Alex Widmer

List of Publications by Year in descending order

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41344 51608 8,838 137 49 86 citations h-index g-index papers 146 146 146 9933 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Neither connectivity nor genetic diversity matter in the conservation of a rare fern and a moss on insular erratic boulders. Conservation Genetics, 2022, 23, 193-209.	1.5	1
2	A target capture approach for phylogenomic analyses at multiple evolutionary timescales in rosewoods (<i>Dalbergia</i> spp.) and the legume family (Fabaceae). Molecular Ecology Resources, 2022, 22, 3087-3105.	4.8	5
3	Taxonomic Studies on Malagasy <i>Dalbergia</i> (Fabaceae). III. Two New Species from Southeastern Madagascar and an Emended Description of the Rosewood Species <i>Dalbergia maritima</i> Systematic Botany, 2022, 47, 397-416.	0.5	2
4	Dioecy Is Associated with High Genetic Diversity and Adaptation Rates in the Plant Genus <i>Silene</i> Molecular Biology and Evolution, 2021, 38, 805-818.	8.9	31
5	Developing a monitoring program of genetic diversity: what do stakeholders say?. Conservation Genetics, 2021, 22, 673-684.	1.5	16
6	Identifying loci under selection via explicit demographic models. Molecular Ecology Resources, 2021, 21, 2719-2737.	4.8	8
7	Introgression is widespread in the radiation of carnivorous Nepenthes pitcher plants. Molecular Phylogenetics and Evolution, 2021, 163, 107214.	2.7	8
8	Capacity of soil bacteria to reach the phyllosphere and convergence of floral communities despite soil microbiota variation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118 , .	7.1	38
9	Adaptation to local climate in multi-trait space: evidence from silver fir (Abies alba Mill.) populations across a heterogeneous environment. Heredity, 2020, 124, 77-92.	2.6	28
10	Genomic signatures of convergent adaptation to Alpine environments in three Brassicaceae species. Molecular Ecology, 2020, 29, 4350-4365.	3.9	17
11	Identification of sex-linked markers in the sexually cryptic coco de mer: are males and females produced in equal proportions?. AoB PLANTS, 2020, 12, plz079.	2.3	5
12	Conservation genetics: Linking science with practice. Molecular Ecology, 2019, 28, 3848-3856.	3.9	76
13	Insights into the genetic architecture of sexual dimorphism from an interspecific cross between two divergingSilene(Caryophyllaceae) species. Molecular Ecology, 2019, 28, 5052-5067.	3.9	4
14	Variation in growth and defence traits among plant populations at different elevations: Implications for adaptation to climate change. Journal of Ecology, 2019, 107, 2478-2492.	4.0	36
15	Low genetic variation is associated with low mutation rate in the giant duckweed. Nature Communications, 2019, 10, 1243.	12.8	65
16	Divergence in Glucosinolate Profiles between High- and Low-Elevation Populations of Arabidopsis halleri Correspond to Variation in Field Herbivory and Herbivore Behavioral Preferences. International Journal of Molecular Sciences, 2019, 20, 174.	4.1	11
17	Sex is determined by XY chromosomes across the radiation of dioecious Nepenthes pitcher plants. Evolution Letters, 2019, 3, 586-597.	3.3	13
18	Population genomic evidence for plant glacial survival in Scandinavia. Molecular Ecology, 2019, 28, 818-832.	3.9	34

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19	Ecological divergence plays an important role in strong but complex reproductive isolation in campions (<i>Silene</i>)*. Evolution; International Journal of Organic Evolution, 2019, 73, 245-261.	2.3	32
20	Trait differentiation and adaptation of plants along elevation gradients. Journal of Evolutionary Biology, 2018, 31, 784-800.	1.7	137
