Arthur Paul Schwab

List of Publications by Year
in descending order

110 papers	6,676 citations	93792 39 h-index	73587 79 g-index
110 all docs	110 docs citations	110 times ranked	5766 citing authors

#	Article	IF	Citations
1	In situ stabilization of arsenic and LEAD in contaminated soil using ironâ€rich water treatment residuals. Journal of Environmental Quality, 2022, , .	1.0	2
2	Evaluation of internal standards for inductively coupled plasmaâ€mass spectrometric analysis of arsenic in soils. Journal of Environmental Quality, 2022, , .	1.0	1
3	Modeling organically fertilized flooded rice systems and its long-term effects on grain yield and methane emissions. Science of the Total Environment, 2021, 755, 142578.	3.9	19
4	Quantum Chemical Modeling of the Effects of Hydrated Lime (Calcium Hydroxide) as a Filler in Bituminous Materials. ACS Omega, 2021, 6, 3130-3139.	1.6	5
5	Pathways of polycyclic aromatic hydrocarbons assimilation by plants growing in contaminated soils. Advances in Agronomy, 2021, , 193-250.	2.4	4
6	Silica Production across Candidate Lignocellulosic Biorefinery Feedstocks. Agronomy, 2020, 10, 82.	1.3	4
7	Thermodynamic Evaluation of Smectite Treated with Hydrogen Ion Stabilizer. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	6
8	Dalea aurea, D. candida, D. multiflora, and D. purpurea seedling herbage, root nitrogen, and dry matter yield as influenced by soil type, phosphorus amendment, and cowpea Rhizobium inoculant. Native Plants Journal, 2020, 21, 341-352.	0.0	0
9	Impact of brackish groundwater and treated wastewater on soil chemical and mineralogical properties. Science of the Total Environment, 2019, 647, 99-109.	3.9	30
10	Diesel degrading bacterial endophytes with plant growth promoting potential isolated from a petroleum storage facility. 3 Biotech, 2019, 9, 35.	1.1	17
11	Assessment of lead exposure among automobile technicians in Khyber Pakhtunkhwa, Pakistan. Science of the Total Environment, 2018, 633, 293-299.	3.9	26
12	Impact of Nanoparticle Surface Properties on the Attachment of Cerium Oxide Nanoparticles to Sand and Kaolin. Journal of Environmental Quality, 2018, 47, 129-138.	1.0	17
13	Biodegradation of phenol and benzene by endophytic bacterial strains isolated from refinery wastewater-fed Cannabis sativa. Environmental Technology (United Kingdom), 2018, 39, 1705-1714.	1.2	40
14	Mutual effects andin plantaaccumulation of co-existing cerium oxide nanoparticles and cadmium in hydroponically grown soybean (Glycine max(L.) Merr.). Environmental Science: Nano, 2018, 5, 150-157.	2.2	91
15	Bioavailability of cerium oxide nanoparticles to Raphanus sativus L. in two soils. Plant Physiology and Biochemistry, 2017, 110, 185-193.	2.8	44
16	Feasibility of sulfate-calcined eggshells for removing pathogenic bacteria and antibiotic resistance genes from landfill leachates. Waste Management, 2017, 63, 275-283.	3.7	25
17	Uptake, Accumulation, and in Planta Distribution of Coexisting Cerium Oxide Nanoparticles and Cadmium in Glycine max (L.) Merr.. Environmental Science & Technology, 2017, 51, 12815-12824.	4.6	88
18	An evaluation of soil chemistry in human cadaver decomposition islands: Potential for estimating postmortem interval (PMI). Forensic Science International, 2017, 279, 130-139.	1.3	29

