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Range shifts and adaptive responses to Quaternary climate change

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1439	Potential Challenges of Climate Change to Orchid Conservation in a Wild Orchid Hotspot in Southwestern China. <b>2010</b> , 76, 174-192	41
1438	Evaluating Adaptive Processes for Conservation and Management of Estuarine and Coastal Resources. <b>2010</b> , 33, 805-810	13
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1433	Natural selection on cork oak: allele frequency reveals divergent selection in cork oak populations along a temperature cline. <b>2010</b> , 24, 1031-1044	10
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1426	Plant health and global changesome implications for landscape management. <b>2010</b> , 85, 729-55	102
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1410	The making of a rapid plant invader: genetic diversity and differentiation in the native and invaded range of Senecio inaequidens. <b>2010</b> , 19, 3952-67	82

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1409	Geography determines genetic relationships between species of mountain pine (Pinus mugo complex) in western Europe. <b>2010</b> , 37, 541-556	63
1408	Phylogeography of white spruce (Picea glauca) in eastern North America reveals contrasting ecological trajectories. <b>2010</b> , 37, 741-751	55
1407	Persistence and expansion of ponderosa pine woodlands in the west-central Great Plains during the past two centuries. <b>2010</b> , 37, 1668-1683	12
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1405	Climate change, unpredictable cold waves and possible brakes on plant migration. 2010, 19, no-no	6
1404	Global patterns in the vulnerability of ecosystems to vegetation shifts due to climate change. <b>2010</b> , 19, 755-768	341
1403	Ecological correlates of range shifts of Late Pleistocene mammals. <b>2010</b> , 365, 3681-93	31
1402	Evolutionary constraints on adaptive evolution during range expansion in an invasive plant. <b>2010</b> , 277, 1799-806	127
1401	Long-distance pine pollen still germinates after meso-scale dispersal. <b>2010</b> , 97, 846-55	50
1400	Tolerance adaptation and precipitation changes complicate latitudinal patterns of climate change impacts. <b>2010</b> , 107, 12581-6	77
1399	Using Tree Rings to Predict the Response of Tree Growth to Climate Change in the Continental United States during the Twenty-First Century. <b>2010</b> , 14, 1-20	31
1398	Reduced salinities compromise the thermal tolerance of hypersaline specialist diving beetles. <b>2010</b> , 35, 265-273	25
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1393	Understanding the evolution of native pinewoods in Scotland will benefit their future management and conservation. <b>2010</b> , 83, 535-545	16
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1379	Changes through time: integrating microorganisms into the study of succession. <b>2010</b> , 161, 635-42	232
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1363 1362 1361 1360	Beyond Reserves and Corridors: Policy Solutions to Facilitate the Movement of Plants and Animals in a Changing Climate. 2011, 61, 713-719  Climate change and nature conservation in Central European forests: A review of consequences, concepts and challenges. 2011, 261, 829-843  Growth responses of West-Mediterranean Pinus nigra to climate change are modulated by competition and productivity: Past trends and future perspectives. 2011, 262, 1030-1040  Assisted colonization: Integrating conservation strategies in the face of climate change. 2011, 144, 92-100  Taking stock of the assisted migration debate. 2011, 144, 2560-2572	27 104 81 125 180

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872	Geographical Barriers and Dispersal Propensity Interact to Limit Range Expansions of Himalayan Birds. <b>2016</b> , 188, 99-112	26
871	Quaternary Biogeography and Climate Change. <b>2016</b> , 395-405	О
870	Ecological constraints increase the climatic debt in forests. <b>2016</b> , 7, 12643	73

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868	Dispersal Biogeography. <b>2016</b> , 453-457	2
867	Ecological Assessment of Plant Communities and Associated Edaphic and Topographic Variables in the Peochar Valley of the Hindu Kush Mountains. <b>2016</b> , 36, 332	14
866	Molecular Biogeography of Prickly Lettuce (Lactuca serriola L.) Shows Traces of Recent Range Expansion. <b>2017</b> , 108, 194-206	5
865	Phylogenetic assemblage structure of North American trees is more strongly shaped by glacial-interglacial climate variability in gymnosperms than in angiosperms. <b>2016</b> , 6, 3092-106	32
864	Long-term persisting hybrid swarm and geographic difference in hybridization pattern: genetic consequences of secondary contact between two Vincetoxicum species (Apocynaceae-Asclepiadoideae). <b>2016</b> , 16, 20	9
863	Implications of a Bayesian radiocarbon calibration of colonization ages for mammalian megafauna in glaciated New York State after the Last Glacial Maximum. <b>2016</b> , 85, 262-270	10
862	Phenotypic plasticity controls regional-scale variation in Quercus variabilis leaf 🛮 3C. <b>2016</b> , 30, 1445-1453	3
861	Trait differentiation among Stipa krylovii populations in the InnerMongolia Steppe region. <b>2016</b> , 223, 90-98	5
860	Evolution of East Asia's Arcto-Tertiary relict Euptelea (Eupteleaceae) shaped by Late Neogene vicariance and Quaternary climate change. <b>2016</b> , 16, 66	43
859	Responses of arbuscular mycorrhizal symbionts to contrasting environments: field evidence along a Tibetan elevation gradient. <b>2016</b> , 26, 623-32	6
858	Strong paleoclimatic legacies in current plant functional diversity patterns across Europe. <b>2016</b> , 6, 3405-16	15
857	Life stage, not climate change, explains observed tree range shifts. <b>2016</b> , 22, 1904-14	33
856	A replicated climate change field experiment reveals rapid evolutionary response in an ecologically important soil invertebrate. <b>2016</b> , 22, 2370-9	12
855	Geographic variation in climate as a proxy for climate change: Forecasting evolutionary trajectories from species differentiation and genetic correlations. <b>2016</b> , 103, 140-52	12
854	Responses of plants to changes in Qinghai <b>l</b> ibetan Plateau and glaciations: Evidence from phylogeography of a Sibiraea (Rosaceae) complex. <b>2016</b> , 65, 72-82	10
853	Quantifying density-independent mortality of temperate tree species. <b>2016</b> , 66, 1-9	8
852	Postglacial expansion pathways of red mangrove, Rhizophora mangle, in the Caribbean Basin and Florida. <b>2016</b> , 103, 260-76	34

851	Adapting to a Changing Environment: Modeling the Interaction of Directional Selection and Plasticity. <b>2016</b> , 107, 15-24	23
850	Informing conservation by identifying range shift patterns across breeding habitats and migration strategies. <b>2016</b> , 25, 345-356	19
849	Nuclear microsatellites reveal the genetic architecture and breeding history of tea germplasm of East Africa. <b>2016</b> , 12, 1	19
848	Present-day connectivity of historical stocks of the ecosystem engineer Perumytilus purpuratus along 4500 km of the Chilean Coast. <b>2016</b> , 179, 322-332	10
847	Influence of elevation and site productivity on conifer distributions across Alaskan temperate rainforests. <b>2016</b> , 46, 249-261	4
846	Climate Oscillations, Range Shifts and Phylogeographic Patterns of North Atlantic Fucaceae. <b>2016</b> , 279-308	20
845	Change in Southern Hemisphere Intertidal Communities Through Climate Cycles: The Role of Dispersing Algae. <b>2016</b> , 131-143	5
844	Constraints to and conservation implications for climate change adaptation in plants. <b>2016</b> , 17, 305-320	89
843	Direct and indirect effects of climate change on projected future fire regimes in the western United States. <b>2016</b> , 542, 65-75	55
842	Biology and ecological functions of aquatic hyphomycetes in a warming climate. <b>2016</b> , 19, 201-218	30
841	Phylogeography of the harvestman genus Metasiro (Arthropoda, Arachnida, Opiliones) reveals a potential solution to the Pangean paradox. <b>2016</b> , 16, 167-184	13
840	Turn up the heat: thermal tolerances of lizards at La Selva, Costa Rica. <b>2016</b> , 180, 325-34	27
839	Climatic niche models and their consensus projections for future climates for four major forest tree species in the AsiaPacific region. <b>2016</b> , 360, 357-366	50
838	Range and niche shifts in response to past climate change in the desert horned lizard (). <b>2016</b> , 39, 437-448	22
837	Energetics and monsoon bifurcations. <b>2017</b> , 48, 561-576	3
836	The occurrence of Potamomyces palmarensis sp. nov. in the Late Holocene of El Palmar National Park (Colli, Entre Ris, Argentina) and transfer of fossil species of Mediaverrunites to Potamomyces. <b>2017</b> , 41, 267-277	10
835	Global test of Eltonian niche conservatism of nonnative freshwater fish species between their native and introduced ranges. <b>2017</b> , 40, 384-392	12
834	Emergent climate and CO sensitivities of net primary productivity in ecosystem models do not agree with empirical data in temperate forests of eastern North America. <b>2017</b> , 23, 2755-2767	31

