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Biodiversity redistribution under climate change: Impacts on ecosystems and human well-being

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1423	Towards more predictive and interdisciplinary climate change ecosystem experiments. <b>2019</b> , 9, 809-816	20
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1420	Managing cross-scale dynamics in marine conservation: Pest irruptions and lessons from culling of crown-of-thorns starfish (Acanthaster spp.). <b>2019</b> , 238, 108211	11
1419	Where the Wild Things were is Where Humans are Now: an Overview. <b>2019</b> , 47, 669-679	7
1418	Climate change increases potential plant species richness on Puerto Rican uplands. <b>2019</b> , 156, 15-30	2
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1416	A Decision Framework for Coastal Infrastructure to Optimize Biotic Resistance and Resilience in a Changing Climate. <b>2019</b> , 69, 833-843	12

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1414	Time to look forward to adapt to ocean warming. <b>2019</b> , 116, 18157-18158	1
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1412	A SD-MaxEnt-CA model for simulating the landscape dynamic of natural ecosystem by considering socio-economic and natural impacts. <b>2019</b> , 410, 108783	12
1411	Impact of growing up in a warmer, lower pH future on offspring performance: transgenerational plasticity in a pan-tropical sea urchin. <b>2019</b> , 38, 1085-1095	24
1410	A Conceptual Framework for Range-Expanding Species that Track Human-Induced Environmental Change. <b>2019</b> , 69, 908-919	53
1409	Aligning Urban Policy with Climate Action in the Global South: Are Brazilian Cities Considering Climate Emergency in Local Planning Practice?. <b>2019</b> , 12, 3418	18
1408	Climate-driven regime shifts in a mangrove-salt marsh ecotone over the past 250 years. <b>2019</b> , 116, 21602-216	6 <b>08</b> 6
1407	Arctic Sensitivity? Suitable Habitat for Benthic Taxa Is Surprisingly Robust to Climate Change. <b>2019</b> , 6,	15
1406	Interactions Between Biotic and Abiotic Factors Affect Survival in Overwintering Drosophila suzukii (Diptera: Drosophilidae). <b>2019</b> , 48, 454-464	23
1405	Climate-driven reduction of genetic variation in plant phenology alters soil communities and nutrient pools. <b>2019</b> , 25, 1514	14
1404	Citizen science in data and resource-limited areas: A tool to detect long-term ecosystem changes. <b>2019</b> , 14, e0210007	21
1403	Range shifts and local adaptation: integrating data and theory towards a new understanding of species' distributions in the Anthropocene. <b>2019</b> , 221, 644-647	7
1402	A macroecological approach to evolutionary rescue and adaptation to climate change. <b>2019</b> , 42, 1124-1141	19
1401	National contributions to global ecosystem values. <b>2019</b> , 33, 1219-1223	5
1400	Combining eight research areas to foster the uptake of ecosystem-based management in fresh waters. <b>2019</b> , 29, 1161-1173	15
1399	Ontogenetic deepening of Northeast Atlantic fish stocks is not driven by fishing exploitation. <b>2019</b> , 116, 2390-2392	7
1398	Changes in area and number of nature reserves in China. <b>2019</b> , 33, 1066-1075	45

1397	Rethinking the scale and formulation of indices assessing organism vulnerability to warmer habitats. <b>2019</b> , 42, 1024-1036	9
1396	Current and future ranges of an elusive North American insect using species distribution models. <b>2019</b> , 23, 175-186	5
1395	Compensatory mechanisms to climate change in the widely distributed species Silene vulgaris. <b>2019</b> , 107, 1918-1930	9
1394	The relationship between macroalgae taxa and human disturbance on central Pacific coral reefs. <b>2019</b> , 145, 161-173	9
1393	Fishing communities at risk. <b>2019</b> , 9, 501-502	1
1392	Scientists' warning to humanity: microorganisms and climate change. <b>2019</b> , 17, 569-586	516
1391	Integrating within-species variation in thermal physiology into climate change ecology. <b>2019</b> , 374, 20180550	54
1390	Towards more effective integration of tropical forest restoration and conservation. <b>2019</b> , 51, 463-472	19
1389	Thermal stress induces persistently altered coral reef fish assemblages. <b>2019</b> , 25, 2739-2750	44
1388	Physiological diversity, biodiversity patterns and global climate change: testing key hypotheses involving temperature and oxygen. <b>2019</b> , 374, 20190032	7
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1386	Genes on the edge: A framework to detect genetic diversity imperiled by climate change. <b>2019</b> , 25, 4034-4047	<b>'</b> 12
1385	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <b>2019</b> , 2, 569-579	61
1384	Assessing the vulnerability of Africa's freshwater fishes to climate change: A continent-wide trait-based analysis. <b>2019</b> , 236, 505-520	12
1383	Integrating Species-Specific Information in Models Improves Regional Projections Under Climate Change. <b>2019</b> , 46, 6554-6562	7
1382	Climatic shifts drove major contractions in avian latitudinal distributions throughout the Cenozoic. <b>2019</b> , 116, 12895-12900	28
1381	How Do Continuous High-Resolution Models of Patchy Seabed Habitats Enhance Classification Schemes?. <b>2019</b> , 9, 237	9
1380	The Evolution of Climate Changes in Portugal: Determination of Trend Series and Its Impact on Forest Development. <b>2019</b> , 7, 78	10

1379	Trait-mediated foraging drives patterns of selective predation by native and invasive coral-reef fishes. <b>2019</b> , 10, e02752	13
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1377	Comparing the impacts of climate change on the responses and linkages between terrestrial and aquatic ecosystems. <b>2019</b> , 682, 239-246	33
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1375	Assessing the impacts of climate change on biodiversity: is below 2 °C enough?. <b>2019</b> , 154, 351-365	56
1374	Integrating Proximal and Horizon Threats to Biodiversity for Conservation. <b>2019</b> , 34, 781-788	17
1373	Hybridization as a conservation management tool. <b>2019</b> , 12, e12652	44
1372	Temporal genomic contrasts reveal rapid evolutionary responses in an alpine mammal during recent climate change. <b>2019</b> , 15, e1008119	33
1371	Impacts of climate changes on spatio-temporal diversity patterns of Atlantic Forest primates. <b>2019</b> , 17, 50-56	3
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1369	The rapidly changing world of ocean finance. <b>2019</b> , 107, 103526	21
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1367	Predatory zooplankton on the move: Themisto amphipods in high-latitude marine pelagic food webs. <b>2019</b> , 82, 51-92	9
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1365	Climate Change, Bioclimatic Models and the Risk to Lichen Diversity. <b>2019</b> , 11, 54	27
1364	Using traits to assess threatened plant species response to climate change. <b>2019</b> , 28, 1905-1919	5
1363	Climate warming reduces the reproductive advantage of a globally invasive intertidal mussel. <b>2019</b> , 21, 2503-2516	8
1362	Unveiling cryptic ecological functions: prospects in plant invasions. <b>2019</b> , 60, 1-5	3

1361	Regional climate, primary productivity and fish biomass drive growth variation and population resilience in a small pelagic fish. <b>2019</b> , 103, 530-541	14
1360	Climate change impacts on marine ecosystems through the lens of the size spectrum. <b>2019</b> , 3, 233-243	18
1359	Integrating mechanistic and correlative niche models to unravel range-limiting processes in a temperate amphibian. <b>2019</b> , 25, 2633-2647	27
1358	Modelling past, present and future Ecosystem Services supply in a protected floodplain under land use and climate changes. <b>2019</b> , 403, 23-34	20
1357	Comparative transcriptomics-based selection of suitable reference genes for normalization of RT-qPCR experiments in drought-stressed leaves of three European Quercus species. <b>2019</b> , 15, 1	10
1356	Fisheries sustainability relies on biological understanding, evidence-based management, and conducive industry conditions. <b>2019</b> , 76, 1436-1452	O
1355	Projected 21st-century distribution of canopy-forming seaweeds in the Northwest Atlantic with climate change. <b>2019</b> , 25, 582-602	42
1354	Climate change and opposing spatial conservation priorities for anuran protection in the Brazilian hotspots. <b>2019</b> , 49, 118-124	5
1353	Perceptions of system-identity and regime shift for marine ecosystems. <b>2019</b> , 76, 1736-1747	3
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1345	Range-expansion effects on the belowground plant microbiome. <b>2019</b> , 3, 604-611	41
1344	Towards the implementation of sustainable biofuel production systems. <b>2019</b> , 107, 250-263	105

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1342	Woody vegetation dynamics in the tropical and subtropical Andes from 2001 to 2014: Satellite image interpretation and expert validation. <b>2019</b> , 25, 2112-2126	30
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1340	Ecological connectivity between the areas beyond national jurisdiction and coastal waters: Safeguarding interests of coastal communities in developing countries. <b>2019</b> , 104, 90-102	51
1339	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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1337	Restoring subtidal marine macrophytes in the Anthropocene: trajectories and future-proofing. <b>2019</b> , 70, 936	38
1336	Estimating oxygen uptake rates to understand stress in sharks and rays. <b>2019</b> , 29, 297-311	9
1335	Building an integrated infrastructure for exploring biodiversity: field collections and archives of mammals and parasites. <b>2019</b> , 100, 382-393	30
1334	Common Caribbean corals exhibit highly variable responses to future acidification and warming. <b>2019</b> , 286, 20182840	11
1333	Projecting biological impacts from climate change like a climate scientist. <b>2019</b> , 10, e585	9
1332	RETRACTED ARTICLE: Structured Decision-Making Identifies Effective Strategies and Potential Barriers for Ecosystem-Based Management of a Range-Extending Species in a Global Marine Hotspot. <b>2019</b> , 22, 1573-1591	2
1331	Eco-evolution on the edge during climate change. <b>2019</b> , 42, 1280	43
1330	Finding the essential: Improving conservation monitoring across scales. <b>2019</b> , 18, e00601	5
1329	Are amphibians tracking their climatic niches in response to climate warming? A test with Iberian amphibians. <b>2019</b> , 154, 289-301	16
1328	Climatic suitability and spatial distribution for summer maize cultivation in China at 1.5 and 2.0 °C global warming. <b>2019</b> , 64, 690-697	19
1327	A novel approach to assess distribution trends from fisheries survey data. <b>2019</b> , 214, 98-109	7
1326	A dark scenario for Cerrado plant species: Effects of future climate, land use and protected areas ineffectiveness. <b>2019</b> , 25, 660-673	47

