Jeff G Skousen

List of Publications by Citations

76 papers	1,916 citations	24 h-index	42 g-index
82 ext. papers	2,177 ext. citations	2.7 avg, IF	5.03 L-index

#	Paper	IF	Citations
76	Restoring forests and associated ecosystem services on appalachian coal surface mines. *Environmental Management*, **2011**, 47, 751-65	3.1	204
75	Review of Passive Systems for Acid Mine Drainage Treatment. *Mine Water and the Environment*, **2017**, 36, 133-153	2.4	196
74	Forest restoration following surface mining disturbance: challenges and solutions. *New Forests*, **2015**, 46, 703-732	2.6	191
73	Ameliorants to immobilize Cd in rice paddy soils contaminated by abandoned metal mines in Korea. *Environmental Geochemistry and Health*, **2011**, 33 Suppl 1, 23-30	4.7	119
72	Acid-base accounting to predict post-mining drainage quality on surface mines. *Journal of Environmental Quality*, **2002**, 31, 2034-44	3.4	73
71	Neutralization Potential of Overburden Samples Containing Siderite. *Journal of Environmental Quality*, **1997**, 26, 673-681	3.4	66
70	Acid mine drainage formation, control and treatment: Approaches and strategies. *The Extractive Industries and Society*, **2019**, 6, 241-249	3.2	60
69	Rebuilding Soils on Mined Land for Native Forests in Appalachia. *Soil Science Society of America Journal*, **2013**, 77, 337-349	2.5	55
68	Influence of herbaceous ground cover on forest restoration of eastern US coal surface mines. *New Forests*, **2012**, 43, 905-924	2.6	54
67	Survival and growth of hardwoods in brown versus gray sandstone on a surface mine in West Virginia. *Journal of Environmental Quality*, **2009**, 38, 1821-9	3.4	47
66	Soil Organic Carbon Molecular Properties: Effects of Time Since Reclamation in a Minesoil Chronosequence. *Land Degradation and Development*, **2015**, 26, 237-248	4.4	46
65	Post-mining policies and practices in the Eastern USA coal region. *International Journal of Coal Science and Technology*, **2014**, 1, 135-151	4.5	44
64	Predicting total dissolved solids release from central Appalachian coal mine spoils. *Environmental Pollution*, **2016**, 216, 371-379	9.3	39
63	Use of coal combustion by-products in mine reclamation: review of case studies in the USA. *Geosystem Engineering*, **2012**, 15, 71-83	1.2	38
62	Hardwood tree survival in heavy ground cover on reclaimed land in West Virginia: mowing and ripping effects. *Journal of Environmental Quality*, **2009**, 38, 1400-9	3.4	36
61	Review of fly ash as a soil amendment. *Geosystem Engineering*, **2013**, 16, 249-256	1.2	35
60	Tree recruitment and growth on 20-year-old, unreclaimed surface mined lands in West Virginia. *International Journal of Mining, Reclamation and Environment*, **2006**, 20, 142-154	2.2	34