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833	Molecular phylogeography and population evolution analysis of Citrus ichangensis (Rutaceae). <b>2017</b> , 13, 1	11
832	Competition and facilitation may lead to asymmetric range shift dynamics with climate change. <b>2017</b> , 23, 3921-3933	57
831	Genomic Characterization of the Evolutionary Potential of the Sea Urchin Strongylocentrotus droebachiensis Facing Ocean Acidification. <b>2016</b> , 8, 3672-3684	9
830	Genetic differentiation and plasticity interact along temperature and precipitation gradients to determine plant performance under climate change. <b>2017</b> , 105, 1358-1373	46
829	Climate determinants of breeding and wintering ranges of lesser kestrels in Italy and predicted impacts of climate change. <b>2017</b> , 48, 1595-1607	9
828	Declines in low-elevation subalpine tree populations outpace growth in high-elevation populations with warming. <b>2017</b> , 105, 1347-1357	38
827	Global determinants of zoogeographical boundaries. <b>2017</b> , 1, 89	89
826	Differences in dehydration tolerance among populations of a gametophyte-only fern. <b>2017</b> , 104, 598-607	7
825	Regional Genetic Structure in the Aquatic Macrophyte Ruppia cirrhosa Suggests Dispersal by Waterbirds. <b>2017</b> , 40, 1705-1716	5
824	Grand Challenges in Understanding the Interplay of Climate and Land Changes. <b>2017</b> , 21, 1-43	17
823	Beyond exposure, sensitivity and adaptive capacity: a response based ecological framework to assess species climate change vulnerability. <b>2017</b> , 4,	13
822	A dynamic eco-evolutionary model predicts slow response of alpine plants to climate warming. <b>2017</b> , 8, 15399	99
821	Latitudinal variation of life-history traits of an exotic and a native impatiens species in Europe. <b>2017</b> , 81, 40-47	3
820	Genetic structure of the American ginseng (Panax quinquefolius L.) in Eastern Canada using reduced-representation high-throughput sequencing. <b>2017</b> , 95, 429-434	3
819	The Separation of Generations: Biology and Biogeography of Long-Lived Sporophyteless Fern Gametophytes. <b>2017</b> , 178, 1-18	24
818	The late-Holocene decline of Tilia in relation to climate and human activities [pollen evidence from 42 sites in southern Sweden. <b>2017</b> , 44, 2398-2409	5
817	Divergence of species responses to climate change. <b>2017</b> , 3, e1603055	167
816	Unique postglacial evolution of the hornbeam (Carpinus betulus L.) in the Carpathians and the Balkan Peninsula revealed by chloroplast DNA. <b>2017</b> , 599-600, 1493-1502	7

815	Using phylogenies to trace the geographical signal of diversification. <b>2017</b> , 44, 2236-2246	7
814	Dispersal corridors for plant species in the Poyang Lake Basin of southeast China identified by integration of phylogeographic and geospatial data. <b>2017</b> , 7, 5140-5148	11
813	The borealEemperate forest ecotone response to climate change. 2017, 25, 423-431	33
812	Assessing climate change impacts, benefits of mitigation, and uncertainties on major global forest regions under multiple socioeconomic and emissions scenarios. <b>2017</b> , 12, 045001	19
811	Integrative taxonomy of the Central African forest chameleon, Kinyongia adolfifriderici (Sauria: Chamaeleonidae), reveals underestimated species diversity in the Albertine Rift. <b>2017</b> ,	3
810	A common thermal niche among geographically diverse populations of the widely distributed tree species Eucalyptus tereticornis: No evidence for adaptation to climate-of-origin. <b>2017</b> , 23, 5069-5082	25
809	Europe-wide biogeographical patterns in the diet of an ecologically and epidemiologically important mesopredator, the red fox Vulpes vulpes: a quantitative review. <b>2017</b> , 47, 198-211	49
808	Genetic Diversity and Population Structure In the Rare, Endemic Baker Cypress (Hesperocyparis bakeri). <b>2017</b> , 64, 71-82	3
807	Responses of antinomic foliar traits to experimental climate forcing in beech and spruce saplings. <b>2017</b> , 140, 128-140	8
806	Population-level genetic variation and climate change in a biodiversity hotspot. <b>2017</b> , 119, 215-228	30
805	Boreal Forest Ecosystems. <b>2017</b> , 1-11	
804	Using multi-date satellite imagery to monitor invasive grass species distribution in post-wildfire landscapes: An iterative, adaptable approach that employs open-source data and software. <b>2017</b> , 59, 135-146	28
803	Cliff Flora of the Big South Fork National River and Recreation Area. <b>2017</b> , 37, 200	5
802	Connecting today's climates to future climate analogs to facilitate movement of species under climate change. <b>2017</b> , 31, 1397-1408	48
801	References. <b>2017</b> , 319-386	
800	Aridity drove the evolution of extreme embolism resistance and the radiation of conifer genus Callitris. <b>2017</b> , 215, 97-112	88
799	Climate Change and Biogeography. <b>2017</b> , 1-10	
798	Biodiversity redistribution under climate change: Impacts on ecosystems and human well-being. <i>Science</i> , <b>2017</b> , 355,	3 1215

797	Potential effects of climate change on geographic distribution of the Tertiary relict tree species Davidia involucrata in China. <b>2017</b> , 7, 43822	47
796	Water availability drives signatures of local adaptation in whitebark pine (Pinus albicaulis Engelm.) across fine spatial scales of the Lake Tahoe Basin, USA. <b>2017</b> , 26, 3168-3185	37
795	Species distribution models predict temporal but not spatial variation in forest growth. <b>2017</b> , 7, 2585-2594	24
794	Hydrologic refugia, plants, and climate change. <b>2017</b> , 23, 2941-2961	183
793	Arctic and boreal plant species decline at their southern range limits in the Rocky Mountains. <b>2017</b> , 20, 166-174	28
79 <sup>2</sup>	Potential climate change effects on tree distributions in the Korean Peninsula: Understanding model & climate uncertainties. <b>2017</b> , 353, 17-27	18
791	Large- and small-scale environmental factors drive distributions of cool-adapted plants in karstic microrefugia. <b>2017</b> , 119, 301-309	29
790	Vulnerability of eastern US tree species to climate change. <b>2017</b> , 23, 3302-3320	39
789	Biotic immigration events, speciation, and the accumulation of biodiversity in the fossil record. <b>2017</b> , 148, 242-257	43
788	Detecting spatial regimes in ecosystems. <b>2017</b> , 20, 19-32	34
787	Evolution of dispersal strategies in conifers: Functional divergence and convergence in the morphology of diaspores. <b>2017</b> , 24, 93-117	17
786	Extended dispersal kernels in a changing world: insights from statistics of extremes. <b>2017</b> , 105, 63-74	19
7 <sup>8</sup> 5	Spatial correspondence between the specialist galling insect genus Kladothrips (Thysanoptera: Tubulifera: Phlaeothripidae) and its Acacia host: ecological and evolutionary constraints on host use. <b>2017</b> , 56, 412-423	
7 <sup>8</sup> 4	Leaf characters of Ulmus elongata in fragmented habitats: Implications for conservation. <b>2017</b> , 37, 346-353	2
783	Phylogenetic structure of regional angiosperm assemblages across latitudinal and climatic gradients in North America. <b>2017</b> , 26, 1258-1269	23
782	Assessing trait-based scaling theory in tropical forests spanning a broad temperature gradient. <b>2017</b> , 26, 1357-1373	29
781	Biogeography of plant-associated fungal symbionts in mountain ecosystems: A meta-analysis. <b>2017</b> , 23, 1067-1077	26
780	Adaptive management in the context of barriers in European freshwater ecosystems. <b>2017</b> , 204, 436-441	23