1325	Dissecting cause from consequence: a systematic approach to thermal limits. <b>2019</b> , 222,	30
1324	Tropicalisation of temperate reefs: Implications for ecosystem functions and management actions. <b>2019</b> , 33, 1000-1013	73
1323	Broadly inflicted stressors can cause ecosystem thinning. <b>2019</b> , 12, 207-223	1
1322	Predicting range shifts of Asian elephants under global change. <b>2019</b> , 25, 822-838	28
1321	Impact of the last interglacial climate change on ecosystems and Neanderthals behavior at Baume Moula-Guercy, Ardthe, France. <b>2019</b> , 104, 114-124	18
1320	Bioclimatic and Soil Moisture Monitoring Across Elevation in a Mountain Watershed: Opportunities for Research and Resource Management. <b>2019</b> , 55, 2493-2503	18
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1318	Understanding interactions between plasticity, adaptation and range shifts in response to marine environmental change. <b>2019</b> , 374, 20180186	73
1317	The interactive effects of stratospheric ozone depletion, UV radiation, and climate change on aquatic ecosystems. <b>2019</b> , 18, 717-746	66
1316	Responses of seed size, ant worker size, and seed removal rate to elevation in Mediterranean grasslands. <b>2019</b> , 189, 781-793	6
1315	Density differences between water masses preclude laminar flow in two-current choice flumes. <b>2019</b> , 189, 875-881	4
1314	The potential of biotechnology for mitigation of greenhouse gasses effects: solutions, challenges, and future perspectives. <b>2019</b> , 12, 1	3
1313	State-of-the-art global models underestimate impacts from climate extremes. <b>2019</b> , 10, 1005	92
1312	Linkages between stratospheric ozone, UV radiation and climate change and their implications for terrestrial ecosystems. <b>2019</b> , 18, 681-716	77
1311	Strong fish assemblage patterns persist over sixteen years in a warming marine park, even with tropical shifts. <b>2019</b> , 232, 152-163	7
1310	Distribution of Palinuridae and Scyllaridae phyllosoma larvae within the East Australian Current: a climate change hot spot. <b>2019</b> , 70, 1020	2
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1308	Increased Suitability of Poleward Climate for a Tropical Butterfly (Euripus nyctelius) (Lepidoptera: Nymphalidae) Accompanies its Successful Range Expansion. <b>2019</b> , 19,	7

1307	Population Dynamics at the Range Margin: Implications of Climate Change on Sublittoral Blue Mussels (Mytilus trossulus). <b>2019</b> , 6,	13
1306	Redmap Australia: Challenges and Successes With a Large-Scale Citizen Science-Based Approach to Ecological Monitoring and Community Engagement on Climate Change. <b>2019</b> , 6,	23
1305	Increases in thermophilus plants in an arid alpine community in response to experimental warming. <b>2019</b> , 51, 201-214	4
1304	Global environmental changes negatively impact temperate seagrass ecosystems. <b>2019</b> , 10, e02986	6
1303	Shifts in trait-based and taxonomic macrofauna community structure along a 27-year time-series in the south-eastern North Sea. <b>2019</b> , 14, e0226410	7
1302	Looking beyond the horizon: An early warning system to keep marine mammal information relevant for conservation. <b>2019</b> , 29, 71-83	11
1301	Recent climate-driven ecological change across a continent as perceived through local ecological knowledge. <b>2019</b> , 14, e0224625	4
1300	Potential feedbacks between loss of biosphere integrity and climate change. <b>2019</b> , 2,	6
1299	Identifying climate-sensitive infectious diseases in animals and humans in Northern regions. <b>2019</b> , 61, 53	19
1298	Safe places: Increasing Finnish waterfowl resilience through human-made wetlands. <b>2019</b> , 21, 75-84	3
1297	Wing asymmetry of a butterfly community: is altitude a source of stress?. <b>2019</b> , 20, 252-257	5
1296	Operationalizing Ecological Resilience Concepts for Managing Species and Ecosystems at Risk. <b>2019</b> , 7,	30
1295	Transgressivity in Key Functional Traits Rather Than Phenotypic Plasticity Promotes Stress Tolerance in A Hybrid Cordgrass. <b>2019</b> , 8,	1
1294	Navigating transformation of biodiversity and climate. <b>2019</b> , 5, eaba0969	2
1293	Implementation of Artificial Intelligence for Classification of Frogs in Bioacoustics. <b>2019</b> , 11, 1454	3
1292	Overwintering tropical herbivores accelerate detritus production on temperate reefs. <b>2019</b> , 286, 20192046	7
1291	Resistance, Extinction, and Everything in Between IThe Diverse Responses of Seaweeds to Marine Heatwaves. <b>2019</b> , 6,	48
1290	Impact of climate change on insect-human interactions. <b>2019</b> , 19, 475-481	6

1289	Whitebark and Foxtail Pine in Yosemite, Sequoia, and Kings Canyon National Parks: Initial Assessment of Stand Structure and Condition. <b>2019</b> , 10, 35	10
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1287	World Octopus Fisheries. <b>2019</b> , 1-151	22
1286	Pervasive human-driven decline of life on Earth points to the need for transformative change.  Science, 2019, 366,  33.3	563
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1284	Precipitation Trends and Alteration in Wei River Basin: Implication for Water Resources Management in the Transitional Zone between Plain and Loess Plateau, China. <b>2019</b> , 11, 2407	5
1283	The Yellowstone to Yukon Conservation Initiative as an Adaptive Response to Climate Change. <b>2019</b> , 179-193	2
1282	Shifting the conservation paradigm: a synthesis of options for renovating nature under climate change. <b>2019</b> , 89, e01333	70
1281	The use of scenarios and models to evaluate the future of nature values and ecosystem services in Mediterranean forests. <b>2019</b> , 19, 415-428	16
1280	A review of quality of life (QOL) assessments and indicators: Towards a "QOL-Climate" assessment framework. <b>2019</b> , 48, 619-638	24
1279	Complex elevational shifts in a tropical lowland moth community following a decade of climate change. <b>2019</b> , 25, 514-523	12
1278	Metabolic impacts of climate change on marine ecosystems: Implications for fish communities and fisheries. <b>2019</b> , 28, 158-169	35
1277	Elevational rear edges shifted at least as much as leading edges over the last century. <b>2019</b> , 28, 533-543	30
1276	Twenty-first-century climate change impacts on marine animal biomass and ecosystem structure across ocean basins. <b>2019</b> , 25, 459-472	69
1275	Comprehensiveness of conservation of useful wild plants: An operational indicator for biodiversity and sustainable development targets. <b>2019</b> , 98, 420-429	72
1274	Increased rainfall and nitrogen alter colonization and extinction during postgrazing steppe succession. <b>2019</b> , 30, 75-85	3
1273	Long-term understory vegetation dynamics of mixed aspen forests in Rocky Mountain National Park, USA. <b>2019</b> , 30, 121-133	1
1272	Implications of a climate-induced recruitment shift in the stock assessment of Patagonian grenadier (Macruronus magellanicus) in Chile. <b>2019</b> , 212, 114-122	3

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1271	Moderate warming over the past 25 years has already reorganized stream invertebrate communities. <b>2019</b> , 658, 1531-1538	25
1270	Illegal recreational fishing causes a decline in a fishery targeted species (Snapper: Chrysophrys auratus) within a remote no-take marine protected area. <b>2019</b> , 14, e0209926	16
1269	Maximising the benefits of participatory climate adaptation research by understanding and managing the associated challenges and risks. <b>2019</b> , 94, 20-31	45
1268	Improving Models of Species Ecological Niches: A Remote Sensing Overview. <b>2019</b> , 7,	33
1267	Perceived Changes in Ecosystem Services in the Panchase Mountain Ecological Region, Nepal. <b>2019</b> , 8, 4	5
1266	Warming impacts on early life stages increase the vulnerability and delay the population recovery of a long-lived habitat-forming macroalga. <b>2019</b> , 107, 1129-1140	16
1265	Identifying key factors, actors and relevant scales in landscape and conservation planning, management and decision making: Promoting effective citizen involvement. <b>2019</b> , 47, 12-27	10
1264	Microclimate and demography interact to shape stable population dynamics across the range of an alpine plant. <b>2019</b> , 222, 193-205	26
1263	Inter-disciplinary, multi-scale science to support society to adapt under global change. <b>2019</b> , 70, 1	1
1262	Geographical adaptation prevails over species-specific determinism in trees' vulnerability to climate change at Mediterranean rear-edge forests. <b>2018</b> , 25, 1296	37
1261	Evolving adaptive capacity of seaweed harvesters in Brittany. <b>2019</b> , 48, 1543-1552	1
1260	Estimates of landscape composition from terrestrial oblique photographs suggest homogenization of Rocky Mountain landscapes over the last century. <b>2019</b> , 5, 224-236	12
1259	Climate change vulnerability assessment of species. <b>2019</b> , 10, e551	122
1258	Mapping Discourses of Climate Change Adaptation in the United Kingdom. <b>2019</b> , 11, 17-32	8
1257	Impact of climate change on the distribution range and niche dynamics of Himalayan birch, a typical treeline species in Himalayas. <b>2019</b> , 28, 2345-2370	45
1256	Comparison of Human and Non-human Migration Governance Under Climate Change. <b>2019</b> , 195-221	
1255	The contributions of Indigenous Peoples and local communities to ecological restoration. <b>2019</b> , 27, 3-8	83
1254	The importance of soils in predicting the future of plant habitat suitability in a tropical forest. <b>2020</b> , 450, 151-170	19

