Scott Abella

List of Publications by Year in Descending Order

98 papers	1,401 citations	22 h-index	32 g-index
102 ext. papers	1,606 ext. citations	2.8 avg, IF	5.16 L-index

#	Paper	IF	Citations
98	Outplanting establishment within a contaminated and nonnative invaded semiarid desert riparian corridor. *Ecological Engineering*, **2022**, 179, 106598	3.9	
97	Baseline Climate Grid Resolution and Climate Time Step Impacts on Desert Vegetation Habitat Models **2022**, 277-300		
96	The aboveground and belowground growth characteristics of juvenile conifers in the southwestern United States. *Ecosphere*, **2021**, 12, e03839	3.1	1
95	Seed germination of a rare gypsum-associated species, Arctomecon californica (Papaveraceae), in the Mojave Desert. *Journal of Arid Environments*, **2021**, 184, 104313	2.5	3
94	Delayed Tree Mortality After Prescribed Fires in Mixed Oak Forests in Northwestern Ohio. *Forest Science*, **2021**, 67, 412-418	1.4	0
93	Co-Variation among Vegetation Structural Layers in Forested Wetlands. *Wetlands*, **2021**, 41, 1	1.7	
92	Developing minimal-input techniques for invasive plant management: perimeter treatments enlarge native grass patches. *Invasive Plant Science and Management*, **2020**, 13, 108-113	1	0
91	Unusually high-quality soil seed banks in a Midwestern U.S. oak savanna region: variation with land use history, habitat restoration, and soil properties. *Restoration Ecology*, **2020**, 28, 1100-1112	3.1	3
90	Cover–biomass relationships of an invasive annual grass, Bromus rubens, in the Mojave Desert. *Invasive Plant Science and Management*, **2020**, 13, 288-292	1	2
89	Changes in trees, groundlayer diversity, and deer-preferred plants across 18 years in oak (Quercus, Fagaceae) forests of northwestern Ohio1,2. *Journal of the Torrey Botanical Society*, **2020**, 147,	0.5	1
88	Unexpected side effects in biocrust after treating non-native plants using carbon addition. *Restoration Ecology*, **2020**, 28, S32	3.1	2
87	Rapid and transient changes during 20 years of restoration management in savanna-woodland-prairie habitats threatened by woody plant encroachment. *Plant Ecology*, **2020**, 221, 1201-1217	1.7	3
86	Developing methods of assisted natural regeneration for restoring foundational desert plants. *Arid Land Research and Management*, **2020**, 34, 231-237	1.8	3
85	Fourteen years of swamp forest change from the onset, during, and after invasion of emerald ash borer. *Biological Invasions*, **2019**, 21, 3685-3696	2.7	6
84	Badlands, Seed Banks, and Community Disassembly. *Rangeland Ecology and Management*, **2019**, 72, 736-741	1.1	1
83	Assessing historical and future habitat models for four conservation-priority Mojave Desert species. *Journal of Biogeography*, **2019**, 46, 2081-2097	4.1	4
82	The good with the bad: when ecological restoration facilitates native and non-native species. *Restoration Ecology*, **2019**, 27, 343-351	3.1	10