779	Genetic Diversity of OrchidMalaxis monophyllosOver European Range as an Effect of Population Properties and Postglacial Colonization. <b>2017</b> , 65, 69-86	3
778	Climate reconstructions based on postglacial macrofossil assemblages from four river systems in southwestern Alberta. <b>2017</b> , 42, 289-305	2
777	Rapid morphological divergence in two closely related and co-occurring species over the last 50 years. <b>2017</b> , 31, 847-864	17
776	Substantial variation in the timing of pollen production reduces reproductive synchrony between distant populations of L. in Scotland. <b>2017</b> , 7, 5754-5765	10
775	A range of possibilities: Assessing geographic variation in climate sensitivity of ponderosa pine using tree rings. <b>2017</b> , 402, 223-233	27
774	Life-History Responses to the Altitudinal Gradient. <b>2017</b> , 253-283	26
773	Local-scale diversity and adaptation along elevational gradients assessed by reciprocal transplant experiments: lack of local adaptation in silver fir populations. <b>2017</b> , 74, 1	13
772	Mitogenome evolution in the last surviving woolly mammoth population reveals neutral and functional consequences of small population size. <b>2017</b> , 1, 292-303	13
771	Conceptualizing communities as natural entities: a philosophical argument with basic and applied implications. <b>2017</b> , 32, 1019-1034	5
770	Climate extremes and predicted warming threaten Mediterranean Holocene firs forests refugia. <b>2017</b> , 114, E10142-E10150	64
769	Advancing Mangrove Macroecology. <b>2017</b> , 347-381	9
768	Phenology, roots and reproductive allocation, but not the LHS scheme, shape ecotypes along an aridity gradient. <b>2017</b> , 29, 20-29	9
767	Toward an improved conceptual understanding of North American tree species distributions. <b>2017</b> , 8, e01853	15
766	Genetic evidence of range-wide population declines in an Australian marsupial prior to European settlement. <b>2017</b> , 18, 1077-1089	3
765	Phylogenetic position of the disjunct species Musa ornata (Musaceae): first approach to understand its distribution. <b>2017</b> , 64, 1889-1904	O
764	Post-glacial biogeography of trembling aspen inferred from habitat models and genetic variance in quantitative traits. <b>2017</b> , 7, 4672	7
763	Genotypic and phenotypic changes in wild barley (Hordeum vulgare subsp. spontaneum) during a period of climate change in Jordan. <b>2017</b> , 64, 1295-1312	16
762	Lightning as a major driver of recent large fire years in North American boreal forests. <b>2017</b> , 7, 529-534	164

761	mutation rates in the progeny of Arabidopsis. <b>2017</b> , 17, 103	14
760	Climates on the move: Implications of climate warming for species distributions in mountains of the northeastern United States. <b>2017</b> , 246, 272-280	13
759	Distinct genecological patterns in seedlings of Norway spruce and silver fir from a mountainous landscape. <b>2017</b> , 98, 211-227	25
75 <sup>8</sup>	Climatic microrefugia under anthropogenic climate change: implications for species redistribution. <b>2017</b> , 40, 253-266	149
757	Climate and competition affect growth and survival of transplanted sugar maple seedlings along a 1700-km gradient. <b>2017</b> , 87, 130-157	22
756	Responses of an Australian freshwater turtle to drought-flood cycles along a natural to urban gradient. <b>2017</b> , 42, 442-455	6
755	Climate adaptation is not enough: warming does not facilitate success of southern tundra plant populations in the high Arctic. <b>2017</b> , 23, 1540-1551	53
754	Wild Felid Range Shift Due to Climatic Constraints in the Americas: a Bottleneck Explanation for Extinct Felids?. <b>2017</b> , 24, 427-438	7
753	Genetically informed ecological niche models improve climate change predictions. 2017, 23, 164-176	110
752	Fine with heat, problems with water: microclimate alters water loss in a thermally adapted insular lizard. <b>2017</b> , 126, 447-457	20
751	Influence of altitude on local adaptation in upland tree species from central Argentina. 2017, 19, 123-131	9
75°	Genetic consequences of Quaternary climatic oscillations in the Himalayas: Primula tibetica as a case study based on restriction site-associated DNA sequencing. <b>2017</b> , 213, 1500-1512	42
749	Tracking lags in historical plant species' shifts in relation to regional climate change. <b>2017</b> , 23, 1305-1315	59
748	An ecoregion assessment of projected tree species vulnerabilities in western North America through the 21st century. <b>2017</b> , 23, 920-932	24
747	Rapid climate-driven loss of breeding habitat for Arctic migratory birds. 2017, 23, 1085-1094	65
746	Adaptive evolution and segregating load contribute to the genomic landscape of divergence in two tree species connected by episodic gene flow. <b>2017</b> , 26, 59-76	52
745	Adaptive and plastic responses of Quercus petraea populations to climate across Europe. <b>2017</b> , 23, 2831-2847	<b>'</b> 60
744	Late Quaternary climate stability and the origins and future of global grass endemism. <b>2017</b> , 119, 279-288	16

743	On the use of a snow aridity index to predict remotely sensed forest productivity in the presence of bark beetle disturbance. <b>2017</b> , 53, 4891-4906	11
742	Evidence of exceptional oyster-reef resilience to fluctuations in sea level. <b>2017</b> , 7, 10409-10420	13
741	Geographic isolation facilitates the evolution of reproductive isolation and morphological divergence. <b>2017</b> , 7, 10278-10288	8
740	Optimisation of the conservation of rare and vulnerable plant species in the perspective of climate change in Lithuanian (nature) reserves. <b>2017</b> , 43, 61-73	1
739	Landscape Population Genomics of Forsythia () Reveal That Ecological Habitats Determine the Adaptive Evolution of Species. <b>2017</b> , 8, 481	13
738	Elevation Shift in Mill. (Pinaceae) of Subtropical and Temperate China and Vietnam-Corroborative Evidence from Cytoplasmic DNA and Ecological Niche Modeling. <b>2017</b> , 8, 578	13
737	Inferring Genetic Variation and Demographic History of Franch. (Magnoliaceae) from Chloroplast DNA Sequences and Microsatellite Markers. <b>2017</b> , 8, 583	9
736	Mixing It Up: The Role of Hybridization in Forest Management and Conservation under Climate Change. <b>2017</b> , 8, 237	22
735	Predicting Future Seed Sourcing of Platycladus orientalis (L.) for Future Climates Using Climate Niche Models. <b>2017</b> , 8, 471	10
734	Effects of Climate Change on the Climatic Niches of Warm-Adapted Evergreen Plants: Expansion or Contraction?. <b>2017</b> , 8, 500	8
733	Reproductive Contributions of Cardinals Are Consistent with a Hypothesis of Relaxed Selection in Urban Landscapes. <b>2017</b> , 5,	3
732	A Climate-Oriented Approach to Support Decision-Making for Seed Provenance in Ecological Restoration. <b>2017</b> , 5,	9
731	Microrefugia, Climate Change, and Conservation of Cedrus atlantica in the Rif Mountains, Morocco. <b>2017</b> , 5,	35
730	A framework for modeling adaptive forest management and decision making under climate change. <b>2017</b> , 22,	50
729	The Brazilian freshwater wetscape: Changes in tree community diversity and composition on climatic and geographic gradients. <b>2017</b> , 12, e0175003	19
728	Nitrogen-Related Constraints of Carbon Uptake by Large-Scale Forest Expansion: Simulation Study for Climate Change and Management Scenarios. <b>2017</b> , 5, 1102-1118	3
727	Landscape genomics reveal that ecological character determines adaptation: a case study in smoke tree (Cotinus coggygria Scop.). <b>2017</b> , 17, 202	6
726	Adaptive responses to salinity stress across multiple life stages in anuran amphibians. <b>2017</b> , 14, 40	38

