

# Hans P Comes

## List of Publications by Year in descending order

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69  
papers

5,054  
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109321

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95266

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70  
docs citations

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times ranked

3863  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of Quaternary climatic changes on plant distribution and evolution. <i>Trends in Plant Science</i> , 1998, 3, 432-438.	8.8	803
2	Plant molecular phylogeography in China and adjacent regions: Tracing the genetic imprints of Quaternary climate and environmental change in the world's most diverse temperate flora. <i>Molecular Phylogenetics and Evolution</i> , 2011, 59, 225-244.	2.7	753
3	Differential cycles of range contraction and expansion in European high mountain plants during the Late Quaternary: insights from <i>Pritzelago alpina</i> (L.) O. Kuntze (Brassicaceae). <i>Molecular Ecology</i> , 2003, 12, 931-949.	3.9	180
4	MOLECULAR PHYLOGEOGRAPHY, RETICULATION, AND LINEAGE SORTING IN MEDITERRANEAN <i>SENECIO</i> SECT. <i>SENECIO</i> (ASTERACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 1943-1962.	2.3	175
5	Molecular data and ecological niche modelling reveal a highly dynamic evolutionary history of the East Asian Tertiary relict <i>Cercidiphyllum</i> (Cercidiphyllaceae). <i>New Phytologist</i> , 2012, 196, 617-630.	7.3	153
6	Did glacials and/or interglacials promote allopatric incipient speciation in East Asian temperate plants? Phylogeographic and coalescent analyses on refugial isolation and divergence in <i>Dysosma versipellis</i> . <i>Molecular Phylogenetics and Evolution</i> , 2009, 51, 281-293.	2.7	137
7	Quaternary diversification in European alpine plants: pattern and process. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 265-274.	4.0	135
8	Phylogeography of <i>Sophora davidii</i> (Leguminosae) across the "Tanaka-Kaiyong Line", an important phylogeographic boundary in Southwest China. <i>Molecular Ecology</i> , 2013, 22, 4270-4288.	3.9	133
9	Long-distance dispersal vs vicariance: the origin and genetic diversity of alpine plants in the Spanish Sierra Nevada. <i>New Phytologist</i> , 2006, 172, 169-184.	7.3	130
10	Late Quaternary distributional stasis in the submediterranean mountain plant <i>Anthyllis montana</i> L. (Fabaceae) inferred from ITS sequences and amplified fragment length polymorphism markers. <i>Molecular Ecology</i> , 2002, 11, 447-463.	3.9	128
11	Glacial survival east and west of the "Mekong-Salween Divide" in the Himalaya-Hengduan Mountains region as revealed by AFLPs and cpDNA sequence variation in <i>Sinopodophyllum hexandrum</i> (Berberidaceae). <i>Molecular Phylogenetics and Evolution</i> , 2011, 59, 412-424.	2.7	127
12	Evolutionary history of the subnival flora of the Himalaya-Hengduan Mountains: first insights from comparative phylogeography of four perennial herbs. <i>Journal of Biogeography</i> , 2016, 43, 31-43.	3.0	112
13	Molecular phylogeography of East Asian <i>Kirengeshoma</i> (Hydrangeaceae) in relation to Quaternary climate change and landbridge configurations. <i>New Phytologist</i> , 2009, 183, 480-495.	7.3	111
14	Plant speciation in continental island floras as exemplified by <i>Nigella</i> in the Aegean Archipelago. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 3083-3096.	4.0	108
15	Evolutionary processes in a continental island system: molecular phylogeography of the Aegean <i>Nigella arvensis</i> alliance (Ranunculaceae) inferred from chloroplast DNA. <i>Molecular Ecology</i> , 2005, 14, 4065-4083.	3.9	102
16	Evolution in the Arctic: a phylogeographic analysis of the circumarctic plant, <i>Saxifraga oppositifolia</i> (Purple saxifrage). <i>New Phytologist</i> , 2004, 161, 211-224.	7.3	100
17	Chloroplast phylogeography of <i>Terminalia franchetii</i> (Combretaceae) from the eastern Sino-Himalayan region and its correlation with historical river capture events. <i>Molecular Phylogenetics and Evolution</i> , 2011, 60, 1-12.	2.7	94
18	Molecular phylogeography and ecological niche modelling of a widespread herbaceous climber, <i>Tetragium hemsleyanum</i> (Vitaceae): insights into Pleistocene range dynamics of evergreen forest in subtropical China. <i>New Phytologist</i> , 2015, 206, 852-867.	7.3	89