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19	Calcined Eggshell Waste for Mitigating Soil Antibiotic-Resistant Bacteria/Antibiotic Resistance Gene Dissemination and Accumulation in Bell Pepper. Journal of Agricultural and Food Chemistry, 2016, 64, 5446-5453.	2.4	24
20	Human migration activities drive the fluctuation of ARGs: Case study of landfills in Nanjing, eastern China. Journal of Hazardous Materials, 2016, 315, 93-101.	6.5	39
21	Thermal Properties of Green Roof Media During Plant Establishment and Growth. , 2011, , .		0
22	Adsorption of iron cyanide complexes onto clay minerals, manganese oxide, and soil. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1391-1396.	0.9	8
23	Dewatering of contaminated sediments: Greenhouse and field studies. Ecological Engineering, 2009, 35, 1523-1528.	1.6	12
24	Greenhouse and field assessment of phytoremediation for petroleum contaminants in a riparian zone. Bioresource Technology, 2008, 99, 1961-1971.	4.8	110
25	Lability of polycyclic aromatic hydrocarbons in the rhizosphere. Chemosphere, 2008, 70, 1644-1652.	4.2	49
26	Influence of organic acids on the transport of heavy metals in soil. Chemosphere, 2008, 72, 986-994.	4.2	114
27	Dissipation of PAHs in saturated, dredged sediments: A field trial. Chemosphere, 2008, 72, 1614-1619.	4.2	39
28	Plant germination and growth after exposure to iron cyanide complexes. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 627-632.	0.9	4
29	Removal of Cyanide Contaminants from Rhizosphere Soil. Bioremediation Journal, 2008, 12, 210-215.	1.0	5
30	Assessment of Landfill Leachate Volume and Concentrations of Cyanide and Fluoride during Phytoremediation. Bioremediation Journal, 2008, 12, 32-45.	1.0	9
31	Effect of soil depth on phytoremediation efficiency for petroleum contaminants. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 43, 1-9.	0.9	9
32	Phytoremediation of Polycyclic Aromatic Hydrocarbons in Soil: Part I. Dissipation of Target Contaminants. International Journal of Phytoremediation, 2007, 9, 355-370.	1.7	20
33	Evaluation of hydrophobicity in PAH-contaminated soils during phytoremediation. Environmental Pollution, 2007, 145, 60-67.	3.7	24
34	Removal of Prussian blue from contaminated soil in the rhizosphere of cyanogenic plants. Chemosphere, 2007, 69, 1492-1498.	4.2	16
35	Phytoremediation of Polycyclic Hydrocarbon Contaminated Soil: Part II. Impact on Ecotoxicity. International Journal of Phytoremediation, 2007, 9, 371-384.	1.7	8
36	Phytoremediation of Polychlorinated Biphenyl (PCB)-Contaminated Sediment. Journal of Environmental Quality, 2007, 36, 239-244.	1.0	41

