb Plantago lanceolata. Environmental and Experimental Botany, 2021, 191, 104598.	2.0	9
27	Journal journeys: Building on our reputation in animal ecology with new ways to publish. Journal of Animal Ecology, 2021, 90, 2724-2725.	1.3	0
28	Integral projection models. , 2021, , 181-196.		2
29	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
30	Comments to â€œPersistent problems in the construction of matrix population modelsâ€• Ecological Modelling, 2020, 416, 108913.	1.2	8
31	Global gene flow releases invasive plants from environmental constraints on genetic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4218-4227.	3.3	108
32	Towards a Comparative Framework of Demographic Resilience. Trends in Ecology and Evolution, 2020, 35, 776-786.	4.2	73
33	Open Science principles for accelerating trait-based science across the Tree of Life. Nature Ecology and Evolution, 2020, 4, 294-303.	3.4	144
34	Testing Finch's hypothesis: The role of organismal modularity on the escape from actuarial senescence. Functional Ecology, 2020, 34, 88-106.	1.7	19
35	Longevity, body dimension and reproductive mode drive differences in aquatic versus terrestrial lifeâ€history strategies. Functional Ecology, 2020, 34, 1613-1625.	1.7	38
36	Forecasting species range dynamics with processâ€explicit models: matching methods to applications. Ecology Letters, 2019, 22, 1940-1956.	3.0	144

#	Article	IF	Citations
37	Consequences of neglecting cryptic life stages from demographic models. Ecological Modelling, 2019, 408, 108723.	1.2	18
38	Animal life history is shaped by the pace of life and the distribution of age-specific mortality and reproduction. Nature Ecology and Evolution, 2019, 3, 1217-1224.	3.4	168
39	Multidimensional ecological analyses demonstrate how interactions between functional traits shape fitness and life history strategies. Journal of Ecology, 2019, 107, 2317-2328.	1.9	58
40	Data gaps and opportunities for comparative and conservation biology. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9658-9664.	3.3	115
41	Demographic amplification is a predictor of invasiveness among plants. Nature Communications, 2019, 10, 5602.	5.8	23
42	Warming impacts on early life stages increase the vulnerability and delay the population recovery of a longâ€lived habitatâ€forming macroalga. Journal of Ecology, 2019, 107, 1129-1140.	1.9	33
43	Prototypical r-/K-Selected (Fast/Slow) Species. , 2019, , 1-4.		4
44	Implications of clonality for ageing research. Evolutionary Ecology, 2018, 32, 9-28.	0.5	21
45	Interactive lifeâ€history traits predict sensitivity of plants and animals to temporal autocorrelation. Ecology Letters, 2018, 21, 275-286.	3.0	71
46	Transient facilitation of resprouting shrubs in fire-prone habitats. Journal of Plant Ecology, 2018, 11, 475-483.	1.2	7
47	What Is the Minimal Optimal Sample Size for Plant Ecophysiological Studies?. Plant Physiology, 2018, 178, 953-955.	2.3	8
48	Towards global data products of Essential Biodiversity Variables on species traits. Nature Ecology and Evolution, 2018, 2, 1531-1540.	3.4	163
49	A cautionary note on elasticity analyses in a ternary plot using randomly generated population matrices. Population Ecology, 2018, 60, 37-47.	0.7	13
50	Delivering the promises of traitâ€based approaches to the needs of demographic approaches, and vice versa. Functional Ecology, 2018, 32, 1424-1435.	1.7	74
51	High dispersal ability is related to fast lifeâ€history strategies. Journal of Ecology, 2018, 106, 1349-1362.	1.9	70
52	Interacting livestock and fire may both threaten and increase viability of a fireâ€adapted Mediterranean carnivorous plant. Journal of Applied Ecology, 2017, 54, 1884-1894.	1.9	18
53	Demographic Senescence in Herbaceous Plants. , 2017, , 303-319.		31
54	Introduction: Wilting Leaves and Rotting Branches. , 2017, , 1-20.		21

#	Article	IF	Citations
55	The Disposable Soma Theory. , 2017, , 23-39.		57
56	Senescence, Selection Gradients and Mortality. , 2017, , 56-82.		43
57	Taxonomic Diversity, Complexity and the Evolution of Senescence. , 2017, , 83-102.		4
58	Senescence in Modular Animals. , 2017, , 220-237.		5
59	Physiological and Biochemical Processes Related to Ageing and Senescence in Plants. , 2017, , 257-283.		30
60	The Evolution of Senescence in Annual Plants. , 2017, , 284-302.		20
61	Less favourable climates constrain demographic strategies in plants. Ecology Letters, 2017, 20, 969-980.	3.0	83
62	Accounting for uncertainty in dormant life stages in stochastic demographic models. Oikos, 2017, 126, 900-909.	1.2	25
63	Applications of the fastâ€“slow continuum and reproductive strategy framework of plant life histories. New Phytologist, 2017, 213, 1618-1624.	3.5	82
64	Co-existence of multiple trade-off currencies shapes evolutionary outcomes. PLoS ONE, 2017, 12, e0189124.	1.1	23
65	Prioritizing management actions for invasive populations using cost, efficacy, demography and expert opinion for 14 plant species worldâ€wide. Journal of Applied Ecology, 2016, 53, 305-316.	1.9	33
66	Demography beyond the population. Journal of Ecology, 2016, 104, 271-280.	1.9	49
67	<scp>COMADRE</scp>: a global data base of animal demography. Journal of Animal Ecology, 2016, 85, 371-384.	1.3	189
68	A demographic mÃ©nage Ã trois: interactions between disturbances both amplify and dampen population dynamics of an endemic plant. Journal of Ecology, 2016, 104, 1778-1788.	1.9	17
69	Extrapolating demography with climate, proximity and phylogeny: approach with caution. Ecology Letters, 2016, 19, 1429-1438.	3.0	29
70	Linking transient dynamics and life history to biological invasion success. Journal of Ecology, 2016, 104, 399-408.	1.9	46
71	Fastâ€“slow continuum and reproductive strategies structure plant life-history variation worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 230-235.	3.3	290
72	Land use heterogeneity causes variation in demographic viability of a bioindicator of speciesâ€richness in protected fen grasslands. Population Ecology, 2016, 58, 165-178.	0.7	3