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19	Spatial and Temporal Patterns in the Evolution of the Flora of the European Alpine System. <i>Taxon</i> , 2003, 52, 451.	0.7	81
20	Phylogeography of two East Asian species in <i>Croomia</i> (Stemonaceae) inferred from chloroplast DNA and ISSR fingerprinting variation. <i>Molecular Phylogenetics and Evolution</i> , 2008, 49, 702-714.	2.7	77
21	Evolution of East Asia's Arcto-Tertiary relict <i>Euptelea</i> (Eupteleaceae) shaped by Late Neogene vicariance and Quaternary climate change. <i>BMC Evolutionary Biology</i> , 2016, 16, 66.	3.2	69
22	The Temporal Course of Quaternary Diversification in the European High Mountain Endemic <i>Primula sect. Auricula</i> (Primulaceae). <i>International Journal of Plant Sciences</i> , 2004, 165, 191-207.	1.3	65
23	Late Quaternary history of <i>Hippophaë rhamnoides</i> L. (Elaeagnaceae) inferred from chalcone synthase intron (Chsi) sequences and chloroplast DNA variation. <i>Molecular Ecology</i> , 2006, 15, 4065-4083.	3.9	58
24	Spatial and temporal patterns in the evolution of the flora of the European Alpine System. <i>Taxon</i> , 2003, 52, 451-462.	0.7	57
25	THE RELATIVE IMPORTANCE OF HISTORICAL EVENTS AND GENE FLOW ON THE POPULATION STRUCTURE OF A MEDITERRANEAN RAGWORT, <i>Senecio gallicus</i> (ASTERACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 355-367.	2.3	56
26	A strong "filter" effect of the East China Sea land bridge for East Asia's temperate plant species: inferences from molecular phylogeography and ecological niche modelling of <i>Platycrater arguta</i> (Hydrangeaceae). <i>BMC Evolutionary Biology</i> , 2014, 14, 41.	3.2	51
27	Molecular inference of a Late Pleistocene diversification shift in <i>Nigella</i> s. lat. (Ranunculaceae) resulting from increased speciation in the Aegean archipelago. <i>Journal of Biogeography</i> , 2009, 36, 1346-1360.	3.0	50
28	Contributions of historical and contemporary geographic and environmental factors to phylogeographic structure in a Tertiary relict species, <i>Emmenopterys henryi</i> (Rubiaceae). <i>Scientific Reports</i> , 2016, 6, 24041.	3.3	48
29	Late Pleistocene lineage divergence among populations of <i>Neolitsea sericea</i> (Lauraceae) across a deep sea barrier in the Ryukyu Islands. <i>Journal of Biogeography</i> , 2012, 39, 1347-1360.	3.0	47
30	Understanding the formation of Mediterranean-African-Asian disjunctions: evidence for Miocene climate-driven vicariance and recent long-distance dispersal in the Tertiary relict <i>Smilax aspera</i> (Smilacaceae). <i>New Phytologist</i> , 2014, 204, 243-255.	7.3	47
31	Population genetic structure, phylogeography, and demographic history of <i>Platycrater arguta</i> (Hydrangeaceae) endemic to East China and South Japan, inferred from chloroplast DNA sequence variation. <i>Taxon</i> , 2009, 58, 1226-1241.	0.7	44
32	Plastome organization, genome-based phylogeny and evolution of plastid genes in Podophylloideae (Berberidaceae). <i>Molecular Phylogenetics and Evolution</i> , 2018, 127, 978-987.	2.7	44
33	Causes of the genetic architecture of south-west European high mountain disjuncts. <i>Plant Ecology and Diversity</i> , 2008, 1, 217-228.	2.4	42
34	Random amplified polymorphic DNA (RAPD) and quantitative trait analyses across a major phylogeographical break in the Mediterranean ragwort <i>Senecio gallicus</i> Vill. (Asteraceae). <i>Molecular Ecology</i> , 2000, 9, 61-76.	3.9	39
35	An AFLP clock for the absolute dating of shallow-time evolutionary history based on the intraspecific divergence of southwestern European alpine plant species. <i>Molecular Ecology</i> , 2009, 18, 697-708.	3.9	38
36	Genetic structure and breeding system of a rare understory herb, <i>Dysosma versipellis</i> (Berberidaceae), from temperate deciduous forests in China. <i>American Journal of Botany</i> , 2010, 97, 111-122.	1.7	35