81	Persistence and turnover in desert plant communities during a 37-yr period of land use and climate change. *Ecological Monographs*, **2019**, 89, e01390	9	4
80	Predicting Post-Fire Tree Survival for Restoring Oak Ecosystems. *Ecological Restoration*, **2019**, 37, 72-76	1.1	2
79	Forest decline after a 15-year "perfect storm" of invasion by hemlock woolly adelgid, drought, and hurricanes. *Biological Invasions*, **2018**, 20, 695-707	2.7	8
78	Testing the hypothesis of hierarchical predictability in ecological restoration and succession. *Oecologia*, **2018**, 186, 541-553	2.9	7
77	Resistance and Resilience to Natural Disturbance during Ecological Restoration. *Ecological Restoration*, **2018**, 36, 284-294	1.1	5
76	Soil seed bank assay methods influence interpretation of non-native plant management. *Applied Vegetation Science*, **2018**, 21, 626-635	3.3	6
75	Conserving Large Oaks and Recruitment Potential while Restoring Midwestern Savanna and Woodland. *American Midland Naturalist*, **2017**, 177, 309-317	0.7	5
74	How Many Arizona Walnut Trees Inhabit Walnut Canyon National Monument?. *Southwestern Naturalist*, **2017**, 62, 157-161	0.3	
73	Restoring and conserving rare native ecosystems: A 14-year plantation removal experiment. *Biological Conservation*, **2017**, 212, 265-273	6.2	11
72	Sustainability of utility-scale solar energy – critical ecological concepts. *Frontiers in Ecology and the Environment*, **2017**, 15, 385-394	5.5	44
71	Restoring Desert Ecosystems **2017**, 158-172		
70	Enhancing and Restoring Habitat for the Desert Tortoise. *Journal of Fish and Wildlife Management*, **2016**, 7, 255-279	0.7	7
69	Rapidly restoring biological soil crusts and ecosystem functions in a severely disturbed desert ecosystem **2016**, 26, 1260-72		79
68	Forest change over 155 years along biophysical gradients of forest composition, environment, and anthropogenic disturbance. *Forest Ecology and Management*, **2015**, 348, 196-207	3.9	8
67	Revegetating Disturbance in National Parks: Reestablishing Native Plants in Saguaro National Park, Sonoran Desert. *Natural Areas Journal*, **2015**, 35, 18-25	0.8	2
66	Ten years of vegetation assembly after a North American mega fire. *Global Change Biology*, **2015**, 21, 789-802	11.4	69
65	Effects of tree cutting and fire on understory vegetation in mixed conifer forests. *Forest Ecology and Management*, **2015**, 335, 281-299	3.9	51
64	Initial Vegetation Response to Fuel Mastication Treatments in Rare Butterfly Habitat of the Spring Mountains, Nevada. *Journal of the Arizona-Nevada Academy of Science*, **2015**, 46, 6-17	0	

63	Diverse responses across soil parent materials during ecological restoration. *Restoration Ecology*, **2015**, 23, 113-121	3.1	7
62	Restoring a desert ecosystem using soil salvage, revegetation, and irrigation. *Journal of Arid Environments*, **2015**, 115, 44-52	2.5	14
61	Enhancing Quality of Desert Tortoise Habitat: Augmenting Native Forage and Cover Plants. *Journal of Fish and Wildlife Management*, **2015**, 6, 278-289	0.7	6
60	Watercourse-Upland and Elevational Gradients in Spring Vegetation of a Mojave-Great Basin Desert Landscape. *Natural Areas Journal*, **2014**, 34, 79-91	0.8	
59	An ecosystem classification approach to assessing forest change in the southern Appalachian Mountains. *Forest Ecology and Management*, **2014**, 323, 85-97	3.9	5
58	Climate, trees, pests, and weeds: Change, uncertainty, and biotic stressors in eastern U.S. national park forests. *Forest Ecology and Management*, **2014**, 327, 31-39	3.9	22
57	Effectiveness of Exotic Plant Treatments on National Park Service Lands in the United States. *Invasive Plant Science and Management*, **2014**, 7, 147-163	1	26
56	Long-term response of a Mojave Desert winter annual plant community to a whole-ecosystem atmospheric CO2 manipulation (FACE). *Global Change Biology*, **2014**, 20, 879-92	11.4	30
55	Plant colonization and soil properties on newly exposed shoreline during drawdown of Lake Mead, Mojave Desert. *Lake and Reservoir Management*, **2014**, 30, 105-114	1.3	3
54	Climatic Change and Desert Vegetation Distribution: Assessing Thirty Years of Change in Southern Nevada's Mojave Desert. *Professional Geographer*, **2014**, 66, 311-322	1.7	13
53	Post-fire recovery of desert bryophyte communities: effects of fires and propagule soil banks. *Journal of Vegetation Science*, **2014**, 25, 447-456	3.1	11
52	Annual-perennial plant relationships and species selection for desert restoration. *Journal of Arid Land*, **2013**, 5, 298-309	2.2	15
51	Soil, vegetation, and seed bank of a Sonoran Desert ecosystem along an exotic plant (Pennisetum ciliare) treatment gradient. *Environmental Management*, **2013**, 52, 946-57	3.1	13
50	Characterizing soil seed banks and relationships to plant communities. *Plant Ecology*, **2013**, 214, 703-715	1.7	21
49	Treatment Alternatives and Timing Affect Seeds of African Mustard (Brassica tournefortii), an Invasive Forb in American Southwest Arid Lands. *Invasive Plant Science and Management*, **2013**, 6, 559-567	1	9
48	Soil Seed Banks of the Exotic Annual Grass Bromus rubens on a Burned Desert Landscape. *Rangeland Ecology and Management*, **2013**, 66, 157-163	2.2	9
47	Distribution of exotic plant species and relationship to vegetation type at Bryce Canyon National Park, USA. *Landscape and Urban Planning*, **2013**, 120, 48-58	7.7	1
46	Soil development in vegetation patches of Pinus ponderosa forests: Interface with restoration thinning and carbon storage. *Forest Ecology and Management*, **2013**, 310, 632-642	3.9	11

