Jose Maria Gomez

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.

140 papers	8,384 citations	48 h-index	89 g-index
149 ext. papers	9,581 ext. citations	5.1 avg, IF	6.38 L-index

#	Paper	IF	Citations
140	Phylogenetic conservation and shifts of pollination niche in generalist epiphytic cacti. *Perspectives in Plant Ecology, Evolution and Systematics*, **2022**, 54, 125650	3	
139	Differences in seed dormancy and germination in amphicarpic legumes: manifold bet-hedging in space and time. *Journal of Plant Ecology*, **2021**, 14, 662-672	1.7	
138	Killing conspecific adults in mammals. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20211080	4.4	1
137	Asymmetric Reproductive Barriers and Gene Flow Promote the Rise of a Stable Hybrid Zone in the Mediterranean High Mountain. *Frontiers in Plant Science*, **2021**, 12, 687094	6.2	2
136	Facilitation and plant phenotypic evolution. *Trends in Plant Science*, **2021**, 26, 913-923	13.1	3
135	Global gradients in intraspecific variation in vegetative and floral traits are partially associated with climate and species richness. *Global Ecology and Biogeography*, **2020**, 29, 992-1007	6.1	13
134	A new native plant in the neighborhood: effects on plant-pollinator networks, pollination, and plant reproductive success. *Ecology*, **2020**, 101, e03046	4.6	7
133	Independent evolution of ancestral and novel defenses in a genus of toxic plants (, Brassicaceae). *ELife*, **2020**, 9,	8.9	21
132	Mass□ength allometry covaries with ecosystem productivity at a global scale. *Global Ecology and Biogeography*, **2020**, 29, 87-101	6.1	2
131	Within-individual phenotypic plasticity in flowers fosters pollination niche shift. *Nature Communications*, **2020**, 11, 4019	17.4	13
130	Conflicting selection on Cneorum tricoccon (Rutaceae) seed size caused by native and alien seed dispersers. *Evolution; International Journal of Organic Evolution*, **2019**, 73, 2204-2215	3.8	5
129	Pollination effectiveness in a generalist plant: adding the genetic component. *New Phytologist*, **2019**, 223, 354-365	9.8	14
128	Ecological networks: Pursuing the shortest path, however narrow and crooked. *Scientific Reports*, **2019**, 9, 17826	4.9	5
127	Anther Rubbing, a New Mechanism That Actively Promotes Selfing in Plants. *American Naturalist*, **2019**, 193, 140-147	3.7	1
126	Synzoochory: the ecological and evolutionary relevance of a dual interaction. *Biological Reviews*, **2019**, 94, 874-902	13.5	60
125	Niche differences may explain the geographic distribution of cytotypes in Erysimum mediohispanicum. *Plant Biology*, **2018**, 20 Suppl 1, 139-147	3.7	14
124	Characterization of microsatellite markers for (Brassicaceae) and related species. *Applications in Plant Sciences*, **2018**, 6, e01172	2.3	

123	Kin discrimination allows plants to modify investment towards pollinator attraction. *Nature Communications*, **2018**, 9, 2018	17.4	28
122	Network theory may explain the vulnerability of medieval human settlements to the Black Death pandemic. *Scientific Reports*, **2017**, 7, 43467	4.9	16
121	Flower specialisation: the occluded corolla of snapdragons (Antirrhinum) exhibits two pollinator niches of large long-tongued bees. *Plant Biology*, **2017**, 19, 787-797	3.7	8
120	A general framework for effectiveness concepts in mutualisms. *Ecology Letters*, **2017**, 20, 577-590	10	93
119	Is floral morphology a good predictor of floral visitors to Antirrhineae (snapdragons and relatives)?. *Plant Biology*, **2017**, 19, 515-524	3.7	10
118	Drivers of genetic differentiation in a generalist insect-pollinated herb across spatial scales. *Molecular Ecology*, **2017**, 26, 1576-1585	5.7	7