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37	Heavy metal leaching from mine tailings as affected by organic amendments. Bioresource Technology, 2007, 98, 2935-2941.	4.8	125
38	Leaching and reduction of chromium in soil as affected by soil organic content and plants. Chemosphere, 2006, 62, 255-264.	4.2	216
39	Biosolids-Amended Soils: Part II. Chemical Lability as a Measure of Contaminant Bioaccessability. Water Environment Research, 2006, 78, 2231-2243.	1.3	2
40	Biosolids-Amended Soils: Part I. Effect of Biosolids Application on Soil Quality and Ecotoxicity. Water Environment Research, 2006, 78, 2217-2230.	1.3	8
41	Persistence of Atrazine and Alachlor in Ground Water Aquifers and Soil. Water, Air, and Soil Pollution, 2006, 171, 203-235.	1.1	52
42	Adsorption of Atrazine and Alachlor to Aquifer Material and Soil. Water, Air, and Soil Pollution, 2006, 177, 119-134.	1.1	11
43	Heritability of Phytoremediation Potential for the Alfalfa CultivarRiley in Petroleum Contaminated Soil. Water, Air, and Soil Pollution, 2006, 177, 239-249.	1.1	23
44	Ecotoxicity of Pentachlorophenol in Contaminated Soil as Affected by Soil Type. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 117-128.	0.9	5
45	Lead Stabilization by Phosphate Amendments in Soil Impacted by Paint Residue. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 359-368.	0.9	10
46	Characteristics of Blast Furnace Slag Leachate Produced Under Reduced and Oxidized Conditions. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 381-395.	0.9	18
47	Effect of Root Death and Decay on Dissipation of Polycyclic Aromatic Hydrocarbons in the Rhizosphere of Yellow Sweet Clover and Tall Fescue. Journal of Environmental Quality, 2005, 34, 207-216.	1.0	62
48	The use of plant tissue silica content for estimating transpiration. Ecological Engineering, 2005, 25, 343-348.	1.6	20
49	Phytoremediation of Polycyclic Aromatic Hydrocarbons in Manufactured Gas Plant-Impacted Soil. Journal of Environmental Quality, 2005, 34, 1755-1762.	1.0	42
50	The influence of organic ligands on the retention of lead in soil. Chemosphere, 2005, 61, 856-866.	4.2	81
51	Assessment of contaminant lability during phytoremediation of polycyclic aromatic hydrocarbon impacted soil. Environmental Pollution, 2005, 137, 187-197.	3.7	87
52	Influence of Citrate on Adsorption of Zinc in Soils. Journal of Environmental Engineering, ASCE, 2004, 130, 1180-1187.	0.7	10
53	Effectiveness of Phytoremediation as a Secondary Treatment for Polycyclic Aromatic Hydrocarbons (PAHs) in Composted Soil. International Journal of Phytoremediation, 2004, 6, 119-137.	1.7	84
54	TRANSPORT AND PERSISTENCE OF NITRATE, ATRAZINE, AND ALACHLOR IN LARGE INTACT SOIL COLUMNS UNDER TWO LEVELS OF MOISTURE CONTENT. Soil Science, 2004, 169, 541-553.	0.9	8

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55	Pyrene Degradation in the Rhizosphere of Tall Fescue (Festuca arundinacea) and Switchgrass (Panicum) Tj ETQq1 1 0.784314 rgBT /Ov	4.6	96
56	Selection of Specific Endophytic Bacterial Genotypes by Plants in Response to Soil Contamination. Applied and Environmental Microbiology, 2001, 67, 2469-2475.	1.4	338
57	Phytoremediation of Aged Petroleum Sludge: Effect of Irrigation Techniques and Scheduling. Journal of Environmental Quality, 2001, 30, 1516-1522.	1.0	36
58	Phytoremediation of Aged Petroleum Sludge: Effect of Inorganic Fertilizer. Journal of Environmental Quality, 2001, 30, 395-403.	1.0	141
59	Effects of Soil Water Content on Biodegradation of Phenanthrene in a Mixture of Organic Contaminants. Soil and Sediment Contamination, 2001, 10, 633-658.	1.1	15
60	Enhanced Mobility of Lead in Soil Rhizosphere: Model Development and Validation. , 2000, , 1.		0
61	Screening Plant Species for Growth on Weathered, Petroleum Hydrocarbon-Contaminated Sediments. International Journal of Phytoremediation, 2000, 2, 297-317.	1.7	55
62	Evaluation of Dissipation Mechanisms for Benzo[a]pyrene in the Rhizosphere of Tall Fescue. Journal of Environmental Quality, 1999, 28, 294-298.	1.0	78
63	Heavy Metal Leaching from Mine Tailings as Affected by Plants. Journal of Environmental Quality, 1999, 28, 1727-1732.	1.0	35
64	Extraction of Petroleum Hydrocarbons from Soil by Mechanical Shaking. Environmental Science & Technology, 1999, 33, 1940-1945.	4.6	158
65	Adsorption of Naphthalene onto Plant Roots. Journal of Environmental Quality, 1998, 27, 220-224.	1.0	102
66	Greenhouse Evaluation of Agronomic and Crude Oilâ€Phytoremediation Potential among Alfalfa Genotypes. Journal of Environmental Quality, 1998, 27, 169-173.	1.0	143
67	Spatial Variability of Nitrogen Mineralization at the Field Scale. Soil Science Society of America Journal, 1997, 61, 1214-1221.	1.2	25
68	Phytoremediation of Soils Contaminated with Organic Pollutants. Advances in Agronomy, 1996, 56, 55-114.	2.4	394
69	Dissipation of Polycyclic Aromatic Hydrocarbons in the Rhizosphere. Journal of Environmental Quality, 1996, 25, 212-219.	1.0	407
70	Interspecific nutrient transfer in a tallgrass prairie plant community. American Journal of Botany, 1996, 83, 180-184.	0.8	38
71	Stabilization of phenolics in foundry waste using cementitious materials. Journal of Hazardous Materials, 1996, 45, 89-106.	6.5	17
72	Comparison of Spatial Variability of Infiltration Properties at Two Sites in Konza Prairie of East-Central Kansas. Journal of Hydrologic Engineering - ASCE, 1996, 1, 131-138.	0.8	10

