

Randy A Dahlgren

List of Publications by Year in descending order

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305
papers

15,200
citations

13865

67
h-index

29154

104
g-index

307
all docs

307
docs citations

307
times ranked

14013
citing authors

#	ARTICLE	IF	CITATIONS
1	Tannins in nutrient dynamics of forest ecosystems - a review. <i>Plant and Soil</i> , 2003, 256, 41-66.	3.7	591
2	Polyphenol control of nitrogen release from pine litter. <i>Nature</i> , 1995, 377, 227-229.	27.8	552
3	Land use and land cover influence on water quality in the last free-flowing river draining the western Sierra Nevada, California. <i>Journal of Hydrology</i> , 2005, 313, 234-247.	5.4	338
4	Title is missing!. <i>Biogeochemistry</i> , 1998, 42, 189-220.	3.5	304
5	The Nature, Properties and Management of Volcanic Soils. <i>Advances in Agronomy</i> , 2004, 82, 113-182.	5.2	288
6	Contribution of bedrock nitrogen to high nitrate concentrations in stream water. <i>Nature</i> , 1998, 395, 785-788.	27.8	238
7	Soil development along an elevational transect in the western Sierra Nevada, California. <i>Geoderma</i> , 1997, 78, 207-236.	5.1	235
8	A Review of Vegetated Buffers and a Meta-analysis of Their Mitigation Efficacy in Reducing Nonpoint Source Pollution. <i>Journal of Environmental Quality</i> , 2010, 39, 76-84.	2.0	212
9	Risk analysis of heavy metal concentration in surface waters across the rural-urban interface of the Wen-Rui Tang River, China. <i>Environmental Pollution</i> , 2018, 237, 639-649.	7.5	194
10	Nitrogen in rock: Occurrences and biogeochemical implications. <i>Global Biogeochemical Cycles</i> , 2002, 16, 65-165-17.	4.9	192
11	The effects of whole-tree clear-cutting on soil processes at the Hubbard Brook Experimental Forest, New Hampshire, USA. <i>Plant and Soil</i> , 1994, 158, 239-262.	3.7	185
12	Contribution of amino compounds to dissolved organic nitrogen in forest soils. <i>Biogeochemistry</i> , 2002, 61, 173-198.	3.5	173
13	Temperature, water content and wet-dry cycle effects on DOC production and carbon mineralization in agricultural peat soils. <i>Soil Biology and Biochemistry</i> , 2006, 38, 477-488.	8.8	171
14	Airborne microplastics in indoor and outdoor environments of a coastal city in Eastern China. <i>Journal of Hazardous Materials</i> , 2021, 417, 126007.	12.4	167
15	Convergent evidence for widespread rock nitrogen sources in Earth's surface environment. <i>Science</i> , 2018, 360, 58-62.	12.6	166
16	Preferential accumulation of small ($300\text{ }\mu\text{m}$) microplastics in the sediments of a coastal plain river network in eastern China. <i>Water Research</i> , 2018, 144, 393-401.	11.3	160
17	Diurnal variability in riverine dissolved organic matter composition determined by <i>in situ</i> optical measurement in the San Joaquin River (California, USA). <i>Hydrological Processes</i> , 2007, 21, 3181-3189.	2.6	156
18	Increased forest ecosystem carbon and nitrogen storage from nitrogen rich bedrock. <i>Nature</i> , 2011, 477, 78-81.	27.8	148

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19	Impacts of land use and population density on seasonal surface water quality using a modified geographically weighted regression. <i>Science of the Total Environment</i> , 2016, 572, 450-466.	8.0	146
20	Linking chemical reactivity and protein precipitation to structural characteristics of foliar tannins. <i>Journal of Chemical Ecology</i> , 2003, 29, 703-730.	1.8	141
21	Agricultural pollutant removal by constructed wetlands: Implications for water management and design. <i>Agricultural Water Management</i> , 2012, 104, 171-183.	5.6	140
22	Antibiotic resistance genes in an urban river as impacted by bacterial community and physicochemical parameters. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23753-23762.	5.3	138
23	Carbon and nitrogen dynamics in a forest soil amended with purified tannins from different plant species. <i>Soil Biology and Biochemistry</i> , 2004, 36, 309-321.	8.8	137
24	Heavy metal sources identification and sampling uncertainty analysis in a field-scale vegetable soil of Hangzhou, China. <i>Environmental Pollution</i> , 2009, 157, 1003-1010.	7.5	136
25	Nature, properties and function of aluminum-humus complexes in volcanic soils. <i>Geoderma</i> , 2016, 263, 110-121.	5.1	136
26	Distribution and source analysis of heavy metal pollutants in sediments of a rapid developing urban river system. <i>Chemosphere</i> , 2018, 207, 218-228.	8.2	136
27	Insight into pH dependent Cr(VI) removal with magnetic Fe ₃ S ₄ . <i>Chemical Engineering Journal</i> , 2019, 359, 564-571.	12.7	133
28	Modeling nitrous oxide emission from rivers: a global assessment. <i>Global Change Biology</i> , 2016, 22, 3566-3582.	9.5	129
29	N and P in New Zealand Soil Chronosequences and Relationships with Foliar N and P. <i>Biogeochemistry</i> , 2005, 75, 305-328.	3.5	113
30	Basalt weathering and pedogenesis across an environmental gradient in the southern Cascade Range, California, USA. <i>Geoderma</i> , 2010, 154, 473-485.	5.1	112
31	Oak tree and grazing impacts on soil properties and nutrients in a California oak woodland. <i>Biogeochemistry</i> , 1997, 39, 45-64.	3.5	107
32	Mechanism of Cr(VI) removal by magnetic greigite/biochar composites. <i>Science of the Total Environment</i> , 2020, 700, 134414.	8.0	106
33	Soil and solution chemistry under pasture and radiata pine in New Zealand. <i>Plant and Soil</i> , 1997, 191, 279-290.	3.7	102
34	Evaluation of Methods for Measuring Polyphenols in Conifer Foliage. <i>Journal of Chemical Ecology</i> , 2000, 26, 2119-2140.	1.8	101
35	Fertility and pH effects on polyphenol and condensed tannin concentrations in foliage and roots. <i>Plant and Soil</i> , 2004, 262, 95-109.	3.7	97
36	Physical and chemical fractionation of dissolved organic matter and trihalomethane precursors: A review. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2005, 54, 475-507.	1.4	91