117	Molecular phylogeny and evolutionary history of DC (Brassicaceae). *PeerJ*, **2017**, 5, e3964	3.1	6
116	Inter-annual maintenance of the fine-scale genetic structure in a biennial plant. *Scientific Reports*, **2016**, 6, 37712	4.9	6
115	Pollinators show flower colour preferences but flowers with similar colours do not attract similar pollinators. *Annals of Botany*, **2016**, 118, 249-57	4.1	52
114	The temporal dimension in individual-based plant pollination networks. *Oikos*, **2016**, 125, 468-479	4	37
113	The role of pollinators in the evolution of corolla shape variation, disparity and integration in a highly diversified plant family with a conserved floral bauplan. *Annals of Botany*, **2016**, 117, 889-904	4.1	34
112	The phylogenetic roots of human lethal violence. *Nature*, **2016**, 538, 233-237	50.4	88
111	The role of pollinators in floral diversification in a clade of generalist flowers. *Evolution; International Journal of Organic Evolution*, **2015**, 69, 863-78	3.8	38
110	Bees explain floral variation in a recent radiation of Linaria. *Journal of Evolutionary Biology*, **2015**, 28, 851-63	2.3	16
109	Invasion of Brassica nigra in North America: distributions and origins of chloroplast DNA haplotypes suggest multiple introductions. *Biological Invasions*, **2015**, 17, 2447-2459	2.7	13
108	The silent extinction: climate change and the potential hybridization-mediated extinction of endemic high-mountain plants. *Biodiversity and Conservation*, **2015**, 24, 1843-1857	3.4	52
107	Evolution of pollination niches in a generalist plant clade. *New Phytologist*, **2015**, 205, 440-53	9.8	31
106	Beyond species loss: the extinction of ecological interactions in a changing world. *Functional Ecology*, **2015**, 29, 299-307	5.6	423

105	Naturalization of almond trees (Prunus dulcis) in semi-arid regions of the Western Mediterranean. *Journal of Arid Environments*, **2015**, 113, 108-113	2.5	7
104	A new combination in Erysimum (Brassicaceae) for Baetic mountains (South-eastern Spain). *Phytotaxa*, **2015**, 201, 103	0.7	2
103	Variation in the reproductive success of a narrow endemic plant: Effects of geographical distribution, abiotic conditions and pollinator community composition. *Basic and Applied Ecology*, **2015**, 16, 375-385	3.2	1
102	Bees and evolution of occluded corollas in snapdragons and relatives (Antirrhineae). *Perspectives in Plant Ecology, Evolution and Systematics*, **2015**, 17, 467-475	3	18
101	Evolution of pollination niches and floral divergence in the generalist plant Erysimum mediohispanicum. *Annals of Botany*, **2014**, 113, 237-49	4.1	41
100	Association between inbreeding depression and floral traits in a generalist-pollinated plant. *Journal of Evolutionary Biology*, **2014**, 27, 2495-506	2.3	4
99	The role of pollinator diversity in the evolution of corolla-shape integration in a pollination-generalist plant clade. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20130257	5.8	35
98	Factors controlling seed germination of the Iberian critically endangered Pseudomisopates (Antirrhinaceae). *Plant Systematics and Evolution*, **2014**, 300, 2127-2134	1.3	2
97	Phylogenetic relationships of Erysimum (Brassicaceae) from the Baetic Mountains (SE Iberian Peninsula). *Anales Del Jardin Botanico De Madrid*, **2014**, 71, e005	0.3	4
96	Intra-seasonal variation of Erysimum mediohispanicum flower visitors in Sierra Nevada (Spain). *Ecosistemas*, **2014**, 23, 83-92	1.7	2
95	Herbivores mediate different competitive and facilitative responses of native and invader populations of Brassica nigra. *Ecology*, **2013**, 94, 2288-98	4.6	10
94	Corolla morphology influences diversification rates in bifid toadflaxes (Linaria sect. Versicolores). *Annals of Botany*, **2013**, 112, 1705-22	4.1	33