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37	The genetic ghost of an invasion past: colonization and extinction revealed by historical hybridization in <i>Senecio</i> . <i>Molecular Ecology</i> , 2012, 21, 369-387.	3.9	34
38	Clade-age-dependent diversification under high species turnover shapes species richness disparities among tropical rainforest lineages of <i>Bulbophyllum</i> (Orchidaceae). <i>BMC Evolutionary Biology</i> , 2019, 19, 93.	3.2	32
39	Population genetic diversity and structure of <i>Dipteronia dyerana</i> (Sapindaceae), a rare endemic from Yunnan Province, China, with implications for conservation. <i>Taxon</i> , 2007, 56, 427-437.	0.7	30
40	Blowin™ in the wind – the transition from ecotype to species. <i>New Phytologist</i> , 2007, 175, 197-200.	7.3	28
41	Multiple independent origins of auto-pollination in tropical orchids ( <i>Bulbophyllum</i> ) in light of the hypothesis of selfing as an evolutionary dead end. <i>BMC Evolutionary Biology</i> , 2015, 15, 192.	3.2	28
42	POPULATION GENETIC STRUCTURE AND GENE FLOW ACROSS ARID VERSUS MESIC ENVIRONMENTS: A COMPARATIVE STUDY OF TWO PARAPATRIC <i>SENECIO</i> SPECIES FROM THE NEAR EAST. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 36-54.	2.3	25
43	Chloroplast DNA and isozyme evidence on the evolution of <i>Senecio vulgaris</i> (Asteraceae). <i>Plant Systematics and Evolution</i> , 1997, 206, 375-392.	0.9	24
44	Quaternary climate change drives allo-peripatric speciation and refugial divergence in the <i>Dysosma versipellis-pleiantha</i> complex from different forest types in China. <i>Scientific Reports</i> , 2017, 7, 40261.	3.3	23
45	Genomic insights on the contribution of balancing selection and local adaptation to the long-term survival of a widespread living fossil tree, <i>Cercidiphyllum japonicum</i> . <i>New Phytologist</i> , 2020, 228, 1674-1689.	7.3	22
46	Past, present and future of mountain species of the French Massif Central – the case of <i>Soldanella alpina</i> L. subsp. <i>alpina</i> (Primulaceae) and a review of other plant and animal studies. <i>Journal of Biogeography</i> , 2012, 39, 799-812.	3.0	21
47	Frequent but asymmetric niche shifts in <i>Bulbophyllum</i> orchids support environmental and climatic instability in Madagascar over Quaternary time scales. <i>BMC Evolutionary Biology</i> , 2016, 16, 14.	3.2	21
48	Phylogenomics recovers monophyly and early Tertiary diversification of <i>Dipteronia</i> (Sapindaceae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 130, 9-17.	2.7	21
49	Genomic insights into historical population dynamics, local adaptation, and climate change vulnerability of the East Asian Tertiary relict <i>Euptelea</i> (Eupteleaceae). <i>Evolutionary Applications</i> , 2020, 13, 2038-2055.	3.1	19
50	Histological and Micro-CT Evidence of Stigmatic Rostellum Receptivity Promoting Auto-Pollination in the Madagascan Orchid <i>Bulbophyllum bicoloratum</i> . <i>PLoS ONE</i> , 2013, 8, e72688.	2.5	19
51	Recurrent polymorphic mating type variation in Madagascan <i>Bulbophyllum</i> species (Orchidaceae) exemplifies a high incidence of auto-pollination in tropical orchids. <i>Botanical Journal of the Linnean Society</i> , 2014, 175, 242-258.	1.6	18
52	Diversification in continental island archipelagos: new evidence on the roles of fragmentation, colonization and gene flow on the genetic divergence of Aegean <i>Nigella</i> (Ranunculaceae). <i>Annals of Botany</i> , 2018, 121, 241-254.	2.9	18
53	Evolution of crassulacean acid metabolism (CAM) as an escape from ecological niche conservatism in Malagasy <i>Bulbophyllum</i> (Orchidaceae). <i>New Phytologist</i> , 2021, 231, 1236-1248.	7.3	16
54	Genetic basis of speed of development in <i>Senecio vulgaris</i> L var. <i>vulgaris</i> , <i>S. vulgaris</i> ssp. <i>denticulatus</i> (O.F. Muell.) P.D. Sell, and <i>Senecio vernalis</i> Waldst. & Kit.. <i>Heredity</i> , 1996, 77, 544-554.	2.6	14