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73	Interspecific nutrient transfer in a tallgrass prairie plant community. , 1996, 83, 180.		25
74	The effects of organic acids on the leaching of heavy metals from mine tailings. Journal of Hazardous Materials, 1995, 41, 135-145.	6.5	67
75	Adsorption Characteristics of Atrazine and Alachlor in Kansas Soils. Weed Science, 1995, 43, 461-466.	0.8	40
76	Effects of mycorrhizae and fertilizer amendments on zinc tolerance of plants. Environmental Pollution, 1995, 88, 307-314.	3.7	118
77	Influence of organic acids on leaching of heavy metals from contaminated mine tailings. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1994, 29, 1045-1056.	0.1	11
78	Chemical characterization of heavy-metal contaminated soil in southeast Kansas. Water, Air, and Soil Pollution, 1994, 78, 73-82.	1.1	38
79	Biological characterization of a southeast Kansas mining site. Water, Air, and Soil Pollution, 1994, 78, 169-177.	1.1	31
80	Effects of mycorrhizae and other soil microbes on revegetation of heavy metal contaminated mine spoil. Environmental Pollution, 1994, 86, 181-188.	3.7	144
81	Effects of plants and soil microflora on leaching of zinc from mine tailings. Chemosphere, 1994, 29, 1691-1699.	4.2	28
82	Mycorrhizal activity in warm- and cool-season grasses: variation in nutrient-uptake strategies. Canadian Journal of Botany, 1994, 72, 1002-1008.	1.2	36
83	Phosphorus-fixing ability of high ph, high calcium, coal-combustion, waste materials. Water, Air, and Soil Pollution, 1993, 69, 309-320.	1.1	43
84	Kinetics of urea hydrolysis in wheat residue. Soil Biology and Biochemistry, 1993, 25, 1033-1036.	4.2	8
85	NITRATE LEACHING AND NITRITE OCCURRENCE IN A FINE-TEXTURED SOIL. Soil Science, 1993, 155, 272-282.	0.9	26
86	Bioavailability of Zinc, Cadmium, and Lead in a Metalâ€Contaminated Alluvial Soil. Journal of Environmental Quality, 1993, 22, 247-254.	1.0	132
87	Factors Affecting the Soil Extraction and Preconcentration by C18 Solid-Phase Enrichment of Alachlor, Atrazine, and Atrazine Dealkylation Products. , 1993, , 86-91.		1
88	Changes in Aluminum and Phosphorus Solubilities in Response to Long-Term Fertilization. Soil Science Society of America Journal, 1992, 56, 755-761.	1.2	19
89	Partitioning Dissolved Inorganic and Organic Phosphorus Using Acidified Molybdate and Isobutanol. Soil Science Society of America Journal, 1992, 56, 762-765.	1.2	25
90	Mineralization of organic phosphorus by vesicular-arbuscular mycorrhizal fungi. Soil Biology and Biochemistry, 1992, 24, 897-903.	4.2	123

