

# Scott Abella

## List of Publications by Citations

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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	Rapidly restoring biological soil crusts and ecosystem functions in a severely disturbed desert ecosystem <b>2016</b> , 26, 1260-72		79
97	Ten years of vegetation assembly after a North American mega fire. <i>Global Change Biology</i> , <b>2015</b> , 21, 789-802	11.4	69
96	Disturbance and plant succession in the Mojave and Sonoran deserts of the American Southwest. <i>International Journal of Environmental Research and Public Health</i> , <b>2010</b> , 7, 1248-84	4.6	61
95	Vegetation recovery in a desert landscape after wildfires: influences of community type, time since fire and contingency effects. <i>Journal of Applied Ecology</i> , <b>2011</b> , 48, 1401-1410	5.8	54
94	Effects of tree cutting and fire on understory vegetation in mixed conifer forests. <i>Forest Ecology and Management</i> , <b>2015</b> , 335, 281-299	3.9	51
93	Abiotic and biotic factors explain independent gradients of plant community composition in ponderosa pine forests. <i>Ecological Modelling</i> , <b>2007</b> , 205, 231-240	3	51
92	Spatial variation in reference conditions: historical tree density and pattern on a Pinus ponderosa landscape. <i>Canadian Journal of Forest Research</i> , <b>2009</b> , 39, 2391-2403	1.9	46
91	Sustainability of utility-scale solar energy [critical ecological concepts]. <i>Frontiers in Ecology and the Environment</i> , <b>2017</b> , 15, 385-394	5.5	44
90	Estimating Organic Carbon from Loss-On-Ignition in Northern Arizona Forest Soils. <i>Soil Science Society of America Journal</i> , <b>2007</b> , 71, 545-550	2.5	43
89	Post-fire plant recovery in the Mojave and Sonoran Deserts of western North America. <i>Journal of Arid Environments</i> , <b>2009</b> , 73, 699-707	2.5	41
88	Factors affecting exotic annual plant cover and richness along roadsides in the eastern Mojave Desert, USA. <i>Journal of Arid Environments</i> , <b>2010</b> , 74, 702-707	2.5	36
87	Identifying Native Vegetation for Reducing Exotic Species during the Restoration of Desert Ecosystems. <i>Restoration Ecology</i> , <b>2012</b> , 20, 781-787	3.1	35
86	Monitoring an Arizona Ponderosa Pine Restoration: Sampling Efficiency and Multivariate Analysis of Understory Vegetation. <i>Restoration Ecology</i> , <b>2004</b> , 12, 359-367	3.1	33
85	Long-term response of a Mojave Desert winter annual plant community to a whole-ecosystem atmospheric CO2 manipulation (FACE). <i>Global Change Biology</i> , <b>2014</b> , 20, 879-92	11.4	30
84	Assessing an exotic plant surveying program in the Mojave Desert, Clark County, Nevada, USA. <i>Environmental Monitoring and Assessment</i> , <b>2009</b> , 151, 221-30	3.1	27
83	Effectiveness of Exotic Plant Treatments on National Park Service Lands in the United States. <i>Invasive Plant Science and Management</i> , <b>2014</b> , 7, 147-163	1	26
82	Ecological Characteristics of Sites Invaded by Buffelgrass ( <i>Pennisetum ciliare</i> ). <i>Invasive Plant Science and Management</i> , <b>2012</b> , 5, 443-453	1	26