725	Managed Migration of Coast Redwoods: Subjectivity of Stakeholders in Oregon⊠ Land Use Planning Community. <b>2017</b> , 7, 1	1
724	Floristic-functional variation of tree component along an altitudinal gradient in araucaria forest areas, in Southern Brazil. <b>2017</b> , 89, 2219-2228	4
723	Demographic compensation does not rescue populations at a trailing range edge. <b>2018</b> , 115, 2413-2418	52
722	Contemporary Ecological Interactions Improve Models of Past Trait Evolution. <b>2018</b> , 67, 861-872	2
721	Warmer winters reduce the advance of tree spring phenology induced by warmer springs in the Alps. <b>2018</b> , 252, 220-230	55
720	Planning for the future: identifying conservation priority areas for Iberian birds under climate change. <b>2018</b> , 33, 659-673	21
719	Demographic consequences of invasion by a native, controphic competitor to an insular bird population. <b>2018</b> , 187, 155-165	3
718	Low acclimation capacity of narrow-ranging thermal specialists exposes susceptibility to global climate change. <b>2018</b> , 8, 4644-4656	29
717	Effect of climatic variation on the morphological characteristics of 37-year-old balsam fir provenances planted in a common garden in New Brunswick, Canada. <b>2018</b> , 8, 3208-3218	10
716	Climate change impacts on boreal forest timber supply. <b>2018</b> , 92, 11-21	36
715	Polymorphic nuclear markers for coastal plant species with dynamic geographic distributions, the rock samphire (Crithmum maritimum) and the vulnerable dune pansy (Viola tricolor subsp. curtisii). <b>2018</b> , 45, 203-209	2
714	Higher spring temperatures increase food scarcity and limit the current and future distributions of crossbills. <b>2018</b> , 24, 473-484	11
713	Resolving relationships and phylogeographic history of the Nyssa sylvatica complex using data from RAD-seq and species distribution modeling. <b>2018</b> , 126, 1-16	18
712	Diversity among peripheral populations: genetic and evolutionary differentiation of Salamandra atra at the southern edge of the Alps. <b>2018</b> , 56, 533-548	4
711	Canadian butterfly climate debt is significant and correlated with range size. 2018, 41, 2005-2015	11
710	Recent growth trends of black pine ( Pinus nigra J.F. Arnold) in the eastern mediterranean. <b>2018</b> , 412, 21-28	10
709	Geographic range velocity and its association with phylogeny and life history traits in North American woody plants. <b>2018</b> , 8, 2632-2644	6
708	Toyotamaphimeia cf. machikanensis (Crocodylia, Tomistominae) from the Middle Pleistocene of Osaka, Japan, and crocodylian survivorship through the Pliocene-Pleistocene climatic oscillations. <b>2018</b> , 496, 346-360	7

707	Invasion process and potential spread of Amaranthus retroflexus in China. 2018, 58, 57-67	5
706	Spatial and temporal assessments of genetic structure in an endangered Garry oak ecosystem on Vancouver Island. <b>2018</b> , 96, 257-265	1
705	Past climatic fluctuations are associated with morphological differentiation in the cloud forest endemic tree Ocotea psychotrioides (Lauraceae). <b>2018</b> , 304, 607-617	2
704	Australia's continental-scale acoustic tracking database and its automated quality control process. <b>2018</b> , 5, 170206	36
703	Adaptations of white spruce to climate: strong intraspecific differences in cold hardiness linked to survival. <b>2018</b> , 8, 1758-1768	15
702	Life-history responses to changing temperature and salinity of the Baltic Sea copepod. <b>2018</b> , 165, 30	11
701	Lack of local adaptation to the establishment conditions limits assisted migration to adapt drought-prone Pinus nigra populations to climate change. <b>2018</b> , 409, 719-728	13
700	Future distributions of warm-adapted evergreen trees, Neolitsea sericea and Camellia japonica under climate change: ensemble forecasts and predictive uncertainty. <b>2018</b> , 33, 313-325	7
699	Temperature variations in the southern Great Lakes during the last deglaciation: Comparison between pollen and GDGT proxies. <b>2018</b> , 182, 78-92	23
698	The interaction of drought and habitat explain space-time patterns of establishment in saguaro (Carnegiea gigantea). <b>2018</b> , 99, 621-631	14
697	Different patterns of colonization of in the Sky Islands of the Sonoran desert via pollen and seed flow. <b>2018</b> , 8, 5661-5673	2
696	Leaf-level trade-offs between drought avoidance and desiccation recovery drive elevation stratification in arid oaks. <b>2018</b> , 9, e02149	14
695	Detecting the "invisible fraction" bias in resurrection experiments. <b>2018</b> , 11, 88-95	22
694	Herbaceous phytoliths from forest and grassland in Northeast China: Potential significance for determining past forestgrassland boundaries. <b>2018</b> , 243, 19-31	4
693	The road to evolutionary success: insights from the demographic history of an Amazonian palm. <b>2018</b> , 121, 183-195	18
692	Shifts in tree functional composition amplify the response of forest biomass to climate. <b>2018</b> , 556, 99-102	73
691	Citizen Science and Climate Change: Mapping the Range Expansions of Native and Exotic Plants with the Mobile App Leafsnap. <b>2018</b> , 68, 348-358	16
690	Silver-fir (Abies alba MILL.) neighbors improve water relations of European beech (Fagus sylvatica L.), but do not affect N nutrition. <b>2018</b> , 32, 337-348	17