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91	Reclamation Effects on Mycorrhizae and Productive Capacity of Flue Gas Desulfurization Sludge. Journal of Environmental Quality, 1991, 20, 777-783.	1.0	13
92	Neptunium adsorption on synthetic amorphous iron oxyhydroxide. Journal of Colloid and Interface Science, 1991, 141, 67-78.	5.0	72
93	Field bioassessments for selecting test systems to evaluate military training lands in tallgrass prairie. Ecosystem health. V. Environmental Management, 1990, 14, 81-93.	1.2	10
94	Enzyme-linked immunosorbent assay compared with gas chromatography/mass spectrometry for the determination of triazine herbicides in water. Analytical Chemistry, 1990, 62, 2043-2048.	3.2	312
95	A Computer Simulation of Fe(III) and Fe(II) Complexation in Limited Nutrient Solution: I. Program Development and Testing. Soil Science Society of America Journal, 1989, 53, 29-34.	1.2	5
96	A Computer Simulation of Fe(III) and Fe(II) Complexation in Nutrient Solutions: II. Application to Growing Plants. Soil Science Society of America Journal, 1989, 53, 34-38.	1.2	18
97	Exchange Properties of an Argiustoll: Effects of Longâ€Term Ammonium Nitrate Fertilization. Soil Science Society of America Journal, 1989, 53, 1412-1417.	1.2	25
98	Manganese-Phosphate Solubility Relationships in an Acid Soil. Soil Science Society of America Journal, 1989, 53, 1654-1660.	1.2	15
99	Mycorrhizal Mediation of Phosphorus Availability: Synthetic Iron Chelate Effects on Phosphorus Solubilization. Soil Science Society of America Journal, 1989, 53, 1701-1706.	1.2	45
100	CHANGES IN PHOSPHATE ACTIVITIES AND AVAILABILITY INDEXES WITH DEPTH AFTER 40 YEARS OF FERTILIZATION1. Soil Science, 1989, 147, 179-186.	0.9	5
101	BALANCER: A computer program for balancing chemical equations. Journal of Agronomic Education, 1989, 18, 29-32.	0.2	2
102	Effects of soil microorganisms on mycorrhizal contribution to growth of big bluestem grass in non-sterile soil. Soil Biology and Biochemistry, 1988, 20, 501-507.	4.2	75
103	Effect of Redox on the Solubility and Availability of Iron. Soil Science Society of America Journal, 1983, 47, 201-205.	1.2	79
104	Elemental Contents of Plants Growing on Soilâ€Covered Retorted Shale. Journal of Environmental Quality, 1983, 12, 301-304.	1.0	8
105	The chemistry of iron in soils and its availability to plants. Journal of Plant Nutrition, 1982, 5, 821-840.	0.9	427
106	Effect of grinding variables on the NH₄HCO₃ â€“dtpa soil test values for Fe, Zn, Mn, Cu, P, and K. Communications in Soil Science and Plant Analysis, 1979, 10, 903-909.	0.6	20
107	Use of Inductivelyâ€coupled Plasma Spectrometry for the Simultaneous Determination of Macroâ€and Micronutrients in NH₄HCO₃â€DTPA Extracts of Soils. Soil Science Society of America Journal, 1979, 43, 75-78.	1.2	58
108	A new soil test for simultaneous extraction of macroâ€and microâ€nutrients in alkaline soils. Communications in Soil Science and Plant Analysis, 1977, 8, 195-207.	0.6	624

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109	Preliminary evaluation of secondary controls on mercury in soils of geothermal districts. Geothermics, 1977, 6, 1-8.	1.5	10
110	Phytoremediation of Petroleum-Contaminated Soils. Agronomy, 0, , 783-795.	0.2	7