1253	The Effects of Winter Temperature and Land Use on Mangrove Avian Species Richness and Abundance on Leizhou Peninsula, China. <b>2020</b> , 40, 153-166	4
1252	A review of the major threats and challenges to global bat conservation. <b>2020</b> , 1469, 5-25	129
1251	Environmental and socio-economic sustainability in India: evidence from CO2 emission and economic inequality relationship. <b>2020</b> , 9, 57-76	11
1250	Food Diversity and Indigenous Food Systems to Combat Diet-Linked Chronic Diseases. <b>2020</b> , 4, 3-11	14
1249	Are shifts in species distribution triggered by climate change? A swordfish case study. <b>2020</b> , 175, 104666	5
1248	Global warming and artificial shorelines reshape seashore biogeography. <b>2020</b> , 29, 220-231	6
1247	Temperature thresholds for black mangrove (Avicennia germinans) freeze damage, mortality and recovery in North America: Refining tipping points for range expansion in a warming climate. <b>2020</b> , 108, 654-665	24
1246	Are data-mining techniques useful for selecting ecological indicators in biodiverse regions? Bridges between market basket analysis and indicator value analysis from a case study in the neotropics. <b>2020</b> , 109, 105833	6
1245	The impacts of climate change on the habitat distribution of the vulnerable Patagonian-Fueguian species Ctenomys magellanicus (Rodentia, Ctenomyidae). <b>2020</b> , 173, 104016	8
1244	Rethinking the native range concept. <b>2020</b> , 34, 373-377	12
1243	The influence of thermal extremes on coral reef fish behaviour in the Arabian/Persian Gulf. <b>2020</b> , 39, 733-744	9
1242	The climatic challenge: Which plants will people use in the next century?. <b>2020</b> , 170, 103872	28
1241	Urban greening, property and more-than-human commoning. <b>2020</b> , 51, 169-188	8
1240	Modeling the potential distribution of Zelkova schneideriana under different human activity intensities and climate change patterns in China. <b>2020</b> , 21, e00840	8
1239	Towards integrated knowledge of climate change in Arctic marine systems: a systematic literature review of multidisciplinary research. <b>2020</b> , 6, 1-23	12
1238	Past forward: Recommendations from historical ecology for ecosystem management. <b>2020</b> , 21, e00836	14
1237	Range edges in heterogeneous landscapes: Integrating geographic scale and climate complexity into range dynamics. <b>2020</b> , 26, 1055-1067	27
1236	Habitat type drives the distribution of non-indigenous species in fouling communities regardless of associated maritime traffic. <b>2020</b> , 26, 62-75	7

1235	Incongruence between life-history traits and conservation status in reef corals. <b>2020</b> , 39, 271-279	5
1234	Ocean acidification does not impair the behaviour of coral reef fishes. <b>2020</b> , 577, 370-375	55
1233	Identifying historical baseline at the onset of exploitation to improve understanding of fishing impacts. <b>2020</b> , 30, 475-485	6
1232	Freeze tolerance of poleward-spreading mangrove species weakened by soil properties of resident salt marsh competitor. <b>2020</b> , 108, 1725-1737	11
1231	Community turnover by composition and climatic affinity across scales in an alpine system. <b>2020</b> , 107, 239-249	6
1230	An evaluation of the CORDEX regional climate models in simulating future rainfall and extreme events over Mzingwane catchment, Zimbabwe. <b>2020</b> , 140, 91-100	1
1229	Intense human pressure is widespread across terrestrial vertebrate ranges. <b>2020</b> , 21, e00882	8
1228	Global marine warming in a new dimension. <b>2020</b> , 4, 16-17	2
1227	Genomic processes underlying rapid adaptation of a natural Chironomus riparius population to unintendedly applied experimental selection pressures. <b>2020</b> , 29, 536-548	14
1226	Trophic niche segregation allows range-extending coral reef fishes to co-exist with temperate species under climate change. <b>2020</b> , 26, 721-733	14
1225	Research priorities for natural ecosystems in a changing global climate. <b>2020</b> , 26, 410-416	10
1224	Hiding from the climate: Characterizing microrefugia for boreal forest understory species. <b>2020</b> , 26, 471-483	15
1223	Present and future of the critically endangered Araucaria angustifolia due to climate change and habitat loss. <b>2020</b> , 93, 401-410	10
1222	Altitudinal shifts in forest birds in a Mediterranean mountain range: causes and conservation prospects. <b>2020</b> , 30, 495-505	3
1221	Microbial communities associated with distance- and density-dependent seedling mortality in a tropical rainforest. <b>2020</b> , 221, 41-54	2
1220	Boundary spanning among research and policy communities to address the emerging industrial revolution in the ocean. <b>2020</b> , 104, 73-81	6
1219	Why Should We Care So Much About Old World Tropical Rainforests?. <b>2020</b> , 66-78	
1218	Parental acclimation to future ocean conditions increases development rates but decreases survival in sea urchin larvae. <b>2020</b> , 167, 1	11

1217	Do differences in developmental mode shape the potential for local adaptation?. <b>2020</b> , 101, e02942	2
1216	Potential distribution patterns of scorpions in north-eastern Brazil under scenarios of future climate change. <b>2020</b> , 45, 215-228	9
1215	Climate change jointly with migration ability affect future range shifts of dominant fir species in Southwest China. <b>2020</b> , 26, 352-367	16
1214	How do we overcome abrupt degradation of marine ecosystems and meet the challenge of heat waves and climate extremes?. <b>2020</b> , 26, 343-354	18
1213	The synergy between climate change and transportation activities drives the propagation of an invasive fruit fly. <b>2020</b> , 93, 615-625	2
1212	Stabilized and Immobilized Carbonic Anhydrase on Electrospun Nanofibers for Enzymatic CO Conversion and Utilization in Expedited Microalgal Growth. <b>2020</b> , 54, 1223-1231	36
1211	Incorporating environmental forcing in developing ecosystem-based fisheries management strategies. <b>2020</b> , 77, 500-514	2
1210	Combining correlative and mechanistic niche models with human activity data to elucidate the invasive potential of a sub-Antarctic insect. <b>2020</b> , 47, 658-673	16
1209	Climate change exposure and vulnerability of the global protected area estate from an international perspective. <b>2020</b> , 26, 1496-1509	13
1208	Climate and land-use change will lead to a faunal "savannization" on tropical rainforests. <b>2020</b> , 26, 7036-7044	23
1207	Marine Heatwave Stress Test of Ecosystem-Based Fisheries Management in the Gulf of Alaska Pacific Cod Fishery. <b>2020</b> , 7,	33
1206	Local Scale Thermal Environment and Limited Gene Flow Indicates Vulnerability of Warm Edge Populations in a Habitat Forming Macroalga. <b>2020</b> , 7,	2
1205	The Role of Stress Proteins in Haloarchaea and Their Adaptive Response to Environmental Shifts. <b>2020</b> , 10,	10
1204	Quantifying Climate-Wise Connectivity across a Topographically Diverse Landscape. <b>2020</b> , 9, 355	1
1203	Update on the global abundance and distribution of breeding Gentoo Penguins (Pygoscelis papua). <b>2020</b> , 43, 1947-1956	6
1202	The Effect of Climate Changes on the Wetland Moisture Variations and Its Correlation with Sand-Dust Events in a Semiarid Environment, Northwestern Iran. <b>2020</b> , 48, 1797-1808	6
1201	Birds advancing lay dates with warming springs face greater risk of chick mortality. <b>2020</b> , 117, 25590-25594	26
1200	Artificial light pollution increases the sensitivity of tropical zooplankton to extreme warming. <b>2020</b> , 20, 101179	2

1199	Remnant kelp bed refugia and future phase-shifts under ocean acidification. <b>2020</b> , 15, e0239136	1
1198	Opinion: Cultural and linguistic diversities are underappreciated pillars of biodiversity. <b>2020</b> , 117, 26539-2654	<b>13</b> 19
1197	Soil predator loss alters aboveground stoichiometry in a native but not in a related range-expanding plant when exposed to periodic heat waves. <b>2020</b> , 150, 107999	1
1196	Implementing integrated measurements of Essential Biodiversity Variables at a national scale. <b>2020</b> , 1, e12025	3
1195	Broad feeding niches of capelin and sand lance may overlap those of polar cod and other native fish in the eastern Canadian Arctic. <b>2020</b> , 43, 1707-1724	2
1194	Crop climate suitability mapping on the cloud: a geovisualization application for sustainable agriculture. <b>2020</b> , 10, 15487	8
1193	Habitat complexity influences selection of thermal environment in a common coral reef fish. <b>2020</b> , 8, coaa070	7
1192	Global wind patterns and the vulnerability of wind-dispersed species to climate change. <b>2020</b> , 10, 868-875	15
1191	A transition to sustainable ocean governance. <b>2020</b> , 11, 3600	30
1190	Publisher's note: IMating system variation in neotropical black mangrove, Avicennia germinans, at three spatial scales towards an expanding northern distributional limit[]2020, 238, 106712	
1189	Setting the basis for a long-term monitoring network of intertidal seaweed assemblages in northwest Spain. <b>2020</b> , 160, 105039	9
1188	Strong genetic structure among populations of the tick Ixodes ricinus across its range. <b>2020</b> , 11, 101509	4
1187	Projected climate and land use change alter western blacklegged tick phenology, seasonal host-seeking suitability and human encounter risk in California. <b>2020</b> , 26, 5459-5474	12
1186	One hundred years of climate change in Mexico. <b>2020</b> , 15, e0209808	15
1185	Multiple facets of marine biodiversity in the Pacific Arctic under future climate. <b>2020</b> , 744, 140913	5
1184	Climate change and bird extinctions in the Amazon. <b>2020</b> , 15, e0236103	5
1183	Cold range edges of marine fishes track climate change better than warm edges. <b>2020</b> , 26, 2908-2922	25
1182	Climate Change Will Re-draw the Map for Marine Megafauna and the People Who Depend on Them. <b>2020</b> , 7,	5