93	Effects of human activity on the distribution and abundance of an endangered Mediterranean high-mountain plant (Erysimum penyalarense). *Journal for Nature Conservation*, **2013**, 21, 262-271	2.3	8
92	Centrality in primate-parasite networks reveals the potential for the transmission of emerging infectious diseases to humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 7738-41	11.5	77
91	Geometric morphometrics of corolla shape: dissecting components of symmetric and asymmetric variation in Erysimum mediohispanicum (Brassicaceae). *New Phytologist*, **2012**, 196, 945-954	9.8	38
90	Pollen limitation in a narrow endemic plant: geographical variation and driving factors. *Oecologia*, **2012**, 170, 421-31	2.9	35
89	Direct and indirect landscape effects on Quercus ilex regeneration in heterogeneous environments. *Oecologia*, **2012**, 170, 1009-20	2.9	33
88	Advantages and drawbacks of living in protected areas: the case of the threatened Erysimum popovii (Brassicaceae) in SE Iberian Peninsula. *Biodiversity and Conservation*, **2012**, 21, 2539-2554	3.4	5

87	Fitness consequences of centrality in mutualistic individual-based networks. *Proceedings of the Royal Society B: Biological Sciences*, **2012**, 279, 1754-60	4.4	43
86	Mutualism with plants drives primate diversification. *Systematic Biology*, **2012**, 61, 567-77	8.4	56
85	Spatio-temporal change in the relationship between habitat heterogeneity and species diversity. *Acta Oecologica*, **2011**, 37, 179-186	1.7	16
84	The functional consequences of mutualistic network architecture. *PLoS ONE*, **2011**, 6, e16143	3.7	49
83	Where do monomorphic sexual systems fit in the evolution of dioecy? Insights from the largest family of angiosperms. *New Phytologist*, **2011**, 190, 234-248	9.8	42
82	Introduced Brassica nigra populations exhibit greater growth and herbivore resistance but less tolerance than native populations in the native range. *New Phytologist*, **2011**, 191, 536-544	9.8	48
81	Are We Misinterpreting Seed Predation in Palms?. *Biotropica*, **2011**, 43, 12-14	2.3	13
80	Phenotypic selection on floral scent: trade-off between attraction and deterrence?. *Evolutionary Ecology*, **2011**, 25, 237-248	1.8	61
79	Pollen quality limitation in the Iberian critically endangered genus Pseudomisopates (Antirrhinaceae). *Plant Ecology*, **2011**, 212, 1069-1078	1.7	11
78	Using complementary techniques to distinguish cryptic species: a new Erysimum (Brassicaceae) species from North Africa. *American Journal of Botany*, **2011**, 98, 1049-60	2.7	29
77	Characterization of microsatellite loci in Erysimum mediohispanicum (Brassicaceae) and cross-amplification in related species. *American Journal of Botany*, **2011**, 98, e287-9	2.7	9
76	Seed dispersal effectiveness revisited: a conceptual review. *New Phytologist*, **2010**, 188, 333-53	9.8	662
75	Spatial patterns of acorn dispersal by rodents: do acorn crop size and ungulate presence matter?. *Oikos*, **2010**, 119, 179-187	4	26
74	Changes in pollinator fauna cause spatial variation in pollen limitation. *Journal of Ecology*, **2010**, 98, 1243-1252	5.1	101
73	Ecological interactions are evolutionarily conserved across the entire tree of life. *Nature*, **2010**, 465, 918-21	36.4	156
72	Evolution of Complex Traits: The Case of Erysimum Corolla Shape. *International Journal of Plant Sciences*, **2010**, 171, 987-998	2.6	43
71	Differences in the diversity and composition of the pollinator assemblage of two co-flowering congeneric alpine wallflowers, Erysimum nevadense and E. baeticum. *Flora: Morphology, Distribution, Functional Ecology of Plants*, **2010**, 205, 266-275	1.9	11