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689	Distribution of unionid freshwater mussels and host fishes in Texas. A study of broad-scale spatial patterns across basins and a strong climate gradient. <b>2018</b> , 810, 315-331	6
688	Managing consequences of climate-driven species redistribution requires integration of ecology, conservation and social science. <b>2018</b> , 93, 284-305	91
687	Genetic diversity of endangered orchid Phaius australis across a fragmented Australian landscape. <b>2018</b> , 19, 451-465	6
686	Climate drivers and animal host use determine kelp performance over decadal scales in the kelp Pleurophycus gardneri (Laminariales, Phaeophyceae). <b>2018</b> , 54, 1-11	7
685	Vegetation cover of Brazil in the last 21 ka: New insights into the Amazonian refugia and Pleistocenic arc hypotheses. <b>2018</b> , 27, 47-56	35
684	Environmental Adaptations, Ecological Filtering, and Dispersal Central to Insect Invasions. <b>2018</b> , 63, 345-368	66
683	How does climate change affect regeneration of Mediterranean high-mountain plants? An integration and synthesis of current knowledge. <b>2018</b> , 20 Suppl 1, 50-62	21
682	Limited stand expansion by a long-lived conifer at a leading northern range edge, despite available habitat. <b>2018</b> , 106, 911-924	7
681	Impacts of future climate and land cover changes on threatened mammals in the semi-arid Chinese Altai Mountains. <b>2018</b> , 612, 775-787	39
680	How disturbance, competition, and dispersal interact to prevent tree range boundaries from keeping pace with climate change. <b>2018</b> , 24, e335-e351	59
679	Predicting climate change impacts on the distribution of the threatened Garcinia indica in the Western Ghats, India. <b>2018</b> , 19, 94-105	47
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674	Deep Intraspecific Divergence in the Endemic Herb (Mazaceae) Distributed Over the Qinghai-Tibetan Plateau. <b>2018</b> , 9, 492	4
673	Populations of the Beet Cyst Nematode Exhibit Strong Differences in Their Life-History Traits Across Changing Thermal Conditions. <b>2018</b> , 9, 2801	3
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671	The Potential Distribution of Tree Species in Three Periods of Time under a Climate Change Scenario. <b>2018</b> , 9, 628	15
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668	Northern forest tree populations are physiologically maladapted to drought. <b>2018</b> , 9, 5254	48
667	Evolutionary insights from comparative transcriptome and transcriptome-wide coalescence analyses in Tetrastigma hemsleyanum. <b>2018</b> , 18, 208	5
666	Mutation load dynamics during environmentally-driven range shifts. <b>2018</b> , 14, e1007450	19
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663	Characterizing genetic integrity of rear-edge trout populations in the southern Appalachians. <b>2018</b> , 19, 1487-1503	7
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645	Interacting grassland species under threat of multiple global change drivers. 2018, 45, 2133-2145	6
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643	Roles of climate niche conservatism and range dynamics in woody plant diversity patterns through the Cenozoic. <b>2018</b> , 27, 865-874	12
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639	Low genetic diversity contrasts with high phenotypic variability in heptaploid populations invading the Pacific coast of North America. <b>2018</b> , 8, 4992-5007	25
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635	Resistance of a terrestrial plant community to local microhabitat changes. <b>2018</b> , 8, 5101-5110	1
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632	Phenotypic selection on growth rhythm in whitebark pine under climatic conditions warmer than seed origins. <b>2018</b> , 31, 1284-1299	3
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630	Differentiated roles of mean climate and climate stability on post-glacial birch distributions in northern China. <b>2019</b> , 29, 1758-1766	1
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625	Reproductive and genetic consequences of extreme isolation in Salix herbacea L. at the rear edge of its distribution. <b>2019</b> , 124, 849-860	1
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622	Accumulation over evolutionary time as a major cause of biodiversity hotspots in conifers. <b>2019</b> , 286, 20191887	10
621	Population genetic structures of two ecologically distinct species and inferred based on nuclear and chloroplast DNA markers. <b>2019</b> , 9, 11406-11419	1
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618	Using historical and palaeoecological data to inform ambitious species recovery targets. <b>2019</b> , 374, 20190297	17

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612	Gene Flow and Genetic Variation Explain Signatures of Selection across a Climate Gradient in Two Riparian Species. <b>2019</b> , 10,	7
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601	Plant-soil feedbacks of forest understorey plants transplanted in nonlocal soils along a latitudinal gradient. <b>2019</b> , 21, 677-687	5

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598	Late Pleistocene speciation of three closely related tree peonies endemic to the Qinling-Daba Mountains, a major glacial refugium in Central China. <b>2019</b> , 9, 7528-7548	10
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593	Genetic relationships and diversity patterns within the invasive range of the Mediterranean Painted Frog. <b>2019</b> , 309, 125-132	1
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589	What can Palaeoclimate Modelling do for you?. <b>2019</b> , 3, 1-18	23
588	Evolutionary consequences of climate change. <b>2019</b> , 29-59	О
587	Plant reproductive fitness and phenology responses to climate warming: Results from native populations, communities, and ecosystems. <b>2019</b> , 61-102	1
586	Visualizing Current and Future Climate Boundaries of the Conterminous United States: Implications for Forests. <b>2019</b> , 10, 280	6
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584	Index. <b>2019</b> , 471-480	
583	Reconsidering biodiversity hotspots based on the rate of historical land-use change. <b>2019</b> , 233, 268-275	10
582	Contrasting colonization patterns of black mangrove (Avicennia germinans (L.) L.) gene pools along the Mexican coasts. <b>2019</b> , 46, 884-898	11

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581	Compounding human stressors cause major regeneration debt in over half of eastern US forests. <b>2019</b> , 56, 1355-1366	15
580	How to survive a glaciation: the challenge of estimating biologically realistic potential distributions under freezing conditions. <b>2019</b> , 42, 1237-1245	5
579	Drift happens: Molecular genetic diversity and differentiation among populations of jewelweed (Impatiens capensis Meerb.) reflect fragmentation of floodplain forests. <b>2019</b> , 28, 2459-2475	18
578	Genetic diversity in frogs linked to past and future climate changes on the roof of the world. <b>2019</b> , 88, 953-963	7
577	The tough, the wet and the hidden: Evolutionary strategies of a polyploid tropical tree in a changing environment. <b>2019</b> , 38, 1-12	1
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575	Preface. <b>2019</b> , xv-xvi	
574	Restoration of Threatened Species. <b>2019</b> , 59-146	
573	Restoration of Threatened Species Habitat. <b>2019</b> , 147-200	
572	Conservation-Oriented Restoration of Particular Systems. <b>2019</b> , 269-305	
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571	From Theory to Practice. <b>2019</b> , 306-354  Assessing effects of genetic, environmental, and biotic gradients in species distribution modelling.	5
571 570	From Theory to Practice. <b>2019</b> , 306-354  Assessing effects of genetic, environmental, and biotic gradients in species distribution modelling. <b>2019</b> , 76, 1762-1775  Phylogeographic diversification and postglacial range dynamics shed light on the conservation of	
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559	Fundamentals of Ecology and Biogeography. <b>2019</b> , 12-47	0
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555	Environmental Reconstruction Based on Taxonomic Abundances. <b>2019</b> , 123-154	
554	Taxon-Free Techniques. <b>2019</b> , 155-196	
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526	Has past climate change affected cold-specialized species differentially through space and time?. <b>2019</b> , 44, 571-587	3
525	Modeling regional drought-stress indices for beech forests in Mediterranean mountains based on tree-ring data. <b>2019</b> , 265, 110-120	19
524	Why polyploid exceptionalism is not accompanied by reduced extinction rates. <b>2019</b> , 305, 1-11	11
523	Geographical variation in cone traits of Pinus nigra as result of crossbill predation: implications for assisted migration. <b>2019</b> , 92, 188-195	
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520	Evolutionary potential varies across populations and traits in the neotropical oak Quercus oleoides. <b>2019</b> , 39, 427-439	9
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508	Integration of multiple climate models to predict range shifts and identify management priorities of the endangered Taxus wallichiana in the HimalayaHengduan Mountain region. <b>2020</b> , 31, 2255-2272	2
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505	Range margin populations show high climate adaptation lags in European trees. <b>2020</b> , 26, 484-495	24
504	Eelgrass Genetic Diversity Influences Resilience to Stresses Associated with Eutrophication. <b>2020</b> , 43, 1425-1438	3
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470	Investigating the role of environment in pika (Ochotona) body size patterns across taxonomic levels, space, and time. <b>2020</b> , 101, 804-816	4
469	Soil moisture gradients and climate change: predicting growth of a critical boreal tree species. <b>2020</b> , 50, 1074-1080	1
468	Multiple dimensions of climate change on the distribution of Amazon primates. <b>2020</b> , 18, 83-90	10
467	Harnessing paleo-environmental modeling and genetic data to predict intraspecific genetic structure. <b>2020</b> , 13, 1526-1542	4
466	Climate Change Synchronizes Growth and iWUE Across Species in a Temperate-Submediterranean Mixed Oak Forest. <b>2020</b> , 11, 706	3
465	Biotic filtering of northern temperate tree seedling emergence in beyond-range field experiments. <b>2020</b> , 11, e03108	2
464	Distribution and conservation of species is misestimated if biotic interactions are ignored: the case of the orchid Laelia speciosa. <b>2020</b> , 10, 9542	10
463	Altitudinal, latitudinal and longitudinal responses of cloud forest species to Quaternary glaciations in the northern Neotropics. <b>2020</b> , 130, 615-625	4
462	Combining US and Canadian forest inventories to assess habitat suitability and migration potential of 25 tree species under climate change. <b>2020</b> , 26, 1142-1159	19
461	A resurrection study reveals limited evolution of thermal performance in response to recent climate change across the geographic range of the scarlet monkeyflower. <b>2020</b> , 74, 1699-1710	10
460	Population connectivity and genetic structure of Asian green mussel, Perna viridis along Indian waters assessed using mitochondrial markers. <b>2020</b> , 47, 5061-5072	1
459	Candidate gene SNP variation in floodplain populations of pedunculate oak (Quercus robur L.) near the species' southern range margin: Weak differentiation yet distinct associations with water availability. <b>2020</b> , 29, 2359-2378	7
458	Neogene and Quaternary climate changes shaped the lineage differentiation and demographic history of Fokienia hodginsii (Cupressaceae s.l.), a Tertiary relict in East Asia. <b>2020</b> , 59, 1081	2
457	Intraspecific variation in seedling drought tolerance and associated traits in a critically endangered, endemic Hawaiian shrub. <b>2020</b> , 13, 159-174	3
456	Predicting distributional shifts of commercially important seaweed species in the Subantarctic tip of South America under future environmental changes. <b>2020</b> , 32, 2105-2114	O