1181	Geoengineering super low carbon cows: food and the corporate carbon economy in a low carbon world. <b>2020</b> , 163, 135-153		4
1180	Economic assessment of different biogas digestate processing technologies: A scenario-based analysis. <b>2020</b> , 255, 120282		22
1179	Fire and biodiversity in the Anthropocene. <i>Science</i> , <b>2020</b> , 370,	33.3	76
1178	Condition thresholds in Australia. <b>2020</b> ,		2
1177	Mammary microbial dysbiosis leads to the zoonosis of bovine mastitis: a One-Health perspective. <b>2020</b> , 97,		7
1176	Healthy Ecosystems Are a Prerequisite for Human Health-A Call for Action in the Era of Climate Change with a Focus on Russia. <b>2020</b> , 17,		1
1175	Contrasting Futures for Australia Fisheries Stocks Under IPCC RCP8.5 Emissions A Multi-Ecosystem Model Approach. <b>2020</b> , 7,		5
1174	Five Organizational Features That Enable Successful Interdisciplinary Marine Research. <b>2020</b> , 7,		11
1173	Life Cycle Assessment of Sugar Palm Fiber Reinforced-Sago Biopolymer Composite Takeout Food Container. <b>2020</b> , 10, 7951		6
1172	A cross-scale framework to support a mechanistic understanding and modelling of marine climate-driven species redistribution, from individuals to communities. <b>2020</b> , 43, 1764-1778		8
1171	Biogeography of Micronekton Assemblages in the Natural Park of the Coral Sea. <b>2020</b> , 7,		3
1170	Potential for an Impact of Global Climate Change on Insect Herbivory in Cereal Crops. <b>2020</b> , 101-144		4
1169	Engaged Journalism and Climate Change: Lessons From an Audience-led, Locally Focused Australian Collaboration. <b>2020</b> , 1-16		3
1168	Range-extending tropical herbivores increase diversity, intensity and extent of herbivory functions in temperate marine ecosystems. <b>2020</b> , 34, 2411-2421		5
1167	Latitudinal patterns in trophic structure of temperate reef-associated fishes and predicted consequences of climate change. <b>2020</b> , 21, 1092-1108		14
1166	Climate change shifts the distribution of vegetation types in South Brazilian hotspots. <b>2020</b> , 20, 1		6
1165	End Overfishing and Increase the Resilience of the Ocean to Climate Change. 2020, 7,		18
1164	Climate Change and the Future Heat Stress Challenges among Smallholder Farmers in East Africa. <b>2020</b> , 11, 753		7

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1163	Ectomycorrhizal Plant-Fungal Co-invasions as Natural Experiments for Connecting Plant and Fungal Traits to Their Ecosystem Consequences. <b>2020</b> , 3,	5
1162	Extreme environmental conditions reduce coral reef fish biodiversity and productivity. 2020, 11, 3832	15
1161	Adaptation of Fishing Communities to Climate-Driven Shifts in Target Species. <b>2020</b> , 2, 544-556	20
1160	Alpine vegetation in the context of climate change: A global review of past research and future directions. <b>2020</b> , 748, 141344	28
1159	Comparing temporal patterns in body condition of ringed seals living within their core geographic range with those living at the edge. <b>2020</b> , 43, 1521-1535	5
1158	Microbial tropicalization driven by a strengthening western ocean boundary current. <b>2020</b> , 26, 5613-5629	4
1157	Transmission dynamics of dengue and chikungunya in a changing climate: do we understand the eco-evolutionary response?. <b>2020</b> , 18, 1187-1193	2
1156	The combined effects of climate change and river fragmentation on the distribution of Andean Amazon fishes. <b>2020</b> , 26, 5509-5523	19
1155	100 Opportunities for More Inclusive Ocean Research: Cross-Disciplinary Research Questions for Sustainable Ocean Governance and Management. <b>2020</b> , 7,	14
1154	Variation in reproductive effort, genetic diversity and mating systems across seagrass meadows in Western Australia. <b>2020</b> , 12, plaa038	3
1153	Range expansion of muskox lungworms track rapid arctic warming: implications for geographic colonization under climate forcing. <b>2020</b> , 10, 17323	11
1152	Habitat suitability modelling for Lagotis cashmeriana (ROYLE) RUPR., a threatened species endemic to Kashmir Himalayan alpines. <b>2020</b> , 1-11	O
1151	Adaptations and well-being: Gulf of Alaska fishing families in a changing landscape. <b>2020</b> , 197, 105321	2
1150	The influence of climate variability on demographic rates of avian Afro-palearctic migrants. <b>2020</b> , 10, 17592	3
1149	Biodiversity Distribution Patterns of Marine Phytoplankton and their Main Threats (Climate Change, Eutrophication and Acidification). <b>2020</b> , 661-679	
1148	Climate change and landscape-use patterns influence recent past distribution of giant pandas. <b>2020</b> , 287, 20200358	7
1147	Fire as a Selection Agent for the Dissemination of Invasive Species: Case Study on the Evolution of Forest Coverage. <b>2020</b> , 7, 57	7
1146	Potential Future Changes of the Geographic Range Size of Juniperus phoenicea in Algeria based on Present and Future Climate Change Projections. <b>2020</b> , 13, 429-441	1

1145	Using paleo-archives to safeguard biodiversity under climate change. <i>Science</i> , <b>2020</b> , 369,	33.3	34
1144	Calibrating Environmental DNA Metabarcoding to Conventional Surveys for Measuring Fish Species Richness. <b>2020</b> , 8,		27
1143	Ecosystem-based fisheries management forestalls climate-driven collapse. <b>2020</b> , 11, 4579		41
1142	Latitudinal shifts in mangrove species worldwide: evidence from historical occurrence records. <b>2020</b> , 847, 4111-4123		5
1141	Coping with Sea-Level Rise in African Protected Areas: Priorities for Action and Adaptation Measures. <b>2020</b> , 70, 924-932		2
1140	Ecological forecasts to inform near-term management of threats to biodiversity. <b>2020</b> , 26, 5816-5828		6
1139	Subsurface Ocean Warming Hotspots and Potential Impacts on Marine Species: The Southwest South Atlantic Ocean Case Study. <b>2020</b> , 7,		9
1138	Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. <i>Science</i> , <b>2020</b> , 369, 1351-1354	33.3	17
1137	Centring Indigenous knowledge systems to re-imagine conservation translocations. <b>2020</b> , 2, 512-526		10
1136	Developmental nutrition modulates metabolic responses to projected climate change. <b>2020</b> , 34, 2488-2	2502	6
1135	Advancing Global Ecological Modeling Capabilities to Simulate Future Trajectories of Change in Marine Ecosystems. <b>2020</b> , 7,		12
1134	The challenges of detecting and attributing ocean acidification impacts on marine ecosystems. <b>2020</b> , 77, 2411-2422		16
1133	Frequency of extreme freeze events controls the distribution and structure of black mangroves (Avicennia germinans) near their northern range limit in coastal Louisiana. <b>2020</b> , 26, 1366-1382		20
1132	Linking co-monitoring to co-management: bringing together local, traditional, and scientific knowledge in a wildlife status assessment framework. <b>2020</b> , 6, 247-266		8
1131	Responses of global waterbird populations to climate change vary with latitude. <b>2020</b> , 10, 959-964		11
1130	Transporting Biodiversity Using Transmission Power Lines as Stepping-Stones?. <b>2020</b> , 12, 439		2
1129	Application of Reflectance Ratios on High-Resolution Satellite Imagery to Remotely Identify Eucalypt Vegetation. <b>2020</b> , 12, 4079		1
1128	Software for prioritizing conservation actions based on probabilistic information. <b>2021</b> , 35, 1299-1308		4