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55	Parallel bursts of recent and rapid radiation in the Mediterranean and Eritrean-Arabian biodiversity hotspots as revealed by <i>Globularia</i> and <i>Campylanthus</i> (Plantaginaceae). <i>Journal of Biogeography</i> , 2018, 45, 552-566.	3.0	14
56	Floral Scents of a Deceptive Plant Are Hyperdiverse and Under Population-Specific Phenotypic Selection. <i>Frontiers in Plant Science</i> , 2021, 12, 719092.	3.6	14
57	Chloroplast DNA and isozyme analysis of the progenitor-derivative species relationship between <i>Senecio nebrodensis</i> and <i>Senecio viscosus</i> (Asteraceae). <i>American Journal of Botany</i> , 1995, 82, 1179-1185.	1.7	13
58	Genetic effects of recent habitat fragmentation in the Thousand-Island Lake region of southeast China on the distylous herb <i>Hedyotis chrysotricha</i> (Rubiaceae). <i>American Journal of Botany</i> , 2012, 99, 1715-1725.	1.7	13
59	Phylogenomic insights into the temporal-spatial divergence history, evolution of leaf habit and hybridization in <i>Stachyurus</i> (Stachyuraceae). <i>Molecular Phylogenetics and Evolution</i> , 2020, 150, 106878.	2.7	12
60	Recurrent origin of peripheral, coastal (sub)species in Mediterranean <i>Senecio</i> (Asteraceae). <i>Plant Ecology and Diversity</i> , 2017, 10, 253-271.	2.4	8
61	Patterns of genotype variation and demographic history in <i>Lindera glauca</i> (Lauraceae), an apomictic-containing dioecious forest tree. <i>Journal of Biogeography</i> , 2020, 47, 2002-2016.	3.0	8
62	Primary hybrid zone formation in <i>Tephrosia helenitis</i> (Asteraceae), following postglacial range expansion along the central Northern Alps. <i>Molecular Ecology</i> , 2021, 30, 1704-1720.	3.9	8
63	Phylogenomics and diversification drivers of the Eastern Asian - Eastern North American disjunct Podophylloideae. <i>Molecular Phylogenetics and Evolution</i> , 2022, 169, 107427.	2.7	8
64	Hybridisation and detection of a hybrid zone between mesic and desert ragworts ( <i>Senecio</i> ) across an aridity gradient in the eastern Mediterranean. <i>Plant Ecology and Diversity</i> , 2018, 11, 267-281.	2.4	6
65	Evidence for selectively constrained 3D flower shape evolution in a Late Miocene clade of Malagasy <i>Bulbophyllum</i> orchids. <i>New Phytologist</i> , 2021, 232, 853-867.	7.3	5
66	A test of the centre-periphery hypothesis using population genetics in an East Asian Tertiary relict tree. <i>Journal of Biogeography</i> , 2021, 48, 2853-2864.	3.0	5
67	Antennae of psychodid and sphaerocerid flies respond to a high variety of floral scent compounds of deceptive <i>Arum maculatum</i> L.. <i>Scientific Reports</i> , 2022, 12, 5086.	3.3	5
68	Local Insect Availability Partly Explains Geographical Differences in Floral Visitor Assemblages of <i>Arum maculatum</i> L. (Araceae). <i>Frontiers in Plant Science</i> , 2022, 13, 838391.	3.6	4
69	Konrad Bachmann (1939-2012). <i>Taxon</i> , 2013, 62, 193-196.	0.7	0