45	Influences of Wildfires on Organic Carbon, Total Nitrogen, and Other Properties of Desert Soils. *Soil Science Society of America Journal*, **2013**, 77, 1806-1817	2.5	4
44	Estimating wildfire risk on a Mojave Desert landscape using remote sensing and field sampling. *International Journal of Wildland Fire*, **2013**, 22, 770	3.2	11
43	Responses of native and non-native Mojave Desert winter annuals to soil disturbance and water additions. *Biological Invasions*, **2012**, 14, 215-227	2.7	18
42	Biophysical Correlates with the Distribution of the Invasive Annual Red Brome (Bromus rubens) on a Mojave Desert Landscape. *Invasive Plant Science and Management*, **2012**, 5, 47-56	1	15
41	Ecological Characteristics of Sites Invaded by Buffelgrass (Pennisetum ciliare). *Invasive Plant Science and Management*, **2012**, 5, 443-453	1	26
40	A hierarchical analysis of vegetation on a Mojave Desert landscape, USA. *Journal of Arid Environments*, **2012**, 78, 135-143	2.5	2
39	Relationships of exotic plant communities with native vegetation, environmental factors, disturbance, and landscape ecosystems of Pinus ponderosa forests, USA. *Forest Ecology and Management*, **2012**, 271, 65-74	3.9	9
38	Overstory-Understory Relationships along Forest Type and Environmental Gradients in the Spring Mountains of Southern Nevada, USA. *Folia Geobotanica*, **2012**, 47, 119-134	1.4	7
37	Identifying Native Vegetation for Reducing Exotic Species during the Restoration of Desert Ecosystems. *Restoration Ecology*, **2012**, 20, 781-787	3.1	35
36	Soil seed banks in a mature coniferous forest landscape: dominance of native perennials and low spatial variability. *Seed Science Research*, **2012**, 22, 207-217	1.3	8
35	Outplanting but not seeding establishes native desert perennials. *Native Plants Journal*, **2012**, 13, 81-90	0.6	9
34	Vegetation recovery in a desert landscape after wildfires: influences of community type, time since fire and contingency effects. *Journal of Applied Ecology*, **2011**, 48, 1401-1410	5.8	54
33	Relationships of Native Desert Plants with Red Brome (Bromus rubens): Toward Identifying Invasion-Reducing Species. *Invasive Plant Science and Management*, **2011**, 4, 115-124	1	23
32	Factors affecting exotic annual plant cover and richness along roadsides in the eastern Mojave Desert, USA. *Journal of Arid Environments*, **2010**, 74, 702-707	2.5	36
31	Disturbance and plant succession in the Mojave and Sonoran deserts of the American Southwest. *International Journal of Environmental Research and Public Health*, **2010**, 7, 1248-84	4.6	61
30	Thinning pine plantations to reestablish oak openings species in northwestern Ohio. *Environmental Management*, **2010**, 46, 391-403	3.1	11
29	Smoke-Cued Emergence in Plant Species of Ponderosa Pine Forests: Contrasting Greenhouse and Field Results. *Fire Ecology*, **2009**, 5, 22-37	5.1	5
28	Planting Trials in Northern Arizona Ponderosa Pine Forests. *Ecological Restoration*, **2009**, 27, 290-299		1