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1127	Bi-Temporal Analysis of Spatial Changes of Boreal Forest Cover and Species in Siberia for the Years 1985 and 2015. <b>2020</b> , 12, 4116	1
1126	Mismatch of thermal optima between performance measures, life stages and species of spiny lobster. <b>2020</b> , 10, 21235	1
1125	Marine protected areas do not prevent marine heatwave-induced fish community structure changes in a temperate transition zone. <b>2020</b> , 10, 21081	5
1124	Post-2020 biodiversity targets need to embrace climate change. <b>2020</b> , 117, 30882-30891	49
1123	Geographic Variation in Life-History Traits of Black Sea Bass (Centropristis striata) During a Rapid Range Expansion. <b>2020</b> , 7,	4
1122	Ecological traits, genetic diversity and regional distribution of the macroalga Treptacantha elegans along the Catalan coast (NW Mediterranean Sea). <b>2020</b> , 10, 19219	3
1121	Climate-Wise Habitat Connectivity Takes Sustained Stakeholder Engagement. <b>2020</b> , 9, 413	4
1120	Effect of Acute Seawater Temperature Increase on the Survival of a Fish Ectoparasite. <b>2020</b> , 1, 215-236	6
1119	Hot and bothered: The role of behaviour and microclimates in buffering species from rising temperatures. <b>2020</b> , 89, 2392-2396	1
1118	Projected migrations of southern Indian Ocean albatrosses as a response to climate change. <b>2020</b> , 43, 1683-1691	1
1117	Mapping potentials and bridging regional gaps of renewable resources in China. <b>2020</b> , 134, 110337	7
1116	Some like it hotter: trematode transmission under changing temperature conditions. <b>2020</b> , 194, 745-755	6
1115	Climate Change Impacts on a Tropical Fishery Ecosystem: Implications and Societal Responses. <b>2020</b> , 12, 7970	11
1114	Decision support for the Ecosystem-Based Management of a Range-Extending Species in a Global Marine Hotspot Presents Effective Strategies and Challenges. <b>2020</b> , 1	1
1113	Temperature variability alters the stability and thresholds for collapse of interacting species. <b>2020</b> , 375, 20190457	12
1112	The Role of Batteries for the Successful Transition to Renewable Energy Sources. <b>2020</b> , 1-9	O
1111	When Climate Turns Nasty, What Are Recent and Future Implications? Ecological and Human Health Review of Climate Change Impacts. <b>2020</b> , 6, 55-65	4
1110	Temperature-related biodiversity change across temperate marine and terrestrial systems. <b>2020</b> , 4, 927-933	56

1109	Integrating climate change in ocean planning. <b>2020</b> , 3, 505-516		28
1108	An Epigenetic Signature for Within-Generational Plasticity of a Reef Fish to Ocean Warming. <b>2020</b> , 7,		13
1107	Reframing conservation physiology to be more inclusive, integrative, relevant and forward-looking: reflections and a horizon scan. <b>2020</b> , 8, coaa016		13
1106	Does consistent individual variability in pelagic fish larval behaviour affect recruitment in nursery habitats?. <b>2020</b> , 74, 1		4
1105	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. <b>2020</b> , 19, 542-584		24
1104	Multiple dimensions of climate change on the distribution of Amazon primates. <b>2020</b> , 18, 83-90		10
1103	Novel feeding interactions amplify the impact of species redistribution on an Arctic food web. <b>2020</b> , 26, 4894-4906		17
1102	Population expansion of the invasive Pomacentridae Chromis limbata (Valenciennes, 1833) in southern Brazilian coast: long-term monitoring, fundamental niche availability and new records. <b>2020</b> , 97, 362-373		4
1101	Microclimate shifts in a dynamic world. <i>Science</i> , <b>2020</b> , 368, 711-712	33.3	9
1100	Experimental and numerical investigation of the effect of sawdust ash on the performance of concrete. <b>2020</b> , 5, 1		11
1099	A genoscape-network model for conservation prioritization in a migratory bird. <b>2020</b> , 34, 1482-1491		5
1098	Harnessing paleo-environmental modeling and genetic data to predict intraspecific genetic structure. <b>2020</b> , 13, 1526-1542		4
1097	Forest microclimate dynamics drive plant responses to warming. <i>Science</i> , <b>2020</b> , 368, 772-775	33.3	162
1096	Towards a Comparative Framework of Demographic Resilience. <b>2020</b> , 35, 776-786		21
1095	Past and future decline of tropical pelagic biodiversity. <b>2020</b> , 117, 12891-12896		18
1094	Climate change and small pelagic fish price volatility. <b>2020</b> , 161, 591-599		8
1093	Realising blue growth in the fishing industry in Iceland and Norway: Industry perceptions on drivers and barriers to blue growth investments and policy implications. <b>2020</b> , 117, 103967		5
1092	Model approaches to estimate spatial distribution of bee species richness and soybean production in the Brazilian Cerrado during 2000 to 2015. <b>2020</b> , 737, 139674		1

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A heatwave increases turnover and regional dominance in $\mathfrak{m}_{1088}$ 47, 1-11	nicrobenthic metacommunities. <b>2020</b> ,
Patterns and controls of vegetation productivity and precip grasslands. <b>2020</b> , 741, 140204	itation-use efficiency across Eurasian 6
Hurricanes overcome migration lag and shape intraspecific of mangrove range limit. <b>2020</b> , 29, 2583-2597	genetic variation beyond a poleward
1085 30 years revisit survey for long-term changes in the Antarcti	ic subtidal algal assemblage. <b>2020</b> , 10, 8481
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Is a Mexican Pine Species Better Adapted to the Warming C 3,	limate of the Southwestern USA?. <b>2020</b> ,
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Local species diversity, Ediversity and climate influence the racross North America. <b>2020</b> , 287, 20192520	regional stability of bird biomass 7

1073	Environmental drivers of taxonomic and functional diversity of ant communities in a tropical mountain. <b>2020</b> , 13, 393-403	14
1072	Chronic water restriction triggers sex-specific oxidative stress and telomere shortening in lizards. <b>2020</b> , 16, 20190889	8
1071	Warmer and less variable temperatures favour an accelerated plant phenology of two invasive weeds across sub-Antarctic Macquarie Island. <b>2020</b> , 45, 572-585	7
1070	Identification of climate variables dominating streamflow generation and quantification of streamflow decline in the Loess Plateau, China. <b>2020</b> , 722, 137935	5
1069	First mussel settlement observed in Antarctica reveals the potential for future invasions. <b>2020</b> , 10, 5552	28
1068	The Origin of the Subtropical Coral Alveopora japonica (Scleractinia: Acroporidae) in High-Latitude Environments. <b>2020</b> , 8,	8
1067	Temperate insects with narrow seasonal activity periods can be as vulnerable to climate change as tropical insect´species. <b>2020</b> , 10, 8822	13
1066	The distribution and abundance of an unusual resource for koalas (Phascolarctos cinereus) in a sodium-poor environment. <b>2020</b> , 15, e0234515	1
1065	The Australian Roadkill Reporting Project-Applying Integrated Professional Research and Citizen Science to Monitor and Mitigate Roadkill in Australia. <b>2020</b> , 10,	5
1064	Dominance by Spartina densiflora slows salt marsh litter decomposition. <b>2020</b> , 31, 1181-1191	
1063	Moving Toward a Strategy for Addressing Climate Displacement of Marine Resources: A Proof-of-Concept. <b>2020</b> , 7,	12
1062	The Importance of Genomics for Deciphering the Invasion Success of the Seagrass Halophila stipulacea in the Changing Mediterranean Sea. <b>2020</b> , 12, 263	3
1061	Application of InVEST habitat quality module in spatially vulnerability assessment of natural habitats (case study: Chaharmahal and Bakhtiari province, Iran). <b>2020</b> , 192, 487	14
1060	Probabilistic graphical models for species richness prediction: Are current protected areas effective to face climate emergency?. <b>2020</b> , 23, e01162	1
1059	Effect of climate change on microbial diversity and its functional attributes. <b>2020</b> , 315-331	1
1058	Climate change impacts on the atmospheric circulation, ocean, and fisheries in the southwest South Atlantic Ocean: a review. <b>2020</b> , 162, 2359-2377	24
1057	Insect responses to heat: physiological mechanisms, evolution and ecological implications in a warming world. <b>2020</b> , 95, 802-821	86
1056	30% land conservation and climate action reduces tropical extinction risk by more than 50%. <b>2020</b> , 43, 943-953	46

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1049 Phenological shuffling of major marine phytoplankton groups over the last six decades. <b>2020</b> , 26, 536-548	6
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510	Evidence of a range expansion in sunfish from 47 years of coastal sightings <b>2022</b> , 169, 20	
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492	Identifying Ecological Security Patterns Based on Ecosystem Services Is a Significative Practice for Sustainable Development in Southwest China. <b>2022</b> , 9,	3
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488	Twenty Important Research Questions in Microbial Exposure and Social Equity <b>2022</b> , e0124021	3
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486	Global Patterns of Coastal Cephalopod Diversity Under Climate Change. <b>2022</b> , 8,	3
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460	Sustaining life below water. <b>2022</b> , 417-501	
459	Climatic factors as drivers of migration: a review. 1	О
458	Think globally, measure locally: The MIREN standardized protocol for monitoring plant species distributions along elevation gradients <b>2022</b> , 12, e8590	1
457	Recreational angling and spearfishing on social media: insights on harvesting patterns, social engagement and sentiments related to the distributional range shift of a marine invasive species. 1	О
456	Combination of Limited Meteorological Data for Predicting Reference Crop Evapotranspiration Using Artificial Neural Network Method. <b>2022</b> , 12, 516	10
455	Spatial patterns in the contribution of biotic and abiotic factors to the population dynamics of three freshwater fish species <b>2022</b> , 10, e12857	
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453	Diversifikation des marktlichen Risikos bei der Vermarktung industrieller Energieflexibilitlim Kontext von Demand Response. <b>2022</b> , 46, 41	
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451	Feedbacks Between Biodiversity and Climate Change. <b>2022</b> , 281-304	О
450	Tropical forest restoration under future climate change. <b>2022</b> , 12, 279-283	3
449	Genomic characterization of a wild-like tomato accession found in Arizona; a northward migration story.	О
448	Opinion: Nationally reported metrics can't adequately guide transformative change in biodiversity policy <b>2022</b> , 119,	О
447	Drought Sensitivity and Resilience of OakHickory Stands in the Eastern United States. <b>2022</b> , 13, 389	О
446	Combining the Effects of Global Warming, Land Use Change and Dispersal Limitations to Predict the Future Distributions of East Asian Cerris Oaks (Quercus Section Cerris, Fagaceae) in China. <b>2022</b> , 13, 367	Ο
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444	Food security and emerging infectious disease: risk assessment and risk management <b>2022</b> , 9, 211687	7