81	Forest ecosystems of an Arizona <i>Pinus ponderosa</i> landscape: multifactor classification and implications for ecological restoration. <i>Journal of Biogeography</i> , <b>2006</b> , 33, 1368-1383	4.1	25
80	Past, Present, and Future Old Growth in Frequent-fire Conifer Forests of the Western United States. <i>Ecology and Society</i> , <b>2007</b> , 12,	4.1	24
79	Relationships of Native Desert Plants with Red Brome ( <i>Bromus rubens</i> ): Toward Identifying Invasion-Reducing Species. <i>Invasive Plant Science and Management</i> , <b>2011</b> , 4, 115-124	1	23
78	Species richness and soil properties in <i>Pinus ponderosa</i> forests: A structural equation modeling analysis. <i>Journal of Vegetation Science</i> , <b>2007</b> , 18, 231-242	3.1	23
77	Climate, trees, pests, and weeds: Change, uncertainty, and biotic stressors in eastern U.S. national park forests. <i>Forest Ecology and Management</i> , <b>2014</b> , 327, 31-39	3.9	22
76	Early Post-Fire Plant Establishment on a Mojave Desert Burn. <i>Madroño</i> , <b>2009</b> , 56, 137-148	0.4	22
75	Characterizing soil seed banks and relationships to plant communities. <i>Plant Ecology</i> , <b>2013</b> , 214, 703-715	1.7	21
74	Multifactor classification of forest landscape ecosystems of Jocassee Gorges, southern Appalachian Mountains, South Carolina. <i>Canadian Journal of Forest Research</i> , <b>2003</b> , 33, 1933-1946	1.9	21
73	Mid-Spring Burning Reduces Spotted Knapweed and Increases Native Grasses during a Michigan Experimental Grassland Establishment. <i>Restoration Ecology</i> , <b>2007</b> , 15, 118-128	3.1	20
72	A systematic review of wild burro grazing effects on Mojave Desert vegetation, USA. <i>Environmental Management</i> , <b>2008</b> , 41, 809-19	3.1	19
71	Responses of native and non-native Mojave Desert winter annuals to soil disturbance and water additions. <i>Biological Invasions</i> , <b>2012</b> , 14, 215-227	2.7	18
70	Restoring Historic Plant Communities in the Oak Openings Region of Northwest Ohio. <i>Ecological Restoration</i> , <b>2001</b> , 19, 155-160	1.1	18
69	Annual-perennial plant relationships and species selection for desert restoration. <i>Journal of Arid Land</i> , <b>2013</b> , 5, 298-309	2.2	15
68	Biophysical Correlates with the Distribution of the Invasive Annual Red Brome ( <i>Bromus rubens</i> ) on a Mojave Desert Landscape. <i>Invasive Plant Science and Management</i> , <b>2012</b> , 5, 47-56	1	15
67	Restoring a desert ecosystem using soil salvage, revegetation, and irrigation. <i>Journal of Arid Environments</i> , <b>2015</b> , 115, 44-52	2.5	14
66	Seed banks of an Arizona <i>Pinus ponderosa</i> landscape: responses to environmental gradients and fire cues. <i>Canadian Journal of Forest Research</i> , <b>2007</b> , 37, 552-567	1.9	14
65	Soil, vegetation, and seed bank of a Sonoran Desert ecosystem along an exotic plant ( <i>Pennisetum ciliare</i> ) treatment gradient. <i>Environmental Management</i> , <b>2013</b> , 52, 946-57	3.1	13
64	Climatic Change and Desert Vegetation Distribution: Assessing Thirty Years of Change in Southern Nevada's Mojave Desert. <i>Professional Geographer</i> , <b>2014</b> , 66, 311-322	1.7	13

63	Species richness and soil properties in <i>Pinus ponderosa</i> forests: A structural equation modeling analysis. <i>Journal of Vegetation Science</i> , <b>2007</b> , 18, 231	3.1	13
62	Ecological Species Groups of South Carolina's Jocassee Gorges, Southern Appalachian Mountains. <i>Journal of the Torrey Botanical Society</i> , <b>2004</b> , 131, 220	0.5	12
61	Soil development in vegetation patches of <i>Pinus ponderosa</i> forests: Interface with restoration thinning and carbon storage. <i>Forest Ecology and Management</i> , <b>2013</b> , 310, 632-642	3.9	11
60	Restoring and conserving rare native ecosystems: A 14-year plantation removal experiment. <i>Biological Conservation</i> , <b>2017</b> , 212, 265-273	6.2	11
59	Post-fire recovery of desert bryophyte communities: effects of fires and propagule soil banks. <i>Journal of Vegetation Science</i> , <b>2014</b> , 25, 447-456	3.1	11
58	Estimating wildfire risk on a Mojave Desert landscape using remote sensing and field sampling. <i>International Journal of Wildland Fire</i> , <b>2013</b> , 22, 770	3.2	11
57	Thinning pine plantations to reestablish oak openings species in northwestern Ohio. <i>Environmental Management</i> , <b>2010</b> , 46, 391-403	3.1	11
56	The good with the bad: when ecological restoration facilitates native and non-native species. <i>Restoration Ecology</i> , <b>2019</b> , 27, 343-351	3.1	10
55	Treatment Alternatives and Timing Affect Seeds of African Mustard ( <i>Brassica tournefortii</i> ), an Invasive Forb in American Southwest Arid Lands. <i>Invasive Plant Science and Management</i> , <b>2013</b> , 6, 559-567		9
54	Soil Seed Banks of the Exotic Annual Grass <i>Bromus rubens</i> on a Burned Desert Landscape. <i>Rangeland Ecology and Management</i> , <b>2013</b> , 66, 157-163	2.2	9
53	Relationships of exotic plant communities with native vegetation, environmental factors, disturbance, and landscape ecosystems of <i>Pinus ponderosa</i> forests, USA. <i>Forest Ecology and Management</i> , <b>2012</b> , 271, 65-74	3.9	9
52	Quantifying Ecosystem Geomorphology of the Southern Appalachian Mountains. <i>Physical Geography</i> , <b>2003</b> , 24, 488-501	1.8	9
51	Outplanting but not seeding establishes native desert perennials. <i>Native Plants Journal</i> , <b>2012</b> , 13, 81-90	0.6	9
50	Forest change over 155 years along biophysical gradients of forest composition, environment, and anthropogenic disturbance. <i>Forest Ecology and Management</i> , <b>2015</b> , 348, 196-207	3.9	8
49	Forest decline after a 15-year perfect storm of invasion by hemlock woolly adelgid, drought, and hurricanes. <i>Biological Invasions</i> , <b>2018</b> , 20, 695-707	2.7	8
48	Soil seed banks in a mature coniferous forest landscape: dominance of native perennials and low spatial variability. <i>Seed Science Research</i> , <b>2012</b> , 22, 207-217	1.3	8
47	Canopy-tree influences along a soil parent material gradient in <i>Pinus ponderosa</i> - <i>Quercus gambelii</i> forests, northern Arizona. <i>Journal of the Torrey Botanical Society</i> , <b>2008</b> , 135, 26-36	0.5	8
46	Diverse responses across soil parent materials during ecological restoration. <i>Restoration Ecology</i> , <b>2015</b> , 23, 113-121	3.1	7