70	Exotic vertebrate and invertebrate herbivores differ in their impacts on native and exotic plants: a meta-analysis. *Biological Invasions*, **2010**, 12, 407-419	2.7	35

69	The functional consequences of diversity in plant–pollinator interactions. *Oikos*, **2009**, 118, 1430-1440	4	28
68	Do Terrestrial Tank Bromeliads in Brazil Create Safe Sites for Palm Establishment or Act as Natural Traps for Its Dispersed Seeds?. *Biotropica*, **2009**, 41, 3-6	2.3	9
67	Heritability and genetic correlation of corolla shape and size in Erysimum mediohispanicum. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 1820-31	3.8	41
66	Local adaptation and maladaptation to pollinators in a generalist geographic mosaic. *Ecology Letters*, **2009**, 12, 672-82	10	51
65	Wild boars (Sus scrofa) affect the recruitment rate and spatial distribution of holm oak (Quercus ilex). *Forest Ecology and Management*, **2008**, 256, 1384-1389	3.9	46
64	Factors determining beetle richness and composition along an altitudinal gradient in the high mountains of the Sierra Nevada National Park (Spain). *Ecoscience*, **2008**, 15, 429-441	1.1	10
63	Spatial variation in selection on corolla shape in a generalist plant is promoted by the preference patterns of its local pollinators. *Proceedings of the Royal Society B: Biological Sciences*, **2008**, 275, 2241-9	4.4	104
62	Association between floral traits and rewards in Erysimum mediohispanicum (Brassicaceae). *Annals of Botany*, **2008**, 101, 1413-20	4.1	52
61	Biomass allocation and growth responses of Scots pine saplings to simulated herbivory depend on plant age and light availability. *Plant Ecology*, **2008**, 197, 229-238	1.7	39
60	Effectiveness of rodents as local seed dispersers of Holm oaks. *Oecologia*, **2008**, 155, 529-37	2.9	149
59	Sequential conflicting selection due to multispecific interactions triggers evolutionary trade-offs in a monocarpic herb. *Evolution; International Journal of Organic Evolution*, **2008**, 62, 668-79	3.8	38
58	Diversity-habitat heterogeneity relationship at different spatial and temporal scales. *Ecography*, **2007**, 30, 31-41	6.5	46
57	Ecological limits to plant phenotypic plasticity. *New Phytologist*, **2007**, 176, 749-763	9.8	622
56	Pollinator diversity affects plant reproduction and recruitment: the tradeoffs of generalization. *Oecologia*, **2007**, 153, 597-605	2.9	93
55	Spatiotemporal patterns of seed dispersal in a wind-dispersed Mediterranean tree (Acer opalus subsp. granatense): implications for regeneration. *Ecography*, **2007**, 30, 13-22	6.5	
54	Irradiance and oak seedling survival and growth in a heterogeneous environment. *Forest Ecology and Management*, **2007**, 242, 462-469	3.9	67
53	Long-term effects of ungulates on phytophagous insects. *Ecological Entomology*, **2007**, 32, 07013019541002-??	2.1	??
52	Natural selection on Erysimum mediohispanicum flower shape: insights into the evolution of zygomorphy. *American Naturalist*, **2006**, 168, 531-45	3.7	108

51	Species-specific effects on topsoil development affect Quercus ilex seedling performance. *Acta Oecologica*, **2006**, 29, 65-71	1.7	26
50	CONSEQUENCES OF SPATIAL AUTOCORRELATION FOR THE ANALYSIS OF METAPOPULATION DYNAMICS. *Ecology*, **2005**, 86, 3264-3271	4.6	29
49	The regeneration status of the endangered Acer opalus subsp. granatense throughout its geographical distribution in the Iberian Peninsula. *Biological Conservation*, **2005**, 121, 195-206	6.2	60
48	Microhabitats shift rank in suitability for seedling establishment depending on habitat type and climate. *Journal of Ecology*, **2005**, 93, 1194-1202	6	76