27	Assessing an exotic plant surveying program in the Mojave Desert, Clark County, Nevada, USA. *Environmental Monitoring and Assessment*, **2009**, 151, 221-30	3.1	27
26	Post-fire plant recovery in the Mojave and Sonoran Deserts of western North America. *Journal of Arid Environments*, **2009**, 73, 699-707	2.5	41
25	Early Post-Fire Plant Establishment on a Mojave Desert Burn. *Madroño*, **2009**, 56, 137-148	0.4	22
24	Spatial variation in reference conditions: historical tree density and pattern on a Pinus ponderosa landscape. *Canadian Journal of Forest Research*, **2009**, 39, 2391-2403	1.9	46
23	Using a diverse seed mix to establish native plants on a Sonoran Desert burn. *Native Plants Journal*, **2009**, 10, 21-31	0.6	5
22	A Unique Old-Growth Ponderosa Pine Forest in Northern Arizona. *Journal of the Arizona-Nevada Academy of Science*, **2008**, 40, 1-11	0	6
21	Canopy-tree influences along a soil parent material gradient in Pinus ponderosa-Quercus gambelii forests, northern Arizona. *Journal of the Torrey Botanical Society*, **2008**, 135, 26-36	0.5	8
20	A systematic review of wild burro grazing effects on Mojave Desert vegetation, USA. *Environmental Management*, **2008**, 41, 809-19	3.1	19
19	Seed banks of an Arizona Pinus ponderosa landscape: responses to environmental gradients and fire cues. *Canadian Journal of Forest Research*, **2007**, 37, 552-567	1.9	14
18	Estimating Organic Carbon from Loss-On-Ignition in Northern Arizona Forest Soils. *Soil Science Society of America Journal*, **2007**, 71, 545-550	2.5	43
17	Past, Present, and Future Old Growth in Frequent-fire Conifer Forests of the Western United States. *Ecology and Society*, **2007**, 12,	4.1	24
16	Mid-Spring Burning Reduces Spotted Knapweed and Increases Native Grasses during a Michigan Experimental Grassland Establishment. *Restoration Ecology*, **2007**, 15, 118-128	3.1	20
15	Species richness and soil properties in Pinus ponderosa forests: A structural equation modeling analysis. *Journal of Vegetation Science*, **2007**, 18, 231-242	3.1	23
14	Abiotic and biotic factors explain independent gradients of plant community composition in ponderosa pine forests. *Ecological Modelling*, **2007**, 205, 231-240	3	51
13	FOREST-FLOOR TREATMENTS IN ARIZONA PONDEROSA PINE RESTORATION ECOSYSTEMS: NO SHORT-TERM EFFECTS ON PLANT COMMUNITIES. *Western North American Naturalist*, **2007**, 67, 120-132	0.4	5
12	Public Land Acquisition and Ecological Restoration: an Example from Northwest Ohio's Oak Openings Region. *Natural Areas Journal*, **2007**, 27, 92-97	0.8	6
11	Species richness and soil properties in Pinus ponderosa forests: A structural equation modeling analysis. *Journal of Vegetation Science*, **2007**, 18, 231	3.1	13
10	Effects of Smoke and Fire-related Cues on Penstemon barbatus Seeds. *American Midland Naturalist*, **2006**, 155, 404-410	0.7	3

9	Forest ecosystems of an Arizona Pinus ponderosa landscape: multifactor classification and implications for ecological restoration. *Journal of Biogeography*, **2006**, 33, 1368-1383	4.1	25
8	Monitoring an Arizona Ponderosa Pine Restoration: Sampling Efficiency and Multivariate Analysis of Understory Vegetation. *Restoration Ecology*, **2004**, 12, 359-367	3.1	33
7	Ecological Species Groups of South Carolina's Jocassee Gorges, Southern Appalachian Mountains. *Journal of the Torrey Botanical Society*, **2004**, 131, 220	0.5	12
6	Quantifying Ecosystem Geomorphology of the Southern Appalachian Mountains. *Physical Geography*, **2003**, 24, 488-501	1.8	9
5	Multifactor classification of forest landscape ecosystems of Jocassee Gorges, southern Appalachian Mountains, South Carolina. *Canadian Journal of Forest Research*, **2003**, 33, 1933-1946	1.9	21
4	Restoring Historic Plant Communities in the Oak Openings Region of Northwest Ohio. *Ecological Restoration*, **2001**, 19, 155-160	1.1	18
3	Status and management of non-native plant invasion in three of the largest national parks in the United States. *Nature Conservation*,10, 71-94		6
2	Forest community structure and composition following containment treatments for the fungal pathogen oak wilt. *Biological Invasions*,1	2.7	
1	Biotic and abiotic treatments as a bet-hedging approach to restoring plant communities and soil functions. *Restoration Ecology*,e13527	3.1	