455	Small spaces, big impacts: contributions of micro-environmental variation to population persistence under climate change. <b>2020</b> , 12, plaa005	10
454	Joint influence of genetic origin and climate on the growth of Masson pine (Pinus massoniana Lamb.) in China. <b>2020</b> , 10, 4653	3
453	Microgeographic adaptation and the effect of pollen flow on the adaptive potential of a temperate tree species. <b>2020</b> , 227, 641-653	14
452	Acclimatization in the physiological performance of an introduced ectotherm. <b>2020</b> , 223,	2
451	Which oak provenances for the 22nd century in Western Europe? Dendroclimatology in common gardens. <b>2020</b> , 15, e0234583	5
450	Reconstructing historical shifts in suitable habitat of Sceloporus lineages using phylogenetic niche modelling. <b>2020</b> , 47, 2117-2128	4
449	A facile approach to patterning pollen microparticles for in situ imaging. <b>2020</b> , 20, 100702	2
448	Spatial predictors of genomic and phenotypic variation differ in a lowland Middle American bird (Icterus gularis). <b>2020</b> , 29, 3085-3102	2
447	Contrasting patterns of local adaptation along climatic gradients between a sympatric parasitic and autotrophic tree species. <b>2020</b> , 29, 3022-3037	7
446	Selection and plasticity both account for interannual variation in life-history phenology in an annual prairie legume. <b>2020</b> , 10, 940-951	1
445	Classifying Hawaiian plant species along a habitat generalist-specialist continuum: Implications for species conservation under climate change. <b>2020</b> , 15, e0228573	8
444	Climate connectivity of the bobcat in the Great Lakes region. <b>2020</b> , 10, 2131-2144	3
443	Dendroclimatological analysis and tree-ring growth prediction of Quercus mongolica. <b>2020</b> , 16, 32-40	4
442	Assessment of resistance to xylem cavitation in cordilleran cypress using near-infrared spectroscopy. <b>2020</b> , 462, 117943	1
441	Long-term monitoring reveals forest tree community change driven by atmospheric sulphate pollution and contemporary climate change. <b>2020</b> , 26, 270-283	3
440	Population genetic structure and predominance of cyclical parthenogenesis in the bird cherry-oat aphid in England. <b>2020</b> , 13, 1009-1025	7
439	Environmental Drivers and Distribution Patterns of Carnivoran Assemblages (Mammalia: Carnivora) in the Americas: Past to Present. <b>2020</b> , 27, 759-774	3
438	The potential of groundwater as a geochemical archive of past environments. <b>2020</b> , 539, 119505	2

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437	Rapid and varied responses of songbirds to climate change in California coniferous forests. <b>2020</b> , 241, 108347	15
436	Larval dispersal in a changing ocean with an emphasis on upwelling regions. 2020, 11, e03015	10
435	Spatiotemporal Differentiation of Alpine Butterfly (Papilionidae: Parnassiinae) in China: Evidence from Mitochondrial DNA and Nuclear Single Nucleotide Polymorphisms. <b>2020</b> , 11,	3
434	Spatial detection of alpine treeline ecotones in the Western United States. <b>2020</b> , 240, 111672	6
433	Sky islands as foci for divergence of fig trees and their pollinators in southwest China. <b>2020</b> , 29, 762-782	5
432	Quaternary ice sheets and sea level regression drove divergence in a marine gastropod along Eastern and Western coasts of South America. <b>2020</b> , 10, 844	7
431	Intraspecific functional differences of subalpine plant species growing in low-altitude microrefugia and high-altitude habitats. <b>2020</b> , 221, 155-166	
430	Plant community diversity will decline more than increase under climatic warming. <b>2020</b> , 375, 20190106	24
429	The development of Anthropocene biotas. <b>2020</b> , 375, 20190113	11
428	Local extinction risk under climate change in a neotropical asymmetrically dispersed epiphyte. <b>2020</b> , 108, 1553-1564	7
427	Editorial: Arthropod Interactions and Responses to Disturbance in a Changing World. 2020, 8,	6
426	A New Perspective on Ecological Prediction Reveals Limits to Climate Adaptation in a Temperate Tree Species. <b>2020</b> , 30, 1447-1453.e4	6
425	Genetic differentiation in Sichuan jay (Perisoreus internigrans) and its sibling species Siberian jay (P. infaustus). <b>2020</b> , 21, 319-327	
424	Canadian polar bear population structure using genome-wide markers. <b>2020</b> , 10, 3706-3714	4
423	Insights into phylogeny, age and evolution of Allium (Amaryllidaceae) based on the whole plastome sequences. <b>2020</b> , 125, 1039-1055	18
422	Is subarctic forest advance able to keep pace with climate change?. <b>2020</b> , 26, 3965-3977	28
421	Gene flow effects on populations inhabiting marginal areas: Origin matters. 2021, 109, 139-153	6
420	Molecular and paleo-climatic data uncover the impact of an ancient bottleneck on the demographic history and contemporary genetic structure of endangered Pinus uliginosa. <b>2021</b> , 59, 596-610	2