21	The genomic basis of adaptation to calcareous and siliceous soils in <i>Arabidopsis lyrata</i> Molecular Ecology, 2018, 27, 5088-5103.	3.9	20
22	Transmembrane transport and stress response genes play an important role in adaptation of Arabidopsis halleri to metalliferous soils. Scientific Reports, 2018, 8, 16085.	3.3	32
23	Has adaptation occurred in males and females since separate sexes evolved in the plant <i>Silene latifolia</i> ?. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172824.	2.6	11
24	Genomic imprinting mediates dosage compensation in a young plant XY system. Nature Plants, 2018, 4, 677-680.	9.3	34
25	Teosinte in Europe – Searching for the Origin of a Novel Weed. Scientific Reports, 2017, 7, 1560.	3.3	47
26	Estimating genomic diversity and population differentiation $\hat{a}\in$ an empirical comparison of microsatellite and SNP variation in Arabidopsis halleri. BMC Genomics, 2017, 18, 69.	2.8	216
27	Differential adaptation drives ecological speciation in campions (Silene): evidence from a multi-site transplant experiment. New Phytologist, 2017, 213, 1487-1499.	7.3	25
28	Local adaptation (mostly) remains local: reassessing environmental associations of climate-related candidate SNPs in Arabidopsis halleri. Heredity, 2017, 118, 193-201.	2.6	43
29	DNA Barcoding of Malagasy Rosewoods: Towards a Molecular Identification of CITES-Listed Dalbergia Species. PLoS ONE, 2016, 11, e0157881.	2.5	44
30	Genomic Imprinting in the Endosperm Is Systematically Perturbed in Abortive Hybrid Tomato Seeds. Molecular Biology and Evolution, 2016, 33, 2935-2946.	8.9	74
31	Chromosome numbers and karyotypes within the genus <i>Achillea</i> (<i>Asteraceae</i> : <i>Anthemideae</i>). Willdenowia, 2016, 46, 121-135.	0.8	5
32	Sequencing of the genus Arabidopsis identifies a complex history of nonbifurcating speciation and abundant trans-specific polymorphism. Nature Genetics, 2016, 48, 1077-1082.	21.4	198
33	Evolution of sex-biased gene expression in a dioecious plant. Nature Plants, 2016, 2, 16168.	9.3	57
34	Transgene Expression and Bt Protein Content in Transgenic Bt Maize (MON810) under Optimal and Stressful Environmental Conditions. PLoS ONE, 2015, 10, e0123011.	2.5	51
35	Fungal Infection Induces Sex-Specific Transcriptional Changes and Alters Sexual Dimorphism in the Dioecious Plant Silene latifolia. PLoS Genetics, 2015, 11, e1005536.	3.5	24
36	Rescue of Fructose-Induced Metabolic Syndrome by Antibiotics or Faecal Transplantation in a Rat Model of Obesity. PLoS ONE, 2015, 10, e0134893.	2.5	135

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37	A Single Nucleotide Deletion in <i>Gibberellin20-oxidase1</i> Causes Alpine Dwarfism in Arabidopsis. Plant Physiology, 2015, 168, 930-937.	4.8	22
38	Identifying new sex-linked genes through BAC sequencing in the dioecious plant Silene latifolia. BMC Genomics, 2015, 16, 546.	2.8	22
39	The roles of genetic drift and natural selection in quantitative trait divergence along an altitudinal gradient in Arabidopsis thaliana. Heredity, 2015, 114, 220-228.	2.6	50
40	Efficient Detection of Novel Nuclear Markers for Brassicaceae by Transcriptome Sequencing. PLoS ONE, 2015, 10, e0128181.	2.5	5
41	Identification of Internal Reference Genes for Gene Expression Normalization between the Two Sexes in Dioecious White Campion. PLoS ONE, 2014, 9, e92893.	2.5	15
42	Gene Regulatory Variation Mediates Flowering Responses to Vernalization along an Altitudinal Gradient in Arabidopsis. Plant Physiology, 2014, 166, 1928-1942.	4.8	30
43	Genomics and the origin of species. Nature Reviews Genetics, 2014, 15, 176-192.	16.3	850