#	Article	IF	Citations
73	No second chances: demography from the forest floor to the canopy and back again. Journal of Ecology, 2015, 103, 1498-1508.	1.9	3
74	Ecoâ€evolutionary dynamics in plants: interactive processes at overlapping timeâ€scales and their implications. Journal of Ecology, 2015, 103, 789-797.	1.9	25
75	Disentangling traitâ€based mortality in species with decoupled size and age. Journal of Animal Ecology, 2015, 84, 1446-1456.	1.3	4
76	Local-scale disturbances can benefit an endangered, fire-adapted plant species in Western Mediterranean heathlands in the absence of fire. Biological Conservation, 2015, 187, 74-81.	1.9	17
77	Statistical modelling of annual variation for inference on stochastic population dynamics using Integral Projection Models. Methods in Ecology and Evolution, 2015, 6, 1007-1017.	2.2	31
78	The next generation of action ecology: novel approaches towards global ecological research. Ecosphere, 2015, 6, 1-16.	1.0	21
79	Connecting people and ideas from around the world: global innovation platforms for nextâ€generation ecology and beyond. Ecosphere, 2015, 6, 1-11.	1.0	1,488
80	The <scp>compadre</scp><scp>P</scp>lant <scp>M</scp>atrix <scp>D</scp>atabase: an open online repository for plant demography. Journal of Ecology, 2015, 103, 202-218.	1.9	260
81	Correction for Adler et al., Functional traits explain variation in plant life history strategies. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10019-10019.	3.3	16
82	Diversity of ageing across the tree of life. Nature, 2014, 505, 169-173.	13.7	800
83	Some Like It Hot: Are Desert Plants Indifferent to Climate Change?. Progress in Botany Fortschritte Der Botanik, 2014, , 377-400.	0.1	16
84	Advancing population ecology with integral projection models: a practical guide. Methods in Ecology and Evolution, 2014, 5, 99-110.	2.2	231
85	Functional traits explain variation in plant life history strategies. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 740-745.	3.3	473
86	Forest Fragmentation Alters the Population Dynamics of a Lateâ€successional Tropical Tree. Biotropica, 2014, 46, 556-564.	0.8	18
87	Lack of quantitative training among early-career ecologists: a survey of the problem and potential solutions. PeerJ, 2014, 2, e285.	0.9	30
88	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. Global Change Biology, 2013, 19, 3677-3687.	4.2	70
89	Age, stage and senescence in plants. Journal of Ecology, 2013, 101, 585-595.	1.9	95
90	Plants do not countâ€¦ or do they? New perspectives on the universality of senescence. Journal of Ecology, 2013, 101, 545-554.	1.9	50

#	Article	IF	Citations
91	The pace and shape of senescence in angiosperms. Journal of Ecology, 2013, 101, 596-606.	1.9	94
92	<scp>IPM</scp>pack: an <scp>R</scp> package for integral projection models. Methods in Ecology and Evolution, 2013, 4, 195-200.	2.2	93
93	Whiteâ€tailed deer (Odocoileus virginianus) positively affect the growth of mature northern red oak (Quercus rubra) trees. Ecosphere, 2013, 4, 1-15.	1.0	18
94	A demographic approach to study effects of climate change in desert plants. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3100-3114.	1.8	104
95	Ecological Society of America's Initiatives and Contributions During the Deepwater Horizon Oil Spill. Bulletin of the Ecological Society of America, 2012, 93, 115-116.	0.2	5
96	It is getting hotter in here: determining and projecting the impacts of global environmental change on drylands. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3062-3075.	1.8	243
97	The next generation of peer reviewing. Frontiers in Ecology and the Environment, 2011, 9, 199-199.	1.9	7
98	A hydraulic explanation for sizeâ€specific plant shrinkage: developmental hydraulic sectoriality. New Phytologist, 2011, 189, 229-240.	3.5	30
99	Introducing short roots in a desert perennial: anatomy and spatiotemporal foraging responses to increased precipitation. New Phytologist, 2011, 191, 173-183.	3.5	21
100	Keeping plant shrinkage in the demographic loop. Journal of Ecology, 2010, 98, 312-323.	1.9	95
101	Matrix projection models meet variation in the real world. Journal of Ecology, 2010, 98, 250-254.	1.9	64
102	Matrix Dimensions Bias Demographic Inferences: Implications for Comparative Plant Demography. American Naturalist, 2010, 176, 710-722.	1.0	76
103	After â€œecoâ€•comes â€œserviceâ€• Frontiers in Ecology and the Environment, 2009, 7, 277-278.	1.9	11
104	Anagenetic evolution in island plants. Journal of Biogeography, 2006, 33, 1259-1265.	1.4	165
105	Complex Life Histories and Senescence in Plants: Avenues to Escape Age-Related Decline?. , 0, , 320-338.		0
106	A Hamiltonian Demography of Life History. , 0, , 40-55.		0
107	Evolutionary Demography of the Human Mortality Profile. , 0, , 105-125.		4
108	Life History Trade-Offs Modulate the Speed of Senescence. , 0, , 403-421.		11

#	Article	IF	Citations
109	Organismal Senescence in Plantâ€“Fungal Symbioses. , 0, , 381-400.		0