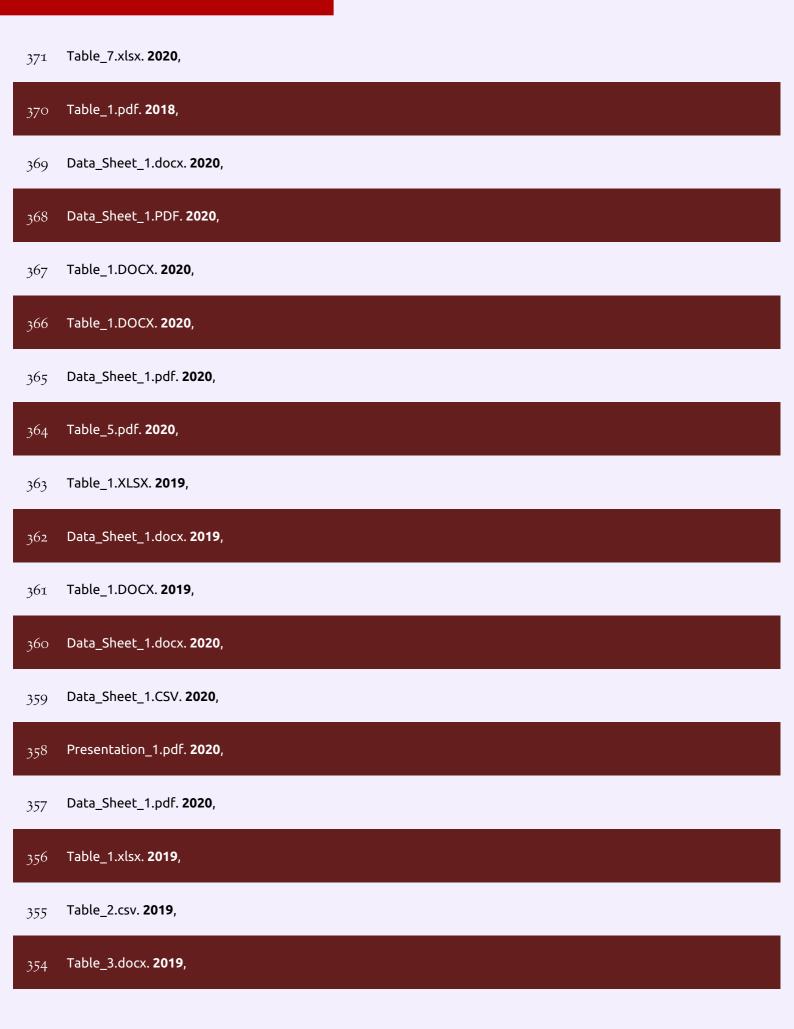
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433	Visioning a Food System for an Equitable Transition towards Sustainable Diets A South African Perspective. <b>2022</b> , 14, 3280	1
432	Modeling of Habitat Suitability and Niche Dynamics in the Himalayan Region under Anticipated Climate Change <b>2022</b> , 11,	1
431	Ant Diversity Declines with Increasing Elevation along the Udzungwa Mountains, Tanzania. <b>2022</b> , 14, 260	
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429	Lineage diversity within a widespread endemic Australian skink to better inform conservation in response to regional-scale disturbance <b>2022</b> , 12, e8627	
428	Mathematical models of diversification and innovation in biology.	
427	Safeguarding marine life: conservation of biodiversity and ecosystems <b>2022</b> , 32, 1-36	1
426	A Multilevel Assessment of Plasticity in Response to High-Altitude Environment for Agama Lizards. <b>2022</b> , 10,	

425	Climatic and edaphic variables determine leaf C, N, P stoichiometry of deciduous Quercus species. 1	0
424	Towards a More Realistic Simulation of Plant Species with a Dynamic Vegetation Model Using Field-Measured Traits: The Atlas Cedar, a Case Study. <b>2022</b> , 13, 446	O
423	Metabolic plasticity improves lobster's resilience to ocean warming but not to climate-driven novel species interactions <b>2022</b> , 12, 4412	O
422	Climate-Related Vulnerability and Risk Assessment of Main Ocean Uses: An Overview. <b>2022</b> , 9,	
421	The response of ants to climate change 2022,	3
420	A pioneering pest: the winter moth (Operophtera brumata) is expanding its outbreak range into Low Arctic shrub tundra. 1-21	O
419	Sustained reduction in numbers of Australian fur seal pups: Implications for future population monitoring <b>2022</b> , 17, e0265610	1
418	Linking climate change vulnerability research and evidence on conservation action effectiveness to safeguard European seabird populations.	
417	Multisector Dynamics: Advancing the Science of Complex Adaptive Human-Earth Systems. 2022, 10,	2
416	Life history mediates the trade-offs among different components of demographic resilience 2022,	O
415	The architecture of assisted colonisation in sea turtles: building new populations in a biodiversity crisis <b>2022</b> , 13, 1580	О
414	Genetically based adaptive trait shifts at an expanding mangrove range margin. 2022, 849, 1777-1794	
413	Both Dissolved Oxygen and Chlorophyll Explain the Large-Scale Longitudinal Variation of Deep Scattering Layers in the Tropical Pacific Ocean. <b>2022</b> , 9,	O
412	The nutritional and sensory quality of seafood in a changing climate <b>2022</b> , 176, 105590	1
411	Climate adaptation and vulnerability of foundation species in a global change hotspot.	0
410	Dispersal abilities favor commensalism in animal-plant interactions under climate change <b>2022</b> , 155157	O
409	Spiny lobsters prefer native prey over range-extending invasive urchins.	
408	Climate change will redefine taxonomic, functional, and phylogenetic diversity patterns of Odonata in space and time.	

407	Towards climate-smart, three-dimensional protected areas for biodiversity conservation in the high seas. <b>2022</b> , 12, 402-407	О
406	Contrasted spatio-temporal changes in the demersal fish assemblages and the dominance of the and not fishing pressure, in the Bay of Biscay and Celtic Sea. <b>2022</b> , 102788	1
405	Sea temperature and habitat effects on juvenile reef fishes along a tropicalizing coastline.	O
404	Climate refugia for Pinus spp. in topographic and bioclimatic environments of the Madrean sky islands of M $\blacksquare$ ico and the United States. 1	
403	Alpine Treeline Dynamics and the Special Exposure Effect in the Hengduan Mountains 2022, 13, 861231	O
402	The use of photos to investigate ecological change.	1
401	Efficient small-scale marine reserve design requires high-resolution biodiversity and stakeholder data. <b>2022</b> , 223, 106152	О
400	Biophysical indicators and Indigenous and Local Knowledge reveal climatic and ecological shifts with implications for Arctic Char fisheries. <b>2022</b> , 74, 102469	2
399	Influence of ocean warming and acidification on habitat-forming coralline algae and their associated molluscan assemblages. <b>2022</b> , 35, e02081	1
398	Public engagement for social transformation: Informing or Empowering?. <b>2022</b> , 132, 237-246	O
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395	Climate change negative effects on the Neotropical fishery resources may be exacerbated by hydroelectric dams <b>2022</b> , 828, 154485	O
394	OCEAN CULTURAL LITERACY: Captivating the Global Public with the Power and Magiclof Oceans in Their Lives. <b>2021</b> ,	
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392	Exploring the impact of climate change on the future of community-based wildlife conservation. <b>2022</b> , 4,	2
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390	Improving the framework for assessment of ecological change in the Arctic: A circumpolar synthesis of freshwater biodiversity. <b>2022</b> , 67, 210-223	2

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388	Impact assessment of coastal marine range shifts to support proactive management. <b>2022</b> , 20, 161-169	1
387	Physiology and acclimation potential are tuned with phenology in larvae of a prolonged breeder amphibian. <b>2022</b> , 2022,	О
386	Living on the edge: genetic structure and geographic distribution in the threatened Markham's Storm-Petrel () <b>2021</b> , 9, e12669	
385	Long-term changes in populations of rainforest birds in the Australia Wet Tropics bioregion: A climate-driven biodiversity emergency <b>2021</b> , 16, e0254307	1
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383	Patagonian Marine Forests in a Scenario of Global and Local Stressors. <b>2021</b> , 151-176	
382	Global distribution of the cold-water coral Lophelia pertusa. <b>2022</b> , 1004, 012010	
381	Climate change and mercury in the Arctic: Biotic interactions <b>2022</b> , 155221	4
380	Modeling Potential Impacts of Climate Change on the Distribution of Wooly Wolf (Canis lupus chanco). <b>2022</b> , 10,	
379	Novel frontier in wildlife monitoring: identification of small rodent species from faecal pellets using Near-Infrared Reflectance Spectroscopy (NIRS).	
378	Reviewing Paradox Theory in Corporate Sustainability Toward a Systems Perspective.	O
377	Gut Microbiota of Wild Fish as Reporters of Compromised Aquatic Environments Sleuthed through Machine Learning <b>2022</b> ,	O
376	High total water loss driven by low-fat diet in desert-adapted mice.	
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374	Challenges and innovations in the economic evaluation of the risks of climate change. <b>2022</b> , 197, 107437	1
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353	Table_4.csv. <b>2019</b> ,	
352	Table_5.csv. <b>2019</b> ,	
351	Data_Sheet_1.docx. <b>2019</b> ,	
350	Data_Sheet_1.PDF. <b>2019</b> ,	
349	Table_1.DOCX. <b>2019</b> ,	
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347	Table_3.XLSX. <b>2018</b> ,	
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345	Image_2.tif. <b>2020</b> ,	
344	Image_3.TIF. <b>2020</b> ,	
343	Table_1.DOCX. <b>2020</b> ,	
342	Overfishing species on the move may burden seafood provision in the low-latitude Atlantic Ocean <b>2022</b> , 155480	1
341	Use of Synthetic Ecology Approach in Exploring PlantMicrobial Interactions Under Habitat-Imposed Stresses. <b>2022</b> , 387-417	
340	Climate change and its impacts on health, environment and economy. <b>2022</b> , 253-279	O
339	Orthohantaviruses in the Arctic: Present and Future. <b>2022</b> , 393-414	
338	Experiments in Data Mining: Using Digitized Natural History Collections to Introduce Biology Students to Data Science. <b>2022</b> , 123-141	
337	OUP accepted manuscript.	0
336	Ocean Futures for the World Largest Yellowfin Tuna Population Under the Combined Effects of Ocean Warming and Acidification. <b>2022</b> , 9,	Ο