44	Genome-wide Comparative Analysis of the GRAS Gene Family in Populus, Arabidopsis and Rice. Plant Molecular Biology Reporter, 2014, 32, 1129-1145.	1.8	107
45	Inheritance and reproductive consequences of floral anthocyanin deficiency in Silene dioica (Caryophyllaceae). American Journal of Botany, 2014, 101, 1388-1392.	1.7	4
46	EVOLUTION OF SEX DETERMINATION SYSTEMS WITH HETEROGAMETIC MALES AND FEMALES IN <i>SILENE</i> Evolution; International Journal of Organic Evolution, 2013, 67, 3669-3677.	2.3	44
47	Population genomic footprints of selection and associations with climate in natural populations of <i>Arabidopsis halleri</i> from the Alps. Molecular Ecology, 2013, 22, 5594-5607.	3.9	113
48	Host range evolution in a selected group of osmiine bees (Hymenoptera: Megachilidae): the Boraginaceae-Fabaceae paradox. Biological Journal of the Linnean Society, 2013, 108, 35-54.	1.6	38
49	Patterns of molecular evolution in dioecious and nonâ€dioecious <i>Silene</i> , Journal of Evolutionary Biology, 2013, 26, 335-346.	1.7	16
50	A road map for molecular ecology. Molecular Ecology, 2013, 22, 2605-2626.	3.9	100
51	Phenotypic Effects of Salt and Heat Stress over Three Generations in Arabidopsis thaliana. PLoS ONE, 2013, 8, e80819.	2.5	55
52	Herkogamy and Its Effects on Mating Patterns in Arabidopsis thaliana. PLoS ONE, 2013, 8, e57902.	2.5	36
53	Environmental Heat and Salt Stress Induce Transgenerational Phenotypic Changes in Arabidopsis thaliana. PLoS ONE, 2013, 8, e60364.	2.5	98
54	Rapid De Novo Evolution of X Chromosome Dosage Compensation in Silene latifolia, a Plant with Young Sex Chromosomes. PLoS Biology, 2012, 10, e1001308.	5.6	146

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55	Characterization of microsatellites in the mountain plant Armeria caespitosa (Plumbaginaceae) and transferability to congeners. American Journal of Botany, 2012, 99, e292-e294.	1.7	2
56	Is floral divergence sufficient to maintain species boundaries upon secondary contact in Mediterranean food-deceptive orchids?. Heredity, 2012, 108, 219-228.	2.6	19
57	Unravelling genetics at the top: mountain islands or isolated belts?. Annals of Botany, 2012, 110, 1221-1232.	2.9	24
58	Comparative analysis of a plant pseudoautosomal region (PAR) in Silene latifolia with the corresponding S. vulgaris autosome. BMC Genomics, 2012, 13, 226.	2.8	20
59	Identification of white campion (Silene latifolia) guaiacol O-methyltransferase involved in the biosynthesis of veratrole, a key volatile for pollinator attraction. BMC Plant Biology, 2012, 12, 158.	3 . 6	20
60	Genetic analysis of post-mating reproductive barriers in hybridizing European Populus species. Heredity, 2011, 107, 478-486.	2.6	29
61	Plant centromeric retrotransposons: a structural and cytogenetic perspective. Mobile DNA, 2011, 2, 4.	3 . 6	186
62	Comparative high-throughput transcriptome sequencing and development of SiESTa, the Silene EST annotation database. BMC Genomics, 2011, 12, 376.	2.8	25
63	Searching for gene flow from cultivated to wild strawberries in Central Europe. Annals of Botany, 2011, 107, 699-707.	2.9	5
64	Structure and evolution of Apetala3, a sex-linked gene in Silene latifolia. BMC Plant Biology, 2010, 10, 180.	3.6	37
65	Polymorphism of postmating reproductive isolation within plant species. Taxon, 2010, 59, 1367-1374.	0.7	53
66	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2009–30 November 2009. Molecular Ecology Resources, 2010, 10, 404-408.	4.8	84
67	How to be an attractive male: floral dimorphism and attractiveness to pollinators in a dioecious plant. BMC Evolutionary Biology, 2009, 9, 190.	3.2	58
68	A White Campion (Silene latifolia) floral expressed sequence tag (EST) library: annotation, EST-SSR characterization, transferability, and utility for comparative mapping. BMC Genomics, 2009, 10, 243.	2.8	45
