Harold A Mooney

List of Publications by Year
in descending order

100 papers	44,714 citations	18887 64 h-index	36203 101 g-index
105 all docs	105 docs citations	105 times ranked	47178 citing authors

#	Article	IF	Citations
1	Integrating agroecological production in a robust post-2020 Global Biodiversity Framework. Nature Ecology and Evolution, 2020, 4, 1150-1152.	3.4	54
2	The IPBES Global Assessment: Pathways to Action. Trends in Ecology and Evolution, 2020, 35, 407-414.	4.2	77
3	The Shenzhen declaration on plant sciencesâ€"Uniting plant sciences and society to build a green, sustainable Earth. Plants People Planet, 2019, 1, 59-61.	1.6	12
4	A global test of ecoregions. Nature Ecology and Evolution, 2018, 2, 1889-1896.	3.4	79
5	Importing food damages domestic environment: Evidence from global soybean trade. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5415-5419.	3.3	127
6	The Shenzhen Declaration on Plant Sciencesâ€"Uniting plant sciences and society to build a green, sustainable Earth. Journal of Systematics and Evolution, 2017, 55, 415-416.	1.6	20
7	The Shenzhen Declaration on Plant Sciences. Taxon, 2017, 66, 1261-1262.	0.4	1
8	Socio-Environmental Systems (SES) Research: what have we learned and how can we use this information in future research programs. Current Opinion in Environmental Sustainability, 2016, 19, 160-168.	3.1	89
9	The Millennium Ecosystem Assessment: testing the limits of interdisciplinary and multi-scale science. Current Opinion in Environmental Sustainability, 2016, 19, 40-46.	3.1	32
10	The IPBES Conceptual Framework â€" connecting nature and people. Current Opinion in Environmental Sustainability, 2015, 14, 1-16.	3.1	1,658
11	Systems integration for global sustainability. Science, 2015, 347, 1258832.	6.0	820
12	Linking biodiversity, ecosystem services, and human well-being: three challenges for designing research for sustainability. Current Opinion in Environmental Sustainability, 2015, 14, 76-85.	3.1	559
13	National indicators for observing ecosystem service change. Global Environmental Change, 2015, 35, 12-21.	3.6	28
14	Introducing the Scientific Consensus on Maintaining Humanityâ€™s Life Support Systems in the 21st Century: Information for Policy Makers. Infrastructure Asset Management, 2014, 1, 78-109.	1.2	55
15	Fauna in decline: Global assessments. Science, 2014, 345, 885-885.	6.0	1
16	Restoring Native Forest Understory: The Influence of Ferns and Light in a Hawaiian Experiment. Sustainability, 2013, 5, 1317-1339.	1.6	4
17	Evolution of natural and social science interactions in global change research programs. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3665-3672.	3.3	277
18	Finding Common Ground for Biodiversity and Ecosystem Services. BioScience, 2012, 62, 503-507.	2.2	161

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19	Building a global observing system for biodiversity. Current Opinion in Environmental Sustainability, 2012, 4, 139-146.	3.1	125
20	Biodiversity and ecosystem services science for a sustainable planet: the DIVERSITAS vision for 2012â€“20. Current Opinion in Environmental Sustainability, 2012, 4, 101-105.	3.1	62
21	A Global System for Monitoring Ecosystem Service Change. BioScience, 2012, 62, 977-986.	2.2	142
22	The Biodiversity and Ecosystem Services Science-Policy Interface. Science, 2011, 331, 1139-1140.	6.0	252
23	Ecosystem services, targets, and indicators for the conservation and sustainable use of biodiversity. Frontiers in Ecology and the Environment, 2011, 9, 512-520.	1.9	91
24	Intervention Ecology: Applying Ecological Science in the Twenty-first Century. BioScience, 2011, 61, 442-450.	2.2	323
25	The Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services: moving a step closer to an IPCC-like mechanism for biodiversity. Current Opinion in Environmental Sustainability, 2010, 2, 9-14.	3.1	152
26	Biodiversity targets after 2010. Current Opinion in Environmental Sustainability, 2010, 2, 3-8.	3.1	124
27	The ecosystem-service chain and the biological diversity crisis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 31-39.	1.8	59
28	International cooperation in the solution to tradeâ€related invasive species risks^a. Annals of the New York Academy of Sciences, 2010, 1195, 198-212.	1.8	62
29	Biodiversity, climate change, and ecosystem services. Current Opinion in Environmental Sustainability, 2009, 1, 46-54.	3.1	337
30	Developing a common strategy for integrative global environmental change research and outreach: the Earth System Science Partnership (ESSP). Current Opinion in Environmental Sustainability, 2009, 1, 4-13.	3.1	65
31	Invasive species, ecosystem services and human well-being. Trends in Ecology and Evolution, 2009, 24, 497-504.	4.2	1,026
32	Ecosystem services in decision making: time to deliver. Frontiers in Ecology and the Environment, 2009, 7, 21-28.	1.9	1,490
33	Biodiversity Policy Challenges. Science, 2009, 325, 1474-1474.	6.0	38
34	Science for managing ecosystem services: Beyond the Millennium Ecosystem Assessment. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1305-1312.	3.3	1,736
35	Should agricultural policies encourage land sparing or wildlife-friendly farming?. Frontiers in Ecology and the Environment, 2008, 6, 380-385.	1.9	503
36	International Trade in Meat: The Tip of the Pork Chop. Ambio, 2007, 36, 622-629.	2.8	161