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333	Current and future distributions of a native Andean bumble bee. 1	
332	Latitudinal Diversity Gradient in the Changing World: Retrospectives and Perspectives. <b>2022</b> , 14, 334	2
331	Climate change increases cross-species viral transmission risk 2022,	35
330	Deep Species Distribution Modeling From Sentinel-2 Image Time-Series: A Global Scale Analysis on the Orchid Family <b>2022</b> , 13, 839327	
329	UK wildlife recorders cautiously welcome range-shifting species but incline against intervention to promote or control their establishment.	
328	Trends in functional composition of small mammal communities across millennial time scales.	O
327	High-Resolution Projections of Global Sea Surface Temperatures Reveal Critical Warming in Humpback Whale Breeding Grounds. <b>2022</b> , 9,	0
326	Emergence patterns of locally novel plant communities driven by past climate change and modern anthropogenic impacts <b>2022</b> ,	O
325	Self-Rated Health, Life Balance and Feeling of Empowerment When Facing Impacts of Permafrost Thaw Case Study from Northern Canada. <b>2022</b> , 13, 789	O
324	Maximization of fitness by phenological and phenotypic plasticity in range expanding rabbitfish (Siganidae) <b>2022</b> ,	
323	Shifting agriculture is the dominant driver of forest disturbance in threatened forest species ranges. <b>2022</b> , 3,	0
322	Insects in Art during an Age of Environmental Turmoil. <b>2022</b> , 13, 448	1
321	Differences in phenology, daily timing of activity, and associations of temperature utilization with survival in three threatened butterflies <b>2022</b> , 12, 7534	O
320	Lowland plant arrival in alpine ecosystems facilitates a decrease in soil carbon content under experimental climate warming <b>2022</b> , 11,	O
319	Climate change vulnerability of terrestrial vertebrates in a major refuge and dispersal corridor in North America.	1
318	Groundfish biodiversity change in northeastern Pacific waters under projected warming and deoxygenation.	O

317	High temperatures do not decrease biocontrol potential for the host-killing parasitoid Neochrysocharis formosa (Hymenoptera: Eulophidae) on agromyzid leafminers. <b>2022</b> , 21, 1722-1730	Ο
316	Responses of ecosystem respiration and methane fluxes to warming and nitrogen addition in a subtropical littoral wetland. <b>2022</b> , 215, 106335	
315	Functional susceptibility of tropical forests to climate change 2022,	О
314	Marine protected areas in the context of climate change: key challenges for coastal social-ecological systems <b>2022</b> , 377, 20210131	1
313	Indigenous knowledge, mercury, and a remote Russian Indigenous river basin <b>P</b> onoi River. <b>2022</b> , 299-307	
312	Advancing statistical models to reveal the effect of dissolved oxygen on the spatial distribution of marine taxa using thresholds and a physiologically based index.	O
311	Potential future climate change effects on global reptile distribution and diversity.	О
310	Interactive effects of drought and edge exposure on old-growth forest understory species.	O
309	Indigenous food sovereignty is constrained by Lime imperialism 2022, 133, 20-31	O
308	Enhancing monitoring and transboundary collaboration for conserving migratory species under global change: The priority case of the red kite. <b>2022</b> , 317, 115345	О
307	Global environmental changes more frequently offset than intensify detrimental effects of biological invasions. <b>2022</b> , 119,	O
306	Assessment of the Morphological Pattern of the Lebanon Cedar under Changing Climate: The Mediterranean Case. <b>2022</b> , 11, 802	
305	Climate change and fishing are pulling the functional diversity of the world's largest marine fisheries to opposite extremes.	O
304	Research Priorities on One Health: A Bibliometric Analysis. <b>2022</b> , 10,	1
303	Resident Willingness to Pay for Ecosystem Services in Hillside Forests. <b>2022</b> , 19, 6193	0
302	The biogeography of warming tolerance in lizards.	1
301	The Effects of Climate Change on Habitat Connectivity: A Case Study of the Brown-Eared Pheasant in China. <b>2022</b> , 11, 806	
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296	A framework for a green accounting system-exploratory study in a developing country context, Colombia.	Ο
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291	Does Water Quality Matter for Life Quality? A Study of the Impact of Water Quality on Well-being in a Coastal Community.	0
<b>2</b> 90	Climate warming threatens soil microbial diversity.	
289	Three-dimensional ontogenetic shifts of groundfish in the Northeast Pacific.	
	Till ee-diffiensional ontogenetic shirts of groundrish in the mortheast racine.	
288	Clay-catalyzed in situ pyrolysis of cherry pits for upgraded biofuels and heterogeneous adsorbents as recoverable by-products.	
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288	Clay-catalyzed in situ pyrolysis of cherry pits for upgraded biofuels and heterogeneous adsorbents as recoverable by-products.	2
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288 287 286 285	Clay-catalyzed in situ pyrolysis of cherry pits for upgraded biofuels and heterogeneous adsorbents as recoverable by-products.  Getting ahead of climate change for ecological adaptation and resilience. <i>Science</i> , <b>2022</b> , 376, 1421-1426 33.3  Toward SDGs: Forest, Market and Human Wellbeing Nexus in Indian Western Himalayas. 10,  Shifting fish distributions impact predation intensity in a sub-Arctic ecosystem.	0

281	Poleward mangrove expansion in South America coincides with MCA and CWP: A diatom, pollen, and organic geochemistry study. <b>2022</b> , 288, 107598	0
280	Surviving in a changing ocean. Tolerance to acidification might affect the susceptibility of polychaetes to chemical contamination. <b>2022</b> , 181, 113857	О
279	Warming and marine heatwaves tropicalize rocky reefs communities in the Gulf of California. <b>2022</b> , 206, 102838	О
278	Historical changes in hydroclimatic extreme events over Iran. 2022, 101-115	
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276	Risks to biodiversity from temperature overshoot pathways. <b>2022</b> , 377,	О
275	Mangrove dispersal disrupted by projected changes in global seawater density. <b>2022</b> , 12, 685-691	3
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273	Ecological complexity and the biosphere: the next 30 years. <b>2022</b> , 377,	2
272	Are species more harmful in their native, neonative or alien range? Insights from a global analysis of bark beetles.	
271	Microclimate shapes vegetation response to drought in calcareous grasslands.	1
270	Tree migration in the dynamic, global vegetation model LPJ-GM 1.1: efficient uncertainty assessment and improved dispersal kernels of European trees. <b>2022</b> , 15, 4913-4940	
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267	Linking animal behavior to ecosystem change in disturbed environments. 10,	O
266	Islands in the ice: Potential impacts of habitat transformation on Antarctic biodiversity.	О
265	Pleistocene glacial and interglacial ecosystems inferred from ancient DNA analyses of permafrost sediments from Batagay megaslump, East Siberia.	0
264	The spread of Lessepsian fish does not track native temperature conditions.	1

263	eDNA Reveals the Associated Metazoan Diversity of Mediterranean Seagrass Sediments. <b>2022</b> , 14, 549	1
262	Climate change is expected to restructure forest frugivorous bird communities in a biodiversity hot-point within the Atlantic Forest.	1
261	From a spatial structure perspective spatial-temporal variation of climate redistribution of China based on the KppenLeiger classification.	Ο
260	Faster ocean warming threatens richest areas of marine biodiversity.	O
259	Analysing the variation in farmers[perceptions of climate change impacts on crop production and adaptation measures across the Ganges[Fidal Floodplain in Bangladesh. 1-20	0
258	Climate Change and Its Effects on Indoor Pests (Insect and Fungi) in Museums. 2022, 10, 103	Ο
257	Shield wall: Kelps are the last stand against corals in tropicalised reefs.	1
256	Non-crop habitats concurrently drive crop colonization by the millet head miner and regulation by natural enemies. <b>2022</b> ,	
255	Riding the elevator to extinction: Disjunct arctic-alpine plants of open habitats decline as their more competitive neighbours expand. <b>2022</b> , 109620	1
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244	Clay and climatic variability explain the global potential distribution of Juniperus phoenicea toward restoration planning. <b>2022</b> , 12,	1
243	Global systematic review with meta-analysis shows that warming effects on terrestrial plant biomass allocation are influenced by precipitation and mycorrhizal association. <b>2022</b> , 13,	3
242	Life-history traits and temporal patterns in the incidence of coastal fishes experiencing tropicalization. <b>2022</b> , 13,	
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239	Call for integrating future patterns of biodiversity into European conservation policy.	
238	Change of Rice Paddy and Its Impact on Human Well-Being from the Perspective of Land Surface Temperature in the Northeastern Sanjiang Plain of China. <b>2022</b> , 19, 9690	
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235	Contemporary climate change velocity for near-surface temperatures over India. 2022, 173,	
234	Persistence in a tropical transition zone? Sargassum forests maintain productivity in warming waters at the expense of reduced annual biomass production by alternating seasonal growth forms. <b>2022</b> , 158154	
233	CRITTERBASE, a science-driven data warehouse for marine biota. <b>2022</b> , 9,	1
232	Spatiotemporal Differences, Dynamic Evolution and Trend of the Coupled Coordination Relationship between Urbanization and Food Security in China. <b>2022</b> , 11, 2526	O
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230	Ecological marginality and recruitment loss in the globally endangered freshwater pearl mussel.	
229	Assessing the Synergistic Effects of Land Use and Climate Change on Terrestrial Biodiversity: Are Generalists Always the Winners?.	0
228	Sedimentary ancient DNA reveals past ecosystem and biodiversity changes on the Tibetan Plateau: Overview and prospects. <b>2022</b> , 293, 107703	