69	Phylogeography and host race differentiation in the European mistletoe (<i>Viscum album</i> L.). Molecular Ecology, 2009, 18, 1946-1962.	3.9	37
70	Evolution of reproductive isolation in plants. Heredity, 2009, 102, 31-38.	2.6	245
71	Silene as a model system in ecology and evolution. Heredity, 2009, 103, 5-14.	2.6	203
72	CONTRASTING THOUGHTS ABOUT DECEPTIVE ORCHIDS: A RESPONSE TO SOBEL AND RANDLE. Evolution; International Journal of Organic Evolution, 2009, 63, 2205-2209.	2.3	5

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73	Pollen competition as an asymmetric reproductive barrier between two closely related <i>Silene </i> species. Journal of Evolutionary Biology, 2009, 22, 1937-1943.	1.7	44
74	Chromosome numbers and karyotypes within the Ranunculus alpestris-group (Ranunculaceae). Organisms Diversity and Evolution, 2009, 9, 232-243.	1.6	12
75	Karyological data of some angiosperms from Romania. Willdenowia, 2009, 39, 353-363.	0.8	11
76	Survey of repetitive sequences in Silene latifolia with respect to their distribution on sex chromosomes. Chromosome Research, 2008, 16, 961-976.	2.2	99
77	Phylogeny and biogeography of bees of the tribe Osmiini (Hymenoptera: Megachilidae). Molecular Phylogenetics and Evolution, 2008, 49, 185-197.	2.7	70
78	PATTERNS OF HOST-PLANT CHOICE IN BEES OF THE GENUS <i>CHELOSTOMA</i> HYPOTHESIS OF HOST-RANGE EVOLUTION IN BEES. Evolution; International Journal of Organic Evolution, 2008, 62, 2487-2507.	2.3	92
79	Floral odour and reproductive isolation in two species of <i>Silene</i> . Journal of Evolutionary Biology, 2008, 21, 111-121.	1.7	119
80	A population genomic analysis of species boundaries: neutral processes, adaptive divergence and introgression between two hybridizing plant species. Molecular Ecology, 2008, 17, 1552-1563.	3.9	108
81	Phylogeography of native ploidy levels and invasive tetraploids of <i>Solidago gigantea </i> Molecular Ecology, 2008, 17, 5245-5256.	3.9	25
82	Cophylogeny of the anther smut fungi and their caryophyllaceous hosts: Prevalence of host shifts and importance of delimiting parasite species for inferring cospeciation. BMC Evolutionary Biology, 2008, 8, 100.	3.2	116
83	Evidence for Degeneration of the Y Chromosome in the Dioecious Plant Silene latifolia. Current Biology, 2008, 18, 545-549.	3.9	123
84	Ecologically relevant genetic variation from a non-Arabidopsis perspective. Current Opinion in Plant Biology, 2008, $11, 156-162$.	7.1	32
85	The genic view of plant speciation: recent progress and emerging questions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3023-3036.	4.0	126
86	Evolution of Postzygotic Reproductive Isolation in a Guild of Deceptive Orchids. American Naturalist, 2008, 171, 315-326.	2.1	100
87	Efficient molecular sexing in dioecious <i>Silene latifolia</i> and <i>S. dioica</i> and paternity analysis in F ₁ hybrids. Molecular Ecology Resources, 2008, 8, 1274-1276.	4.8	10
88	Independent Origin of Sex Chromosomes in Two Species of the Genus Silene. Genetics, 2008, 179, 1129-1133.	2.9	50
89	High intrachromosomal similarity of retrotransposon long terminal repeats: Evidence for homogenization by gene conversion on plant sex chromosomes?. Gene, 2007, 390, 92-97.	2.2	33
90	The strength of reproductive isolation in two hybridizing food-deceptive orchid species. Molecular Ecology, 2007, 16, 2855-2866.	3.9	72

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91	Genetic structure of hybrid zones between Silene latifolia and Silene dioica (Caryophyllaceae): evidence for introgressive hybridization. Molecular Ecology, 2007, 16, 2504-2516.	3.9	100
