Kenneth A Barbarick

List of Publications by Year
in descending order

57	1,964	218592	254106
papers	citations	26 h-index	43 g-index

57	57	57	1360
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Growing Need for Agriculture Experts. Science, 2012, 335, 917-917.	6.0	1
2	Biosolids application to no-till dryland agroecosystems. Agriculture, Ecosystems and Environment, 2012, 150, 72-81.	2.5	20
3	Drinking Water Treatment Residuals: A Review of Recent Uses. Journal of Environmental Quality, 2011, 40, 1-12.	1.0	264
4	A new Nitrogen Index to evaluate nitrogen losses in intensive forage systems in Mexico. Agriculture, Ecosystems and Environment, 2011, 142, 352-364.	2.5	17
5	Accumulation of Late-Applied Nitrogen and Root Dynamics during Grain Filling in Irrigated Spring Wheat. Communications in Soil Science and Plant Analysis, 2011, 42, 2235-2249.	0.6	2
6	Fifteen years of wheat yield, N uptake, and soil nitrateâ€"N dynamics in a biosolids-amended agroecosystem. Agriculture, Ecosystems and Environment, 2010, 139, 116-120.	2.5	21
7	Water Treatment Residuals and Biosolids Longâ€Term Coâ€Applications Effects to Semiâ€Arid Grassland Soils and Vegetation. Soil Science Society of America Journal, 2009, 73, 1880-1889.	1.2	18
8	Economic Value of Biosolids in a Semiarid Agroecosystem. Agronomy Journal, 2009, 101, 933-939.	0.9	21
9	Use of a new GIS nitrogen index assessment tool for evaluation of nitrate leaching across a Mediterranean region. Journal of Hydrology, 2009, 365, 183-194.	2.3	30
10	Selenium adsorption to aluminum-based water treatment residuals. Journal of Colloid and Interface Science, 2009, 338, 48-55.	5.0	95
11	Continuous biosolids application affects grain elemental concentrations in a dryland-wheat agroecosystem. Agriculture, Ecosystems and Environment, 2009, 129, 340-343.	2.5	4
12	Fate of biosolids Cu and Zn in a semi-arid grassland. Agriculture, Ecosystems and Environment, 2009, 131, 325-332.	2.5	12
13	Water Treatment Residuals and Biosolids Coâ€applications Affect Phosphatases in a Semiâ€arid Rangeland Soil. Communications in Soil Science and Plant Analysis, 2008, 39, 2812-2826.	0.6	5
14	New Weighing Method to Measure Shoot Water Interception. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 349-355.	0.6	8
15	PREDICTING SOIL-EXTRACTABLE ZN, P, FE, AND CU IN A BIOSOLIDS-AMENDED DRYLAND WHEAT AGROECOSYSTEM. Soil Science, 2008, 173, 175-185.	0.9	5
16	Fate of Biosolids Trace Metals in a Dryland Wheat Agroecosystem. Journal of Environmental Quality, 2008, 37, 2135-2144.	1.0	12
17	Water Treatment Residuals and Biosolids Coapplications Affect Semiarid Rangeland Phosphorus Cycling. Soil Science Society of America Journal, 2008, 72, 711-719.	1.2	17
18	Nutrient Assessment of a Dryland Wheat Agroecosystem after 12 Years of Biosolids Applications. Agronomy Journal, 2007, 99, 715-722.	0.9	39

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19	Biosolids Impact Soil Phosphorus Accountability, Fractionation, and Potential Environmental Risk. Journal of Environmental Quality, 2007, 36, 764-772.	1.0	29
20	Biosolids Affect Soil Barium in a Dryland Wheat Agroecosystem. Journal of Environmental Quality, 2006, 35, 2333-2341.	1.0	20
21	Phosphorus Extraction Methods for Water Treatment Residualâ€“Amended Soils. Communications in Soil Science and Plant Analysis, 2006, 37, 859-870.	0.6	10
22	Soil Properties Affecting Wheat Yields following Drilling-Fluid Application. Journal of Environmental Quality, 2005, 34, 1687-1696.	1.0	34
23	Plant and Soil Responses to Biosolids Application following Forest Fire. Journal of Environmental Quality, 2004, 33, 873.	1.0	37
24	BIOSOLIDS EFFECTS ON MICROBIAL ACTIVITY IN SHRUBLAND AND GRASSLAND SOILS. Soil Science, 2004, 169, 176-187.	0.9	36
25	Phosphorus Retention Mechanisms of a Water Treatment Residual. Journal of Environmental Quality, 2003, 32, 1857-1864.	1.0	122
26	Termination of Sewage Biosolids Application Affects Wheat Yield and Other Agronomic Characteristics. Agronomy Journal, 2003, 95, 1288-1294.	0.9	14
27	Solution Chemistry Influence on Metal Mobility in Biosolidsâ€Amended Soils. Journal of Environmental Quality, 2002, 31, 1157-1165.	1.0	47
28	Combinations of water treatment residuals and biosolids affect two range grasses. Communications in Soil Science and Plant Analysis, 2002, 33, 831-844.	0.6	11
29	Biosolids Applications Affect Runoff Water Quality following Forest Fire. Journal of Environmental Quality, 2001, 30, 1528-1532.	1.0	31
30	Nitrogen Fertilizer Equivalency of Sewage Biosolids Applied to Dryland Winter Wheat. Journal of Environmental Quality, 2000, 29, 1345-1351.	1.0	35
31	Modified nitric acid plant tissue digest method. Communications in Soil Science and Plant Analysis, 2000, 31, 2473-2482.	0.6	14
32	Coâ€Application Effects of Water Treatment Residuals and Biosolids on Two Range Grasses. Journal of Environmental Quality, 1999, 28, 1644-1650.	1.0	66
33	Drilling Fluid Effects on Crop Growth and Iron and Zinc Availability. Journal of Environmental Quality, 1999, 28, 744-749.	1.0	10
34	Extractable Trace Elements in the Soil Profile after Years of Biosolids Application. Journal of Environmental Quality, 1998, 27, 801-805.	1.0	44
35	Plant Biomass and Elemental Changes in Shrubland Forages following Biosolids Application. Journal of Environmental Quality, 1998, 27, 789-794.	1.0	42
36	Sewage Biosolids Cumulative Effects on Extractableâ€Soil and Grain Elemental Concentrations. Journal of Environmental Quality, 1997, 26, 1696-1702.	1.0	27