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37	Shifting plant phenology in response to global change. Trends in Ecology and Evolution, 2007, 22, 357-365.	4.2	1,746
38	Invasive alien species in an era of globalization. Frontiers in Ecology and the Environment, 2007, 5, 199-208.	1.9	418
39	LONG-TERM DATA REVEAL COMPLEX DYNAMICS IN GRASSLAND IN RELATION TO CLIMATE AND DISTURBANCE. Ecological Monographs, 2007, 77, 545-568.	2.4	119
40	GASTROPOD HERBIVORY IN RESPONSE TO ELEVATED CO2AND N ADDITION IMPACTS PLANT COMMUNITY COMPOSITION. Ecology, 2006, 87, 686-694.	1.5	22
41	Herbivore control of annual grassland composition in current and future environments. Ecology Letters, 2006, 9, 86-94.	3.0	23
42	The United States, China, and invasive species: present status and future prospects. Biological Invasions, 2006, 8, 1589-1593.	1.2	24
43	Interactive Effects of Fire, Elevated Carbon Dioxide, Nitrogen Deposition, and precipitation on a California Annual Grassland. Ecosystems, 2006, 9, 1066-1075.	1.6	67
44	Reduced nitrate leaching and enhanced denitrifier activity and efficiency in organically fertilized soils. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4522-4527.	3.3	257
45	ECOLOGY: Enhanced: Millennium Ecosystem Assessment: Research Needs. Science, 2006, 314, 257-258.	6.0	442
46	Diverse responses of phenology to global changes in a grassland ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13740-13744.	3.3	397
47	Confronting the human dilemma. Nature, 2005, 434, 561-562.	13.7	129
48	Responses of Grassland Production to Single and Multiple Global Environmental Changes. PLoS Biology, 2005, 3, e319.	2.6	308
49	AGRICULTURE: Losing the Links Between Livestock and Land. Science, 2005, 310, 1621-1622.	6.0	315
50	Carbon Dynamics of an Old-growth Forest. Ecosystems, 2004, 7, 421.	1.6	19
51	The millennium ecosystem assessment: what is it all about?. Trends in Ecology and Evolution, 2004, 19, 221-224.	4.2	34
52	Additive effects of simulated climate changes, elevated CO2, and nitrogen deposition on grassland diversity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7650-7654.	3.3	266
53	GRASSLAND RESPONSES TO THREE YEARS OF ELEVATED TEMPERATURE, CO2, PRECIPITATION, AND N DEPOSITION. Ecological Monographs, 2003, 73, 585-604.	2.4	326
54	Grassland Responses to Global Environmental Changes Suppressed by Elevated CO2. Science, 2002, 298, 1987-1990.	6.0	498

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55	Viewing invasive species removal in a whole-ecosystem context. Trends in Ecology and Evolution, 2001, 16, 454-459.	4.2	929
56	ENVIRONMENT AND DEVELOPMENT: Sustainability Science. Science, 2001, 292, 641-642.	6.0	2,169
57	A global distribution of biodiversity inferred from climatic constraints: results from a process-based modelling study. Global Change Biology, 2000, 6, 507-523.	4.2	147
58	Effect of aquaculture on world fish supplies. Nature, 2000, 405, 1017-1024.	13.7	2,310
59	Global Biodiversity Scenarios for the Year 2100 . Science, 2000, 287, 1770-1774.	6.0	7,077
60	The Global Invasive Species Program (GISP). Biological Invasions, 1999, 1, 97-98.	1.2	15
61	ECOLOGY:International Ecosystem Assessment. Science, 1999, 286, 685-686.	6.0	89
62	Does global change increase the success of biological invaders?. Trends in Ecology and Evolution, 1999, 14, 135-139.	4.2	1,254
63	Mangrove Biodiversity and Ecosystem Function. Global Ecology and Biogeography Letters, 1998, 7, 3.	0.6	106
64	Ecosystem Consequences of Changing Biodiversity. BioScience, 1998, 48, 45-52.	2.2	319
65	ECOLOGY:Nature's Subsidies to Shrimp and Salmon Farming. , 1998, 282, 883-884.		300
66	Broadening the Extinction Debate: Population Deletions and Additions in California and Western Australia. Conservation Biology, 1998, 12, 271-283.	2.4	101
67	Human Domination of Earth's Ecosystems. Science, 1997, 277, 494-499.	6.0	7,341
68	The fate of carbon in grasslands under carbon dioxide enrichment. Nature, 1997, 388, 576-579.	13.7	444
69	Elevated CO2 increases belowground respiration in California grasslands. Oecologia, 1996, 108, 130-137.	0.9	125
70	Effects of CO2 and nutrient enrichment on tissue quality of two California annuals. Oecologia, 1996, 107, 433-440.	0.9	19
71	Terrestrial ecosystem production: A process model based on global satellite and surface data. Global Biogeochemical Cycles, 1993, 7, 811-841.	1.9	2,290
72	Controls of biomass partitioning between roots and shoots: Atmospheric CO2 enrichment and the acquisition and allocation of carbon and nitrogen in wild radish. Oecologia, 1992, 89, 580-587.	0.9	68