45	Overstory-Understory Relationships along Forest Type and Environmental Gradients in the Spring Mountains of Southern Nevada, USA. <i>Folia Geobotanica</i> , <b>2012</b> , 47, 119-134	1.4	7
44	Enhancing and Restoring Habitat for the Desert Tortoise. <i>Journal of Fish and Wildlife Management</i> , <b>2016</b> , 7, 255-279	0.7	7
43	Testing the hypothesis of hierarchical predictability in ecological restoration and succession. <i>Oecologia</i> , <b>2018</b> , 186, 541-553	2.9	7
42	Fourteen years of swamp forest change from the onset, during, and after invasion of emerald ash borer. <i>Biological Invasions</i> , <b>2019</b> , 21, 3685-3696	2.7	6
41	A Unique Old-Growth Ponderosa Pine Forest in Northern Arizona. <i>Journal of the Arizona-Nevada Academy of Science</i> , <b>2008</b> , 40, 1-11	0	6
40	Public Land Acquisition and Ecological Restoration: an Example from Northwest Ohio's Oak Openings Region. <i>Natural Areas Journal</i> , <b>2007</b> , 27, 92-97	0.8	6
39	Status and management of non-native plant invasion in three of the largest national parks in the United States. <i>Nature Conservation</i> , <b>10</b> , 71-94		6
38	Enhancing Quality of Desert Tortoise Habitat: Augmenting Native Forage and Cover Plants. <i>Journal of Fish and Wildlife Management</i> , <b>2015</b> , 6, 278-289	0.7	6
37	Soil seed bank assay methods influence interpretation of non-native plant management. <i>Applied Vegetation Science</i> , <b>2018</b> , 21, 626-635	3.3	6
36	Conserving Large Oaks and Recruitment Potential while Restoring Midwestern Savanna and Woodland. <i>American Midland Naturalist</i> , <b>2017</b> , 177, 309-317	0.7	5
35	An ecosystem classification approach to assessing forest change in the southern Appalachian Mountains. <i>Forest Ecology and Management</i> , <b>2014</b> , 323, 85-97	3.9	5
34	Smoke-Cued Emergence in Plant Species of Ponderosa Pine Forests: Contrasting Greenhouse and Field Results. <i>Fire Ecology</i> , <b>2009</b> , 5, 22-37	5.1	5
33	FOREST-FLOOR TREATMENTS IN ARIZONA PONDEROSA PINE RESTORATION ECOSYSTEMS: NO SHORT-TERM EFFECTS ON PLANT COMMUNITIES. <i>Western North American Naturalist</i> , <b>2007</b> , 67, 120-132	0.4	5
32	Using a diverse seed mix to establish native plants on a Sonoran Desert burn. <i>Native Plants Journal</i> , <b>2009</b> , 10, 21-31	0.6	5
31	Resistance and Resilience to Natural Disturbance during Ecological Restoration. <i>Ecological Restoration</i> , <b>2018</b> , 36, 284-294	1.1	5
30	Assessing historical and future habitat models for four conservation-priority Mojave Desert species. <i>Journal of Biogeography</i> , <b>2019</b> , 46, 2081-2097	4.1	4
29	Persistence and turnover in desert plant communities during a 37-yr period of land use and climate change. <i>Ecological Monographs</i> , <b>2019</b> , 89, e01390	9	4
28	Influences of Wildfires on Organic Carbon, Total Nitrogen, and Other Properties of Desert Soils. <i>Soil Science Society of America Journal</i> , <b>2013</b> , 77, 1806-1817	2.5	4