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37	Distribution and Mineralization of Biosolids Nitrogen Applied to Dryland Wheat. Journal of Environmental Quality, 1996, 25, 796-801.	1.0	27
38	Biosolids Effect on Phosphorus, Copper, Zinc, Nickel, and Molybdenum Concentrations in Dryland Wheat. Journal of Environmental Quality, 1995, 24, 608-611.	1.0	42
39	Sewage Sludge Application Effects on Runoff Water Quality in a Semiarid Grassland. Journal of Environmental Quality, 1995, 24, 112-115.	1.0	38
40	Sewage Sludge Proteins: I. Extraction Methodology. Journal of Environmental Quality, 1993, 22, 620-624.	1.0	18
41	Sewage Sludge Proteins: II. Extract Characterization. Journal of Environmental Quality, 1993, 22, 625-629.	1.0	9
42	Sewage Sludge Proteins as Labile Carbon and Nitrogen Sources. Soil Science Society of America Journal, 1992, 56, 1470-1476.	1.2	74
43	Distribution and Partitioning of Trace Metals in Contaminated Soils near Leadville, Colorado. Journal of Environmental Quality, 1992, 21, 185-195.	1.0	136
44	POLYHALITE APPLICATION TO SORGHUM-SUDANGRASS AND LEACHING IN SOIL COLUMNS. Soil Science, 1991, 151, 159-166.	0.9	15
45	Tissue Nitrogen Levels For Dryland Hard Red Winter Wheat. Agronomy Journal, 1990, 82, 561-565.	0.9	26
46	Sustainable Rates of Sewage Sludge for Dryland Winter Wheat Production II. Production and Income. Journal of Production Agriculture, 1990, 3, 66-71.	0.4	16
47	Sustainable Rates of Sewage Sludge for Dryland Winter Wheat Production I. Soil Nitrogen and Heavy Metals. Journal of Production Agriculture, 1990, 3, 60-65.	0.4	18
48	Exchange Fertilizer (Phosphate Rock plus Ammonium-Zeolite) Effects on Sorghum-Sudangrass. Soil Science Society of America Journal, 1990, 54, 911-916.	1.2	52
49	Water Treatment Sludge Influence on the Growth of Sorghumâ€Sudangrass. Journal of Environmental Quality, 1989, 18, 292-298.	1.0	76
50	Ammonium Bicarbonate-DTPA and DTPA Extractions of Sludge-amended Soils. Journal of Environmental Quality, 1987, 16, 125-130.	1.0	47
51	Potassium Fertilization of Alfalfa Grown on a Soil High in Potassium 1. Agronomy Journal, 1985, 77, 442-445.	0.9	15
52	Effect of Smallâ€Scale Composting of Sewage Sludge on Heavy Metal Availability to Plants. Journal of Environmental Quality, 1984, 13, 264-268.	1.0	40
53	ERRORS IN CALCULATING THE FLUX OF SODIUM IN SOIL COLUMNS. Soil Science, 1983, 136, 1-9.	0.9	2
54	Ammonium Adsorption by a Zeolite in a Static and a Dynamic System. Journal of Environmental Quality, 1983, 12, 549-552.	1.0	30

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55	Soil nitrate analysis by cadmium reduction. Communications in Soil Science and Plant Analysis, 1981, 12, 79-89.	0.6	48
56	Application of Sewage Effluent to Columns of a Mountain Meadow Soil: I. Errors in Calculating the Transport of Ionic Salts. Soil Science Society of America Journal, 1980, 44, 921-924.	1.2	2
57	Comparison of Various Methods of Sampling Soil Water for Determining Ionic Salts, Sodium, and Calcium Content in Soil Columns. Soil Science Society of America Journal, 1979, 43, 1053-1055.	1.2	13