

Kenneth A Barbarick

List of Publications by Year in descending order

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57
papers

1,964
citations

249298

26
h-index

286692

43
g-index

57
all docs

57
docs citations

57
times ranked

1495
citing authors

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

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

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