92	PATTERNS OF REPRODUCTIVE ISOLATION IN MEDITERRANEAN DECEPTIVE ORCHIDS. Evolution; International Journal of Organic Evolution, 2007, 61, 2623-2642.	2.3	186
93	Genetic variation in time and space: the use of herbarium specimens to reconstruct patterns of genetic variation in the endangered orchid Anacamptis palustris. Conservation Genetics, 2007, 8, 629-639.	1.5	30
94	The role of chromosomal rearrangements in the evolution of Silene latifolia sex chromosomes. Molecular Genetics and Genomics, 2007, 278, 633-638.	2.1	51
95	Hybridization and conservation of Mediterranean orchids: Should we protect the orchid hybrids or the orchid hybrid zones?. Biological Conservation, 2006, 129, 14-23.	4.1	7 3
96	Response to Otero and Flanagan: Orchid diversity – beyond deception. Trends in Ecology and Evolution, 2006, 21, 65-66.	8.7	8
97	Genetic architecture of traits associated with serpentine adaptation of Silene vulgaris. Journal of Evolutionary Biology, 2006, 19, 1149-1156.	1.7	51
98	Postpollination Changes in Floral Odor in Silene latifolia: Adaptive Mechanisms for Seed-Predator Avoidance?. Journal of Chemical Ecology, 2006, 32, 1855-1860.	1.8	56
99	A unique A. palustris lineage across the Otranto strait: botanical evidence for a past land-bridge?. Plant Systematics and Evolution, 2006, 262, 103-111.	0.9	16
100	Chromosome numbers of plant species from the Canary Islands. Botanica Helvetica, 2006, 116, 9-30.	1.1	14
101	QTL Analysis of Intraspecific Differences between Two Silene vulgaris Ecotypes. Annals of Botany, 2006, 98, 411-419.	2.9	30
102	A genetic linkage map of Silene vulgaris based on AFLP markers. Genome, 2006, 49, 320-327.	2.0	28
103	The evolutionary basis of reproductive isolation in Mediterranean orchids. Taxon, 2005, 54, 977-985.	0.7	32
104	Reproductive Versus Floral Isolation Among Morphologically Similar Serapias L. Species (Orchidaceae). Journal of Heredity, 2005, 96, 15-23.	2.4	19
105	Evidence for pollinator sharing in Mediterranean nectar-mimic orchids: absence of premating barriers?. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1271-1278.	2.6	88
106	Chloroplast DNA Inheritance in the Orchid Anacamptis palustris Using Single-Seed Polymerase Chain Reaction. Journal of Heredity, 2005, 96, 66-70.	2.4	43
107	Orchid diversity: an evolutionary consequence of deception?. Trends in Ecology and Evolution, 2005, 20, 487-494.	8.7	437
108	Evidence for reproductive isolate selection in Mediterranean orchids: karyotype differences compensate for the lack of pollinator specificity. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S259-62.	2.6	71

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109	Hypervariable plastid locus variation and intron evolution in the Anacamptis palustris lineage. Genome, 2004, 47, 999-1003.	2.0	6
110	Cytological data of some plant species from Israel. Israel Journal of Plant Sciences, 2004, 52, 171-176.	0.5	4
111	Molecular Evolution of a Plastid Tandem Repeat Locus in an Orchid Lineage. Journal of Molecular Evolution, 2003, 57, S41-S49.	1.8	30
112	Fineâ€scale phylogeographical analysis of Mediterranean Anacamptis palustris (Orchidaceae) populations based on chloroplast minisatellite and microsatellite variation. Molecular Ecology, 2003, 12, 2783-2792.	3.9	73
113	GENE FLOW ACROSS SPECIES BOUNDARIES IN SYMPATRIC, SEXUALLY DECEPTIVE OPHRYS (ORCHIDACEAE) SPECIES. Evolution; International Journal of Organic Evolution, 2003, 57, 2252-2261.	2.3	81
114	Variation at a chloroplast minisatellite locus reveals the signature of habitat fragmentation and genetic bottlenecks in the rare orchid <i>Anacamptis palustris</i> (Orchidaceae). American Journal of Botany, 2003, 90, 1681-1687.	1.7	34