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73	Seasonal patterns of acid fluctuations and resource storage in the arborescent cactus Opuntia excelsa in relation to light availability and size. Oecologia, 1992, 92, 166-171.	0.9	35
74	Lack of nitrogen cycling in the Atacama Desert. Nature, 1992, 359, 316-318.	13.7	30
75	Greenhouse economics: learn before you leap. Ecological Economics, 1991, 4, 1-10.	2.9	49
76	Effects of Rainfall Variability and Gopher Disturbance on Serpentine Annual Grassland Dynamics. Ecology, 1991, 72, 59-68.	1.5	217
77	WATER TRANSPORT PROPERTIES OF VINE AND TREE STEMS IN A TROPICAL DECIDUOUS FOREST. American Journal of Botany, 1990, 77, 742-749.	0.8	65
78	Effects of Soil Resources on Plant Invasion and Community Structure in Californian Serpentine Grassland. Ecology, 1990, 71, 478-491.	1.5	639
79	Carbon-nutrient balance hypothesis in within-species phytochemical variation ofSalix lasiolepis. Journal of Chemical Ecology, 1989, 15, 1117-1131.	0.9	97
80	Effects of multiple stresses on radish growth and resource allocation. Oecologia, 1989, 81, 124-131.	0.9	24
81	Relationships Among Leaf Construction Cost, Leaf Longevity, and Light Environment in Rain-Forest Plants of the Genus Piper. American Naturalist, 1989, 133, 198-211.	1.0	260
82	A system for controlling the root and shoot environment for plant growth studies. Environmental and Experimental Botany, 1987, 27, 365-377.	2.0	35
83	Revegetation of serpentine substrates: Response to phosphate application. Environmental Management, 1987, 11, 563-567.	1.2	17
84	Allocation to reproduction in the chaparral shrub, Diplacus aurantiacus. Oecologia, 1985, 66, 309-316.	0.9	26
85	Herbivory on Diplacus aurantiacus shrubs in sun and shade. Oecologia, 1984, 64, 173-176.	0.9	104
86	Extinction, Substitution, and Ecosystem Services. BioScience, 1983, 33, 248-254.	2.2	402
87	Long-term biological consequences of nuclear war. Science, 1983, 222, 1293-1300.	6.0	176
88	Endomycorrhizal Role for Interspecific Transfer of Phosphorus in a Community of Annual Plants. Science, 1982, 217, 941-943.	6.0	209
89	Parallel evolution of leaf pubescence in Encelia in coastal deserts of North and South America. Oecologia, 1981, 49, 38-41.	0.9	44
90	Photosystem II Photosynthetic Unit Sizes from Fluorescence Induction in Leaves. Plant Physiology, 1981, 67, 570-579.	2.3	150

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91	Ecology of SO2 resistance: III. Metabolic changes of C3 and C4 Atriplex species due to SO2 fumigations. Oecologia, 1980, 46, 49-54.	0.9	35
92	Ecology of SO2 resistance: I. Effects of fumigations on gas exchange of deciduous and evergreen shrubs. Oecologia, 1979, 44, 290-295.	0.9	79
93	Ecology of SO2 resistance: II. Photosynthetic changes of shrubs in relation to SO2 absorption and stomatal behavior. Oecologia, 1979, 44, 296-302.	0.9	66
94	Photosynthetic Acclimation to Temperature in the Desert Shrub, Larrea divaricata. Plant Physiology, 1978, 61, 406-410.	2.3	172
95	Mechanism of monoterpene volatilization in Salvia mellifera. Phytochemistry, 1975, 14, 2555-2557.	1.4	90
96	Seasonal variation in the production of tannins and cyanogenic glucosides in the chaparral shrub, Heteromeles arbutifolia. Oecologia, 1974, 15, 65-76.	0.9	123
97	Volatilisation of terpenes from Salvia mellifera. Nature, 1974, 252, 119-121.	13.7	55
98	Recent Climatic Change and Development of the Bristlecone Pine (P. longaeva Bailey) Krummholz Zone, Mt. Washington, Nevada. Arctic and Alpine Research, 1972, 4, 61.	1.3	58
99	Carbon dioxide exchange of plants in natural environments. Botanical Review, The, 1972, 38, 455-469.	1.7	30
100	Altithermal Timberline Advance in Western United States. Nature, 1967, 213, 980-982.	13.7	66