227	Interaction of marine heatwaves and grazing on two canopy-forming algae. 2022, 556, 151795	0
226	Planetary health & Double 19: A multi-perspective investigation. <b>2022</b> , 15, 100416	o
225	Mesoscale oceanographic features drive divergent patterns in connectivity for co-occurring estuarine portunid crabs.	0
224	Effective and Sustainable Managed Protected Areas: Evaluation and Driving Factors of Eco-Efficiency of China® Forest Parks. <b>2022</b> , 13, 1406	2
223	A sea of fireworms? New insights on ecology and seasonal density of Hermodice carunculata (Pallas, 1766) (Annelida) in the Ionian Sea (SE Italy). <b>2022</b> , 89, 1104-1114	О
222	How 30 years of land-use changes have affected habitat suitability and connectivity for Atlantic Forest species. <b>2022</b> , 274, 109737	O
221	Active versus passive restoration: Forests in the southern Carpathian Mountains as a case study. <b>2022</b> , 322, 116003	О
220	Scientists' warning of threats to mountains. <b>2022</b> , 853, 158611	O
219	Continental-scale hyperspectral tree species classification in the United States National Ecological Observatory Network. <b>2022</b> , 282, 113264	О
218	De novo assembly and annotation of the transcriptome of the endangered seagrass Zostera capensis: Insights from differential gene expression under thermal stress. <b>2022</b> , 66, 100984	0
217	Sustainable Management Model for Native Flora in the Face of Climate Change and Planetary Health. <b>2022</b> , 13-28	0
216	Time for decisive actions to protect freshwater ecosystems from global changes. 2022, 19	0
215	Cross-jurisdictional larval supply essential for eastern Australian spanner crabs (Ranina ranina). <b>2022</b> ,	0
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213	Overlooked keystone species in conservation plans of fluvial ecosystems in Southeast Europe: a review of native freshwater crayfish species. <b>2022</b> , 21	0
212	History and Diversity: Establishing a Context for Helminth Biology. <b>2022</b> , 35-72	O
211	Natural Environment Protection Strategies and Green Management Style: Literature Review. <b>2022</b> , 14, 10595	1
210	Canopy gaps facilitate upslope shifts in montane conifers but not in temperate deciduous trees in the Northeastern United States.	0

209	Spatial distribution of Annonaceae across biomes and anthromes: Knowledge gaps in spatial and ecological data.	O
208	Behavioural temperature regulation is a low priority in a coral reef fish (Plectropomus leopardus): insights from a novel behavioural thermoregulation system. <b>2022</b> , 225,	2
207	Jumping out of trouble: evidence for a cognitive map in guppies (Poecilia reticulata).	О
206	Predicting the Potential Distribution of the Endangered Plant Cremastra appendiculata (Orchidaceae) in China under Multiple Climate Change Scenarios. <b>2022</b> , 13, 1504	1
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204	Ensemble modeling to predict the impact of future climate change on the global distribution of Olea europaea subsp. cuspidata. 5,	1
203	Magnetofossils and benthic foraminifera record changes in food supply and deoxygenation of the coastal marine seafloor during the Paleocene-Eocene Thermal Maximum.	О
202	A long-term shift in the summer distribution of Hector dolphins is correlated with an increase in cruise ship tourism. <b>2022</b> , 32, 1660-1674	1
201	°klim De¶kli[hin Yarasalar Øerine OlasÆtkileri.	O
200	Traditional knowledge in special fisheries: the case of Puruvesi vendace and seining.	О
199	From vegetation ecology to vegetation science: current trends and perspectives. <b>2022</b> , 100, S137-S174	O
198	Variation in Figh About days Diversity and Assemblace Chaustons in Consesse Mandause accept the	
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189	Function of Vitellogenin receptor gene in reproductive regulation of Zeugodacus cucurbitae (Coquillett) after short-term high-temperature treatment. 13,	О
188	Tropicalization of demersal megafauna in the western South Atlantic since 2013. 2022, 3,	O
187	Suitable areas for the invasion expansion of Xylocopa bees in South America.	O
186	Distributions of two native ungulates at the third pole are highly sensitive to global warming. <b>2022</b> , 39, e02292	O
185	Fisheries-enhanced pressure on Mediterranean regions and pelagic species already impacted by climate change. <b>2022</b> , 10,	0
184	Allee effects mediate the impact of land-use change on the thermal niche of social species.	О
183	Climate Change and Agriculture. <b>2022</b> , 1-27	О
182	Potential for redistribution of post-moult habitat for Eudyptes penguins in the Southern Ocean under future climate conditions.	O
181	Climate Change and Dispersal Ability Jointly Affects the Future Distribution of Crocodile Lizards. <b>2022</b> , 12, 2731	O
180	Traditional Livelihood, Unstable Environment: Adaptation of Traditional Fishing and Reindeer Herding to Environmental Change in the Russian Arctic. <b>2022</b> , 14, 12640	O
179	Stronger adaptive response among small-scale fishers experiencing greater climate change hazard exposure. <b>2022</b> , 3,	0
178	Projecting species distributions using fishery-dependent data.	O
177	Genomic consequences and selection efficacy in sympatric sexual versus asexual kelps. 9,	0
176	Abiotic conditions shape spatial and temporal morphological variation in North American birds.	O
175	Multiparametric microsensor monitoring platform of the Enceladus Hellenic supersite: the PROID project. <b>2022</b> ,	О
174	The potential for carbon sequestration by afforestation can be limited in dryland river basins under the pressure of high human activity. <b>2022</b> , 159817	O

173	Climate and fishing simultaneously impact small pelagic fish in the oceans around the southernmost tip of Africa. 9,	Ο
172	Strengthening protected areas for climate refugia on the Tibetan Plateau, China. <b>2022</b> , 275, 109781	O
171	Alteration of alpha and beta diversity in nekton community by extreme marine heatwave events: An example from the East China Sea. 9,	O
170	Spatial and temporal variation of zooplankton assemblage in Chiffa Wadi (North Algeria).	0
169	Resistance potential of soil bacterial communities along a biodiversity gradient in forest ecosystems.	O
168	Cryptic speciation of benthic Prorocentrum (Dinophyceae) species and their potential as ecological indicators. <b>2022</b> , 102304	1
167	Modeled distribution shifts of North American birds over four decades based on suitable climate alone do not predict observed shifts. <b>2023</b> , 857, 159603	0
166	Cardiovascular oxygen transport and peripheral oxygen extraction capacity contribute to acute heat tolerance in European seabass. <b>2023</b> , 275, 111340	O
165	Quantifying impacts of human pressures on ecosystem services: Effects of widespread non-indigenous species in the Baltic Sea. <b>2023</b> , 858, 159975	0
164	Scientists' warning on climate change and insects.	2
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162	Pleistocene parades of carnivores into North America.	O
161	Habitat configurations shape the trophic and energetic dynamics of reef fishes in a tropical Elemperate transition zone: implications under a warming future.	0
160	The value of standing forests for birds and people in a biodiversity hotspot. <b>2022</b> , 1, e0000093	O
159	We belong to the land: review of two northern rewilding sites as a vehicle for equity in conservation. <b>2022</b> , 9,	0
158	Report of the Red-Toothed Triggerfish Odonus niger (Rppell, 1836) from the North-East Region of the Arabian Gulf.	0
157	Should we adapt nature to climate change? Weighing the risks of selective breeding in Pacific salmon. 1-11	1
156	Applying landscape metrics to species distribution model predictions to characterize internal range structure and associated changes.	1

155	Impact of climate change on Arctic macroalgal communities. 2022, 219, 103980	O
154	Research progress and prospects of ecosystem carbon sequestration under climate change (1992\( \textbf{0} 022 \)). <b>2022</b> , 145, 109656	O
153	Climate-mediated population dynamics of a migratory songbird differ between the trailing edge and range core.	O
152	Climate change will redefine taxonomic, functional, and phylogenetic diversity of Odonata in space and time. <b>2022</b> , 1,	O
151	Climate Change Adaptation: An Ecosystem-Based Approach for Livelihood Improvement of Fringe Communities around Worobong South Forest Reserve in Ghana. <b>2022</b> , 2022, 1-9	O
150	Sub-lethal and lethal effects of chronic and extreme multiple stressors on a critical New Zealand bivalve under hypoxia.	O
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145	Toward a System Theory of Corporate Sustainability: An Interim Struggle. 2022, 14, 15931	1
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