115	The genetic architecture necessary for transgressive segregation is common in both natural and domesticated populations. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 1141-1147.	4.0	240
116	GENE FLOW ACROSS SPECIES BOUNDARIES IN SYMPATRIC, SEXUALLY DECEPTIVE OPHRYS (ORCHIDACEAE) SPECIES. Evolution; International Journal of Organic Evolution, 2003, 57, 2252.	2.3	6
117	Directional selection is the primary cause of phenotypic diversification. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12242-12245.	7.1	183
118	A new force in the evolution of floral form. Trends in Ecology and Evolution, 2002, 17, 62.	8.7	1
119	Natural enemies and sex: how seed predators and pathogens contribute to sex-differential reproductive success in a gynodioecious plant. Oecologia, 2002, 131, 94-102.	2.0	60
120	Title is missing!. Conservation Genetics, 2002, 3, 235-245.	1.5	41
121	Speciation processes in Eastern Mediterranean Orchis s.l. species: Molecular evidence and the role of pollination biology. Israel Journal of Plant Sciences, 2001, 49, 91-103.	0.5	45
122	Glacial refugia: sanctuaries for allelic richness, but not for gene diversity. Trends in Ecology and Evolution, 2001, 16, 267-269.	8.7	197
123	Characterization of a minisatellite repeat locus in the chloroplast genome of Orchis palustris (Orchidaceae). Current Genetics, 2001, 39, 394-398.	1.7	21
124	Molecular Phylogenetics of the Sexually Deceptive Orchid Genus Ophrys (Orchidaceae) Based on Nuclear and Chloroplast DNA Sequences. Molecular Phylogenetics and Evolution, 2001, 20, 78-88.	2.7	90
125	Phylogeny and Classification of Poison Frogs (Amphibia: Dendrobatidae), Based on Mitochondrial 16S and 12S Ribosomal RNA Gene Sequences. Molecular Phylogenetics and Evolution, 2000, 15, 34-40.	2.7	122
126	Genetic evidence for host specificity in the hemi-parasiticViscum albumL. (Viscaceae). Molecular Ecology, 2000, 9, 1069-1073.	3.9	36

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127	Molecular analysis of orchid pollinaria and pollinaria-remains found on insects. Molecular Ecology, 2000, 9, 1911-1914.	3.9	45
128	Isolation and characterization of microsatellite loci in the dice snake (Natrix tessellata). Molecular Ecology, 2000, 9, 2192-2193.	3.9	62
129	Molecular evidence for allopolyploid speciation and a single origin of the narrow endemicDraba ladina(Brassicaceae). American Journal of Botany, 1999, 86, 1282-1289.	1.7	80
130	The population genetic structure of a large temperate pollinator species, Bombus pascuorum (Scopoli) (Hymenoptera: Apidae). Molecular Ecology, 1999, 8, 387-398.	3.9	59
131	Extensive intraspecific chloroplast DNA (cpDNA) variation in the alpine Draba aizoides L. (Brassicaceae): haplotype relationships and population structure. Molecular Ecology, 1999, 8, 1405-1415.	3.9	36
132	Floral mimicry: a fascinating yet poorly understood phenomenon. Trends in Plant Science, 1999, 4, 325-330.	8.8	136
133	Genetic and Floral Divergence among Sympatric Populations of Gymnadenia conopsea s.l. (Orchideaceae) with Different Flowering Phenology. International Journal of Plant Sciences, 1999, 160, 897-905.	1.3	72
134	Eggs first. Trends in Ecology and Evolution, 1998, 13, 158.	8.7	10
135	Parasites and carotenoid-based signal intensity: How general should the relationship be?. Die Naturwissenschaften, 1996, 83, 113-121.	1.6	35
136	Parasites and Carotenoid-based Signal Intensity: How General Should the Relationship Be?. Die Naturwissenschaften, 1996, 83, 113-121.	1.6	7
137	ConservePlants: An integrated approach to conservation of threatened plants for the 21st Century. Research Ideas and Outcomes, 0, 7, .	1.0	6