27	Unusually high-quality soil seed banks in a Midwestern U.S. oak savanna region: variation with land use history, habitat restoration, and soil properties. <i>Restoration Ecology</i> , <b>2020</b> , 28, 1100-1112	3.1	3
26	Plant colonization and soil properties on newly exposed shoreline during drawdown of Lake Mead, Mojave Desert. <i>Lake and Reservoir Management</i> , <b>2014</b> , 30, 105-114	1.3	3
25	Effects of Smoke and Fire-related Cues on Penstemon barbatus Seeds. <i>American Midland Naturalist</i> , <b>2006</b> , 155, 404-410	0.7	3
24	Rapid and transient changes during 20 years of restoration management in savanna-woodland-prairie habitats threatened by woody plant encroachment. <i>Plant Ecology</i> , <b>2020</b> , 221, 1201-1217	1.7	3
23	Developing methods of assisted natural regeneration for restoring foundational desert plants. <i>Arid Land Research and Management</i> , <b>2020</b> , 34, 231-237	1.8	3
22	Seed germination of a rare gypsum-associated species, <i>Arctomecon californica</i> (Papaveraceae), in the Mojave Desert. <i>Journal of Arid Environments</i> , <b>2021</b> , 184, 104313	2.5	3
21	Revegetating Disturbance in National Parks: Reestablishing Native Plants in Saguaro National Park, Sonoran Desert. <i>Natural Areas Journal</i> , <b>2015</b> , 35, 18-25	0.8	2
20	A hierarchical analysis of vegetation on a Mojave Desert landscape, USA. <i>Journal of Arid Environments</i> , <b>2012</b> , 78, 135-143	2.5	2
19	CoverBiomass relationships of an invasive annual grass, <i>Bromus rubens</i> , in the Mojave Desert. <i>Invasive Plant Science and Management</i> , <b>2020</b> , 13, 288-292	1	2
18	Predicting Post-Fire Tree Survival for Restoring Oak Ecosystems. <i>Ecological Restoration</i> , <b>2019</b> , 37, 72-76	1.1	2
17	Unexpected side effects in biocrust after treating non-native plants using carbon addition. <i>Restoration Ecology</i> , <b>2020</b> , 28, S32	3.1	2
16	Badlands, Seed Banks, and Community Disassembly. <i>Rangeland Ecology and Management</i> , <b>2019</b> , 72, 736-741	1.4	1
15	Distribution of exotic plant species and relationship to vegetation type at Bryce Canyon National Park, USA. <i>Landscape and Urban Planning</i> , <b>2013</b> , 120, 48-58	7.7	1
14	Planting Trials in Northern Arizona Ponderosa Pine Forests. <i>Ecological Restoration</i> , <b>2009</b> , 27, 290-299		1
13	The aboveground and belowground growth characteristics of juvenile conifers in the southwestern United States. <i>Ecosphere</i> , <b>2021</b> , 12, e03839	3.1	1
12	Changes in trees, groundlayer diversity, and deer-preferred plants across 18 years in oak ( <i>Quercus</i> , Fagaceae) forests of northwestern Ohio <sup>1,2</sup> . <i>Journal of the Torrey Botanical Society</i> , <b>2020</b> , 147,	0.5	1
11	Developing minimal-input techniques for invasive plant management: perimeter treatments enlarge native grass patches. <i>Invasive Plant Science and Management</i> , <b>2020</b> , 13, 108-113	1	0
10	Delayed Tree Mortality After Prescribed Fires in Mixed Oak Forests in Northwestern Ohio. <i>Forest Science</i> , <b>2021</b> , 67, 412-418	1.4	0

- 9 Watercourse-Upland and Elevational Gradients in Spring Vegetation of a Mojave-Great Basin Desert Landscape. *Natural Areas Journal*, **2014**, 34, 79-91 0.8
- 8 How Many Arizona Walnut Trees Inhabit Walnut Canyon National Monument?. *Southwestern Naturalist*, **2017**, 62, 157-161 0.3
- 7 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
- 6 Restoring Desert Ecosystems **2017**, 158-172
- 5 Forest community structure and composition following containment treatments for the fungal pathogen oak wilt. *Biological Invasions*, 1 2.7
- 4 Biotic and abiotic treatments as a bet-hedging approach to restoring plant communities and soil functions. *Restoration Ecology*, e13527 3.1
- 3 Co-Variation among Vegetation Structural Layers in Forested Wetlands. *Wetlands*, **2021**, 41, 1 1.7
- 2 Outplanting establishment within a contaminated and nonnative invaded semiarid desert riparian corridor. *Ecological Engineering*, **2022**, 179, 106598 3.9
- 1 Baseline Climate Grid Resolution and Climate Time Step Impacts on Desert Vegetation Habitat Models **2022**, 277-300