419	The potential impact of climate change on non-target risks from imported generalist natural enemies and on biological control. <b>2021</b> , 66, 37-44	1
418	Assisted species migration and hybridization to conserve cold-adapted plants under climate change. <b>2021</b> , 35, 559-566	5
417	Harnessing landscape genomics to identify future climate resilient genotypes in a desert annual. <b>2021</b> , 30, 698-717	4
416	The evolution of biogeochemistry: revisited. <b>2021</b> , 154, 141-181	4
415	Quantifying thermal exposure for migratory riverine species: Phenology of Chinook salmon populations predicts thermal stress. <b>2021</b> , 27, 536-549	8
414	Review: Plant eco-evolutionary responses to climate change: Emerging directions. <b>2021</b> , 304, 110737	11
413	Adaptive pattern of phenotypic plasticity and inherent growth reveal the potential for assisted transfer in sessile oak (Quercus petraea L.). <b>2021</b> , 482, 118832	3
412	Genetic consequences of long-term small effective population size in the critically endangered pygmy hog. <b>2021</b> , 14, 710-720	7
411	A unifying framework for studying and managing climate-driven rates of ecological change. <b>2021</b> , 5, 17-26	22
410	Using spatial models to identify refugia and guide restoration in response to an invasive plant pathogen. <b>2021</b> , 58, 192-201	4
409	Can long-lived species keep pace with climate change? Evidence of local persistence potential in a widespread conifer. <b>2021</b> , 27, 296-312	6
408	Selection patterns on early-life phenotypic traits in Pinus sylvestris are associated with precipitation and temperature along a climatic gradient in Europe. <b>2021</b> , 229, 3009-3025	4
407	Seasick: Why Value Ecosystems Severely Threatened by Sea-Level Rise?. <b>2020</b> , 44, 1-12	2
406	An ecological approach to climate change-informed tree species selection for reforestation. <b>2021</b> , 481, 118705	7
405	Consequences of ignoring dispersal variation in network models for landscape connectivity. <b>2021</b> , 35, 944-954	2
404	Genomic mechanisms of climate adaptation in polyploid bioenergy switchgrass. <b>2021</b> , 590, 438-444	42
403	Maladaptation, migration and extirpation fuel climate change risk in a forest tree species. <b>2021</b> , 11, 166-171	23
402	Oilbirds disperse large seeds at longer distance than extinct megafauna. <b>2021</b> , 11, 420	5

401	Population genetic analysis of two Polylepis microphylla (Wedd.) Bitter (Rosaceae) forests in Ecuador. <b>2021</b> , 7, 184-197	1
400	Changement climatique et biosphile. <b>2020</b> , 352, 339-354	
399	Refugia within refugium of Geranium yesoense (Geraniaceae) in Japan were driven by recolonization into the southern interglacial refugium. <b>2021</b> , 132, 552-572	1
398	Climate adaptation actions for urban forests and human health.	O
397	Climatic Refugia and Geographical Isolation Contribute to the Speciation and Genetic Divergence in Himalayan-Hengduan Tree Peonies (and). <b>2020</b> , 11, 595334	2
396	High genomic diversity maintained by populations of Carex scirpoidea subsp. convoluta, a paraphyletic Great Lakes ecotype. <b>2021</b> , 22, 169-185	2
395	Ecological niche modelling and phylogeography reveal range shifts of pawpaw, a North American understorey tree. <b>2021</b> , 48, 974-989	3
394	Potential impacts of climate change on geographical distribution of three primary vectors of African Trypanosomiasis in Tanzania's Maasai Steppe: G. m. morsitans, G. pallidipes and G. swynnertoni. <b>2021</b> , 15, e0009081	3
393	Forest Disturbance Types and Current Analogs for Historical Disturbance-Independent Forests. <b>2021</b> , 10, 136	2
392	Space-for-time inferences about range-edge dynamics of tree species can be influenced by sampling biases. <b>2021</b> , 27, 2102-2112	2
391	Grizzled Skippers stuck in the south: Population-level responses of an early-successional specialist butterfly to climate across its UK range over 40 years. <b>2021</b> , 27, 962-972	
390	Emergence of Cross-Scale Structural and Functional Processes in Ecosystem Science. <b>2021</b> , 140-201	
389	Genetic variation among and within Quercus suber L. populations in survival, growth, vigor and plant architecture traits. <b>2021</b> , 483, 118715	2
388	Prey availability modulates predicted range contraction of two large felids in response to changing climate. <b>2021</b> , 255, 109018	8
387	Seven decades of southern range dynamics of Canada lynx. <b>2021</b> , 11, 4644-4655	0
386	Tropicalization of temperate ecosystems in North America: The northward range expansion of tropical organisms in response to warming winter temperatures. <b>2021</b> , 27, 3009-3034	30
385	Genetic diversity and population structure in Vitis species illustrate phylogeographic patterns in eastern North America. <b>2021</b> , 30, 2333-2348	1
384	The four antelope species on the Qinghai-Tibet plateau face habitat loss and redistribution to higher latitudes under climate change. <b>2021</b> , 123, 107337	2

383	Climate Change May Cause Shifts in Growth and Instantaneous Natural Mortality of American Shad Throughout Their Native Range. <b>2021</b> , 150, 407-421	1
382	Expansion of elevational range in a forest pest: Can parasitoids track their hosts?. <b>2021</b> , 12, e03476	3
381	Impact of the Miocene orogenesis on Kaloula spp. radiation and implication of local refugia on genetic diversification. <b>2021</b> ,	2
380	Wood Anatomical Traits Reveal Different Structure of Peat Bog and Lowland Populations of Pinus sylvestris L. in the Carpathian Region. <b>2021</b> , 12, 494	O
379	Evidence of Constrained Divergence and Conservatism in Climatic Niches of the Temperate Maples (Acer L.). <b>2021</b> , 12, 535	5
378	The Effect of the Recombination Rate between Adaptive Loci on the Capacity of a Population to Expand Its Range. <b>2021</b> , 197, 526-542	4
377	Growth, Chemistry, and Genetic Profiles of Whitebark Pine Forests Affected by Climate-Driven Mountain Pine Beetle Outbreaks. <b>2021</b> , 4,	O
376	Inbreeding reduces fitness of seed beetles under thermal stress.	O
375	Modeling riparian species occurrence from historical surveys to guide restoration planning in northwestern USA. <b>2021</b> , 12, e03525	O
374	Let it snow? Spring snowpack and microsite characterize the regeneration niche of high-elevation pines. <b>2021</b> , 48, 2068-2084	O
373	A dynamic history of admixture from Mediterranean and Carpathian glacial refugia drives genomic diversity in the bank vole. <b>2021</b> , 11, 8215-8225	2
372	Contemporary climate influence on variability patterns of Anadenanthera colubrina var. cebil, a key species in seasonally dry tropical forests. 1	O
371	Survival of United Populations in Unstable Environments. <b>2021</b> , 11, 213-225	
370	Shift of Bird Nesting Time in Central Siberia due to Climate Warming: Phenotypic Plasticity or Genetic Shift?. <b>2021</b> , 11, 303-316	
369	Spatiotemporal seed transfer zones as an efficient restoration strategy in response to climate change. <b>2021</b> , 12, e03462	0
368	What do you mean by flichell Modern ecological theories are not coherent on rhetoric about the niche concept. <b>2021</b> , 110, 103701	7
367	Genomic drivers of early-life fitness in Picea rubens. <b>2021</b> , 22, 963	1
366	Cities as hot stepping stones for tree migration. <b>2021</b> , 1,	1