47	Regional dynamics of a patchily distributed herbivore along an altitudinal gradient. *Ecological Entomology*, **2005**, 30, 706-713	2.1	12
46	Non-additive effects of herbivores and pollinators on Erysimum mediohispanicum (Cruciferae) fitness. *Oecologia*, **2005**, 143, 412-8	2.9	59
45	Alleviation of Summer Drought Boosts Establishment Success of Pinus sylvestris in a Mediterranean Mountain: An Experimental Approach. *Plant Ecology*, **2005**, 181, 191-202	1.7	89
44	LONG-TERM EFFECTS OF UNGULATES ON PERFORMANCE, ABUNDANCE, AND SPATIAL DISTRIBUTION OF TWO MONTANE HERBS. *Ecological Monographs*, **2005**, 75, 231-258	9	51
43	Canopy vs. soil effects of shrubs facilitating tree seedlings in Mediterranean montane ecosystems **2005**, 16, 191		8
42	Benefits of Using Shrubs as Nurse Plants for Reforestation in Mediterranean Mountains: A 4-Year Study. *Restoration Ecology*, **2004**, 12, 352-358	3.1	194
41	Bigger is not always better: conflicting selective pressures on seed size in Quercus ilex. *Evolution; International Journal of Organic Evolution*, **2004**, 58, 71-80	3.8	252
40	Seedling establishment of a boreal tree species (Pinus sylvestris) at its southernmost distribution limit: consequences of being in a marginal Mediterranean habitat. *Journal of Ecology*, **2004**, 92, 266-277	6	302
39	Effects of ungulates on epigeal arthropods in Sierra Nevada National Park (southeast Spain). *Biodiversity and Conservation*, **2004**, 13, 733-752	3.4	32
38	Importance of microhabitat and acorn burial on Quercus ilex early recruitment: non-additive effects on multiple demographic processes. *Plant Ecology*, **2004**, 172, 287-297	1.7	100
37	Herbivory has a greater impact in shade than in sun: response of Quercus pyrenaica seedlings to multifactorial environmental variation. *Canadian Journal of Botany*, **2004**, 82, 357-364		53
36	APPLYING PLANT FACILITATION TO FOREST RESTORATION: A META-ANALYSIS OF THE USE OF SHRUBS AS NURSE PLANTS **2004**, 14, 1128-1138		601
35	Spatial patterns in long-distance dispersal ofQuercus ilexacorns by jays in a heterogeneous landscape. *Ecography*, **2003**, 26, 573-584	6.5	260
34	Herbivory reduces the strength of pollinator-mediated selection in the Mediterranean herb Erysimum mediohispanicum: consequences for plant specialization. *American Naturalist*, **2003**, 162, 242-56	3.7	173

33	Consequences of removing a keystone herbivore for the abundance and diversity of arthropods associated with a cruciferous shrub. *Ecological Entomology*, **2003**, 28, 299-308	2.1	27
32	Use of Shrubs as Nurse Plants: A New Technique for Reforestation in Mediterranean Mountains. *Restoration Ecology*, **2002**, 10, 297-305	3.1	196
31	THORNS AS INDUCED MECHANICAL DEFENSE IN A LONG-LIVED SHRUB (HORMATHOPHYLLA SPINOSA, CRUCIFERAE). *Ecology*, **2002**, 83, 885-890	4.6	33
30	ASYMMETRICAL INTERACTIONS BETWEEN UNGULATES AND PHYTOPHAGOUS INSECTS: BEING DIFFERENT MATTERS. *Ecology*, **2002**, 83, 203-211	4.6	50
29	Annual variability in reproduction of Juniperus communis L. in a Mediterranean mountain: Relationship to seed predation and weather. *Ecoscience*, **2002**, 9, 251-255	1.1	16
28	Frugivory at Juniperus communis depends more on population characteristics than on individual attributes. *Journal of Ecology*, **2001**, 89, 639-647	6	57
27	Adult and Larval Plant Range and Preference in Timarcha lugens (Coleoptera: Chrysomelidae): Strict Monophagy on an Atypical Host. *Annals of the Entomological Society of America*, **2001**, 94, 110-115	2	11
26	Compensatory responses of an arid land crucifer, Chorispora tenella (Brassicaceae), to experimental flower removal. *Journal of Arid Environments*, **2001**, 49, 855-863	2.5	7