59	Soil nutrient bioavailability and nutrient content of pine trees (Pinus thunbergii) in areas impacted by acid deposition in Korea. *Environmental Monitoring and Assessment*, **2009**, 157, 43-50	3.1	33
58	Influent Water Quality Affects Performance of Passive Treatment Systems for Acid Mine Drainage. *Mine Water and the Environment*, **2010**, 29, 135-143	2.4	33
57	Switchgrass and Giant Miscanthus Biomass and Theoretical Ethanol Production from Reclaimed Mine Lands. *Bioenergy Research*, **2018**, 11, 562-573	3.1	30
56	Longevity of acid discharges from underground mines located above the regional water table. *Journal of Environmental Quality*, **2004**, 33, 656-68	3.4	30
55	Acid Mine Drainage Control and Treatment. *Agronomy*, **2015**, 131-168	0.8	27
54	PERFORMANCE OF 116 PASSIVE TREATMENT SYSTEMS FOR ACID MINE DRAINAGE. *Journal of the American Society of Mining and Reclamation*, **2005**, 2005, 1100-1133	2.5	25
53	Hardwood tree growth after eight years on brown and gray mine soils in west virginia. *Journal of Environmental Quality*, **2013**, 42, 1353-62	3.4	24
52	Switchgrass yield on reclaimed surface mines for bioenergy production. *Journal of Environmental Quality*, **2013**, 42, 696-703	3.4	23
51	Hardwood tree growth on amended mine soils in west virginia. *Journal of Environmental Quality*, **2013**, 42, 1363-71	3.4	22
50	Switchgrass Biofuel Production on Reclaimed Surface Mines: I. Soil Quality and Dry Matter Yield. *Bioenergy Research*, **2016**, 9, 31-39	3.1	18
49	Soil biochemical properties in brown and gray mine soils with and without hydroseeding. *Soil*, **2015**, 1, 621-629	5.8	18
48	Bulk Density of Rocky Mine Soils in Forestry Reclamation. *Soil Science Society of America Journal*, **2012**, 76, 1810-1815	2.5	16
47	Nutrient concentrations in tree leaves on brown and gray reclaimed mine soils in West Virginia. *Science of the Total Environment*, **2014**, 481, 418-24	10.2	15
46	A methodology for geologic testing for land disturbance: Acid-Base Accounting for surface mines. *Geoderma*, **2017**, 308, 302-311	6.7	14
45	Comparison of international mine reclamation bonding systems with recommendations for China. *International Journal of Coal Science and Technology*, **2017**, 4, 67-79	4.5	13
44	Survival and growth of chestnut backcross seeds and seedlings on surface mines. *Journal of Environmental Quality*, **2013**, 42, 690-5	3.4	13
43	Longevity of Acid Discharges from Underground Mines Located above the Regional Water Table. *Journal of Environmental Quality*, **2004**, 33, 656	3.4	13
42	Physical Properties of Minesoils in West Virginia and Their Influence on Wastewater Treatment. *Journal of Environmental Quality*, **1998**, 27, 633-639	3.4	13

41	Acidity decay of above-drainage underground mines in West Virginia. *Journal of Environmental Quality*, **2010**, 39, 1043-50	3.4	12
40	Land Use Effects on Sample Size Requirements for Soil Organic Carbon Stock Estimations. *Soil Science*, **2011**, 176, 110-114	0.9	10
39	Early C Sequestration Rate Changes for Reclaimed Minesoils. *Soil Science*, **2012**, 177, 443-450	0.9	10
38	Trace Element Concentrations of Three Soils in Central Appalachia. *Soil Horizons*, **2004**, 45, 73		10
37	ESTABLISHMENT AND GROWTH OF SWITCHGRASS AND OTHER BIOMASS CROPS ON SURFACE MINES. *Journal of the American Society of Mining and Reclamation*, **2014**, 136-156	2.5	10
36	Acid soil indicators in forest soils of the Cherry River Watershed, West Virginia. *Environmental Monitoring and Assessment*, **2009**, 158, 343-53	3.1	9
35	SELECTING TOPSOIL SUBSTITUTES FOR FORESTRY MINE SOILS. *Journal of the American Society of Mining and Reclamation*, **2011**, 2011, 591-609	2.5	9
34	Switchgrass Biofuel Production on Reclaimed Surface Mines: II. Feedstock Quality and Theoretical Ethanol Production. *Bioenergy Research*, **2016**, 9, 40-49	3.1	9
33	Plantation performance of chestnut hybrids and progenitors on reclaimed Appalachian surface mines. *New Forests*, **2018**, 49, 599-611	2.6	8
32	Water quality changes in a polluted stream over a twenty-five-year period. *Journal of Environmental Quality*, **2003**, 32, 654-61	3.4	8
31	RECLAMATION OF MINED LAND WITH SWITCHGRASS, MISCANTHUS, AND ARUNDO FOR BIOFUEL PRODUCTION. *Journal of the American Society of Mining and Reclamation*, **2013**, 2, 177-191	2.5	8
30	Early Tree Growth in Reclaimed Mine Soils in Appalachia USA. *Forests*, **2019**, 10, 549	2.8	7
29	Overview of Acid Mine Drainage Treatment with Chemicals **2014**, 325-337		7
28	Forest Productivity aud Minesoil Development Under A White Pine Plantation Versus Natural Vegetation After 30 Years. *Journal of the American Society of Mining and Reclamation*, **2001**, 2001, 103-111	2.5	6
27	Soils on Appalachian Coal-Mined Lands **2021**, 85-109		6
26	Predicting release of total dissolved solids from overburden material using acid-base accounting parameters. *Geochemistry: Exploration, Environment, Analysis*, **2015**, 15, 131-137	1.8	5
25	Chemical and Physical Properties of Overburdens and Minesoils. *Agronomy*, **2015**, 77-104	0.8	5
24	Conversion Options for Mining-Affected Lands and Waters in Appalachia **2021**, 167-192		5