365	Lagged recovery of fish spatial distributions following a cold-water perturbation. 2021, 11, 9513	2
364	Combining QTL Mapping and Transcriptomics to Decipher the Genetic Architecture of Phenolic Compounds Metabolism in the Conifer White Spruce. <b>2021</b> , 12, 675108	1
363	Phylogenomic and ecological analyses reveal the spatiotemporal evolution of global pines. <b>2021</b> , 118,	18
362	Allele Surfing and Holocene Expansion of an Australian Fig (Ficus Moraceae). 2021, 13, 250	
361	When Density Matters: The Spatial Balance between Early and Latewood. <b>2021</b> , 12, 818	1
360	The cost of risk management and multifunctionality in forestry: a simulation approach for a case study area in Southeast Germany. <b>2021</b> , 140, 1127-1146	4
359	Clinal genetic variation and phenotypic plasticity in leaf phenology, growth and stem form in common ash (Fraxinus excelsior L.).	O
358	Does Phenological Plasticity Help or Hinder Range Shifts Under Climate Change?. 9,	3
357	Genetic and functional leaf trait diversity throughout the distribution of two Cerrado tree species: Testing the centre-periphery hypothesis. <b>2021</b> , 48, 2258-2274	1
356	The influence of climate and palaeoclimate on distributions of global conifer clades depends on geographical range size. <b>2021</b> , 48, 2286-2297	2
355	Phylogenetic Endemism Hotspots of North American Birds Are Associated With Warm Temperatures and Long- and Short-Term Climate Stability. <b>2021</b> , 9,	1
354	Community-level assisted migration for climate-appropriate prairie restoration. <b>2021</b> , 29, e13416	O
353	Shennongjia-Wushan Mountains-One cryptic glacial refugium introduced by the phylogeographical study of the Geometridae moth Wehrli. <b>2021</b> , 11, 10066-10076	O
352	Bud break in sugar maple submitted to changing conditions simulating a northward migration. <b>2021</b> , 51, 842-847	O
351	Considerations regarding species distribution models for forest insects. <b>2021</b> , 23, 393	1
350	Terrestrial biomes: a conceptual review. 2, 73-85	1
349	Update on Distribution and Conservation Status of Amphibians in the Democratic People's Republic of Korea: Conclusions Based on Field Surveys, Environmental Modelling, Molecular Analyses and Call Properties. <b>2021</b> , 11,	4
348	Effects of egg mass and local climate on morphology of East Pacific leatherback turtle Dermochelys coriacea hatchlings in Costa Rica. <b>2021</b> , 669, 191-200	

347	Niche overlap and divergence times support niche conservatism in eastern AsiaBastern North America disjunct plants. <b>2021</b> , 30, 1990-2003	3
346	A tale of two conifers: Migration across a dispersal barrier outpaced regional expansion from refugia. <b>2021</b> , 48, 2133-2143	1
345	Expansion of Agriculture in Northern Cold-Climate Regions: A Cross-Sectoral Perspective on Opportunities and Challenges. <b>2021</b> , 5,	7
344	The role of anthropogenic dispersal in shaping the distribution and genetic composition of a widespread North American tree species. <b>2021</b> , 11, 11515-11532	1
343	Inbreeding reduces fitness of seed beetles under thermal stress. <b>2021</b> , 34, 1386-1396	1
342	Floristic change in Brazil's southern Atlantic Forest biodiversity hotspot: From the Last Glacial Maximum to the late 21st Century. <b>2021</b> , 264, 107005	4
341	One million years of diversity shifts in amphibians and reptiles in a Mediterranean landscape: resilience rules the Quaternary. <b>2021</b> , 64, 673-686	3
340	Climatic-niche evolution with key morphological innovations across clades within (Anura: Megophryidae). <b>2021</b> , 11, 10353-10368	1
339	Modelado actual y futuro de la idoneidad de hBitat el ahuehuete (Taxodium mucronatum Ten.): una propuesta para conservaciB en M⊠ico. <b>2021</b> , 99, 752-770	2
338	Population Demographic History of a Rare and Endangered Tree Magnolia sprengeri Pamp. in East Asia Revealed by Molecular Data and Ecological Niche Analysis. <b>2021</b> , 12, 931	1
337	How geographic and climatic factors affect the adaptation of Douglas-fir provenances to the temperate continental climate zone in Europe. 1	1
336	Cytotype distribution and chloroplast phylogeography of the Actinidia chinensis complex. <b>2021</b> , 21, 325	2
335	Evaluation of environmental factors affecting the genetic diversity, genetic structure, and the potential distribution of Georgi under changing climate. <b>2021</b> , 11, 12294-12306	
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333	Selection Experiments in the Sea: What Can Experimental Evolution Tell Us About How Marine Life Will Respond to Climate Change?. <b>2021</b> , 241, 30-42	3
332	Genome-Wide Evidence for Complex Hybridization and Demographic History in a Group of From China. <b>2021</b> , 12, 717200	1
331	Research and Innovation in the Private Forestry Sector: Past Successes and Future Opportunities.	
330	Evolutionary impacts of introgressive hybridization in a rapidly evolving group of jumping spiders (F. Salticidae, Habronattus americanus group). <b>2021</b> , 161, 107165	1

329	Responses of an endemic species (Roscoea humeana) in the Hengduan Mountains to climate change. <b>2021</b> , 27, 2231	О
328	Quantitative estimates of glacial refugia for chimpanzees (Pan troglodytes) since the Last Interglacial (120,000 BP). <b>2021</b> , 83, e23320	1
327	Rapid radiation of Southern Ocean shags in response to receding sea ice.	O
326	Determination of intraspecific variation in seed weight, leaf functional traits, and sapling size of Betula ermanii using a common garden experiment. 1-8	
325	Response to nitrogen and salinity in Rhizophora mangle propagules varies by maternal family and population of origin.	
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323	Commensal microbiota and host metabolic divergence are associated with the adaptation of Diploderma vela to spatially heterogeneous environments. <b>2021</b> ,	Ο
322	Population dynamics of Amazonian floodplain forest species support spatial variation on genetic diversity but not range expansions through time.	
321	Coupling between surface processes and crustal deformation: Insights from the late Cenozoic development of the Qaidam Basin, China. <b>2021</b> , 103646	1
320	Impact of climate change on biodiversity and food security: a global perspectivel review article. <b>2021</b> , 10,	10
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319 318 317	Revegetation in Japan overlooks geographical genetic structure of native Artemisia indica var. maximowiczii populations. e13567  Persistent yet vulnerable: resurvey of an Abies ecotone reveals few differences but vulnerability to climate change. 2021, 102, e03525	0 1 0
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307	Evolution as a Largely Autonomous Process. <b>2015</b> , 87-112	2
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305	Topographic complexity and terrestrial biotic response to high-latitude climate change: Variance is as important as the mean. <b>2007</b> , 105-121	16
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303	Ecological Challenges of Climate Change in Europe's Continental, Drought-Threatened Southeast. <b>2009</b> , 35-46	2
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301	Philosophical Issues in Ecology. <b>2013</b> , 343-371	2
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299	Comparative Genetic Diversity, Population Structure, and Adaptations of Walleye and Yellow Perch Across North America. <b>2015</b> , 643-689	11
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297	Paleozoology and Paleoenvironments: Fundamentals, Assumptions, Techniques. 2019,	13
296	Plant Conservation: The Role of Habitat Restoration. <b>2019</b> ,	4
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292	The rise and fall of isolation by distance in the anadromous brook charr (Salvelinus fontinalis Mitchill). <b>2003</b> , 163, 983-96	117
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290	An Experimental Test of Adaptive Introgression in Locally Adapted Populations of Splash Pool Copepods. <b>2021</b> , 38, 1306-1316	7
289	Racing against change: understanding dispersal and persistence to improve species' conservation prospects. <b>2020</b> , 287, 20202061	8
288	Integrating ecological genomics and eco-evo-devo reveals multiple adaptive peaks in ant populations of the Arizona Sky Islands.	1
287	Late Quaternary habitat suitability models for chimpanzees (Pan troglodytes) since the Last Interglacial (120,000 BP).	4
286	Climatic niche predicts the landscape structure of locally adaptive standing genetic variation.	7
285	Genetic structure at national and regional scale in a long-distance dispersing pest organism, the bird cherryBat aphidRhopalosiphum padi.	1
284	Ecophysiological traits of a clonal grass in its climate change response.	1
283	Combining population genetics, species distribution modelling and field assessments to understand a species vulnerability to climate change. <b>2014</b> , 39, 17-28	20
282	Role of population genetics in guiding ecological responses to climate. <b>2018</b> , 24, 858-868	25
281	Potential Changes in the Distribution of Seven Agricultural Indicator Plant Species in Response to Climate Change at Agroecosystem in South Korea <b>2018</b> , 51, 221-233	5
280	Topography and post-fire climatic conditions shape spatio-temporal patterns of conifer establishment and growth. <b>2019</b> , 15,	11
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