25	Effect of browsing by ungulates on sapling growth of Scots pine in a Mediterranean environment: consequences for forest regeneration. *Forest Ecology and Management*, **2001**, 144, 33-42	3.9	94
24	Ungulate damage on Scots pines in Mediterranean environments: effects of association with shrubs. *Canadian Journal of Botany*, **2001**, 79, 739-746		14
23	Ungulate damage on Scots pines in Mediterranean environments: effects of association with shrubs. *Canadian Journal of Botany*, **2001**, 79, 739-746		46
22	Differential impact of vertebrate and invertebrate herbivores on the reproductive output of Hormathophylla spinosa. *Ecoscience*, **2000**, 7, 299-306	1.1	12
21	Do empty Juniperus communis seeds defend filled seeds against predation by Apodemus sylvaticus?. *Ecoscience*, **2000**, 7, 214-221	1.1	13
20	Geographical variation in seed production, predation and abortion in Juniperus communis throughout its range in Europe. *Journal of Ecology*, **2000**, 88, 435-446	6	149
19	Spatial Variation in the Selective Scenarios of Hormathophylla spinosa (Cruciferae). *American Naturalist*, **2000**, 155, 657-668	3.7	92
18	Yew (Taxus baccata L.) regeneration is facilitated by fleshy-fruited shrubs in Mediterranean environments. *Biological Conservation*, **2000**, 95, 31-38	6.2	110
17	Generalization vs. Specialization in the Pollination System of Hormathophylla spinosa (Cruciferae). *Ecology*, **1999**, 80, 796	4.6	16
16	Bird Rejection of Unhealthy Fruits Reinforces the Mutualism between Juniper and Its Avian Dispersers. *Oikos*, **1999**, 85, 536	4	41

15	Seed predation and dispersal in relict Scots pine forests in southern Spain. *Plant Ecology*, **1999**, 145, 115-123	1.7	117
14	GENERALIZATION VS. SPECIALIZATION IN THE POLLINATION SYSTEM OF HORMATHOPHYLLA SPINOSA (CRUCIFERAE). *Ecology*, **1999**, 80, 796-805	4.6	102
13	Age structure of Juniperus communis L. in the Iberian peninsula: Conservation of remnant populations in Mediterranean mountains. *Biological Conservation*, **1999**, 87, 215-220	6.2	100
12	FITNESS RESPONSES OF A CARNIVOROUS PLANT IN CONTRASTING ECOLOGICAL SCENARIOS. *Ecology*, **1998**, 79, 1630-1644	4.6	49
11	Interactions between a high-mountain shrub, Genista versicolor (Fabaceae), and its seed predators. *Ecoscience*, **1997**, 4, 48-56	1.1	2
10	Responses of a carnivorous plant to prey and inorganic nutrients in a Mediterranean environment. *Oecologia*, **1997**, 111, 443-451	2.9	30
9	Carnivorous Plant-Slug Interaction: A Trip from Herbivory to Kleptoparasitism. *Journal of Animal Ecology*, **1996**, 65, 154	4.7	11
8	Predispersal reproductive ecology of an arid land crucifer,Moricandia moricandioides: effect of mammal herbivory on seed production. *Journal of Arid Environments*, **1996**, 33, 425-437	2.5	21
7	Wind pollination in high-mountain populations of Hormathophylla spinosa (Cruciferae) **1996**, 83, 580		21
6	Use of ant-nest debris by darkling beetles and other arthropod species in an arid system in south Europe. *Journal of Arid Environments*, **1995**, 31, 91-104	2.5	20
5	Importance of Direct and Indirect Effects in the Interaction between a Parasitic Angiosperm (Cuscuta epithymum) and Its Host Plant (Hormathophylla spinosa). *Oikos*, **1994**, 71, 97	4	19
4	Phenotypic Selection on Flowering Synchrony in a High Mountain Plant, Hormathophylla Spinosa (Cruciferae). *Journal of Ecology*, **1993**, 81, 605	6	68
3	Dartford Warblers Follow Stonechats While Foraging. *Ornis Scandinavica*, **1992**, 23, 167		7
2	Trait-mediated indirect interactions, density-mediated indirect interactions, and direct interactions between mammalian and insect herbivores104-123		11
1	Rapid and independent evolution of ancestral and novel defenses in a genus of toxic plants (Erysimum, Brassicaceae)		1