23	WATER QUALITY CHANGES AND COSTS OF REMINING IN PENNSYLVANIA AND WEST VIRGINIA. *Journal of the American Society of Mining and Reclamation*, **1997**, 1997, 64-76	2.5	5
22	Steel Slag in Acid Mine Drainage Treatment and Control. *Journal of the American Society of Mining and Reclamation*, **1999**, 1999, 651-656	2.5	5
21	Sustainable reclamation and water management practices **2019**, 271-302		5
20	The Early Development of Passive Treatment Systems for Mining-Influenced Water: A North American Perspective. *Mine Water and the Environment*,1	2.4	5
19	Soil microbial succession following surface mining is governed primarily by deterministic factors. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	4
18	Passive Treatment of Acid Mine Drainage **2014**, 339-353		4
17	Water Quality Changes in a Polluted Stream over a Twenty-Five-Year Period. *Journal of Environmental Quality*, **2003**, 32, 654	3.4	4
16	Early growth and survival of shrub willow on newly reclaimed mine soil. *New Forests*, **2020**, 51, 1087-1099	2.6	3
15	Alkaline Overburden Addition to Acid-Producing Materials to Prevent Acid Mine Drainage. *Journal of the American Society of Mining and Reclamation*, **1994**, 1994, 375-381	2.5	3
14	Characterization of Soil Developing in Reclaimed Upper Freeport Coal Surface Mines. *Southeastern Naturalist*, **2015**, 14, 58-64	0.4	2
13	Covering Pre-existing, Acid-producing Fills with Alkaline Sandstone to Control Acid Mine Drainage. *Mine Water and the Environment*, **2008**, 27, 259-264	2.4	2
12	RELEASE OF NUTRIENTS FROM BROWN AND GRAY SANDSTONE SOIL SUBSTITUTES IN SOUTHERN WEST VIRGINIA. *Journal of the American Society of Mining and Reclamation*, **2010**, 2010, 1135-1143	2.5	2
11	SWITCHGRASS POTENTIAL ON RECLAIMED SURFACE MINES FOR BIOFUEL PRODUCTION IN WEST VIRGINIA. *Journal of the American Society of Mining and Reclamation*, **2012**, 2012, 325-346	2.5	2
10	HYDRAULIC CONDUCTIVITY OF ASH MIXTURES AND METAL RELEASE UPON LEACHING. *Journal of the American Society of Mining and Reclamation*, **1997**, 1997, 480-495	2.5	2
9	Effect of Flow Rate on Acidity Concentration from Above-Drainage Underground Mines. *Mine Water and the Environment*, **2015**, 34, 50-58	2.4	1
8	Survival and growth of 20 species of trees and shrubs on Appalachian surface mines. *Land Degradation and Development*, **2018**, 29, 1683-1693	4.4	1
7	Coal Mining and Reclamation in Appalachia **2021**, 55-83		1
6	Coal's legacy in Appalachia: Lands, waters, and people. *The Extractive Industries and Society*, **2021**, 100990	3.2	1

5	Mine soil health on surface mined lands reclaimed to grassland. *Geoderma*, **2022**, 413, 115764	6.7	0
4	The Appalachian Coalfields Energy Transition and Prospects **2021**, 337-351		
3	Coal's legacy in Appalachia. *The Extractive Industries and Society*, **2021**, 8, 101005	3.2	
2	RE-ESTABLISHING AMERICAN CHESTNUT ON MINED LANDS IN THE APPALACHIAN COALFIELDS. *Journal of Environmental Solutions for Oil Gas and Mining*, **2018**, 4, 11-19	0	
1	Acid Mine Drainage: Sources and Treatment in the United States **2019**, 1-10		