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37	Dissolved Nitrous Oxide Concentrations and Fluxes from the Eutrophic San Joaquin River, California. <i>Environmental Science & Technology</i> , 2013, 47, 1313-1322.	10.0	91
38	Wildfire Altering Terrestrial Precursors of Disinfection Byproducts in Forest Detritus. <i>Environmental Science & Technology</i> , 2015, 49, 5921-5929.	10.0	90
39	Mitigating Nonpoint Source Pollution in Agriculture with Constructed and Restored Wetlands. <i>Advances in Agronomy</i> , 2010, 108, 1-76.	5.2	86
40	Long-term (1980â€“2015) changes in net anthropogenic phosphorus inputs and riverine phosphorus export in the Yangtze River basin. <i>Water Research</i> , 2020, 177, 115779.	11.3	85
41	Intraspecific variation of conifer phenolic concentration on a marine terrace soil acidity gradient; a new interpretation. <i>Plant and Soil</i> , 1995, 171, 255-262.	3.7	84
42	The role of perched aquifers in hydrological connectivity and biogeochemical processes in vernal pool landscapes, Central Valley, California. <i>Hydrological Processes</i> , 2006, 20, 1157-1175.	2.6	84
43	Coupling stable isotopes and water chemistry to assess the role of hydrological and biogeochemical processes on riverine nitrogen sources. <i>Water Research</i> , 2019, 150, 418-430.	11.3	84
44	Temporal dynamics of stream water chemistry in the last free-flowing river draining the western Sierra Nevada, California. <i>Journal of Hydrology</i> , 2004, 295, 47-63.	5.4	83
45	Assessing the sources and magnitude of diurnal nitrate variability in the San Joaquin River (California) with an <i>in situ</i> optical nitrate sensor and dual nitrate isotopes. <i>Freshwater Biology</i> , 2009, 54, 376-387.	2.4	83
46	Stimulation of N ₂ O emission by conservation tillage management in agricultural lands: A meta-analysis. <i>Soil and Tillage Research</i> , 2018, 182, 86-93.	5.6	83
47	Chapter 6 Chemical Characteristics of Volcanic Ash Soils. <i>Developments in Soil Science</i> , 1993, 21, 145-187.	0.5	82
48	Aluminum release rates from selected Spodosol Bs horizons: Effect of pH and solid-phase aluminum pools. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 57-66.	3.9	82
49	Priming the productivity pump: flood pulse driven trends in suspended algal biomass distribution across a restored floodplain. <i>Freshwater Biology</i> , 2006, 51, 1417-1433.	2.4	81
50	Legacy Nutrient Dynamics at the Watershed Scale: Principles, Modeling, and Implications. <i>Advances in Agronomy</i> , 2018, 149, 237-313.	5.2	81
51	Aluminum Precipitation and Dissolution Rates in Spodosol Bs Horizons in the Northeastern USA. <i>Soil Science Society of America Journal</i> , 1989, 53, 1045-1052.	2.2	80
52	Use of turbidometry to characterize suspended sediment and phosphorus fluxes in the Lake Tahoe basin, California, USA. <i>Hydrological Processes</i> , 2007, 21, 281-291.	2.6	80
53	Oligopeptides Represent a Preferred Source of Organic N Uptake: A Global Phenomenon?. <i>Ecosystems</i> , 2013, 16, 133-145.	3.4	80
54	Prediction of dissolved oxygen concentration in hypoxic river systems using support vector machine: a case study of Wen-Rui Tang River, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16062-16076.	5.3	80

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55	Influences of climate, hydrology, and land use on input and export of nitrogen in California watersheds. <i>Biogeochemistry</i> , 2009, 94, 43-62.	3.5	79
56	Arsenic distribution, speciation and solubility in shallow groundwater of Owens Dry Lake, California. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 2981-2994.	3.9	77
57	Watershed Sources of Disinfection Byproduct Precursors in the Sacramento and San Joaquin Rivers, California. <i>Environmental Science & Technology</i> , 2007, 41, 7645-7652.	10.0	77
58	Evaluation of spatial-temporal variations and trends in surface water quality across a rural-suburban-urban interface. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8036-8051.	5.3	77
59	Assessment of the Geographical Detector Method for investigating heavy metal source apportionment in an urban watershed of Eastern China. <i>Science of the Total Environment</i> , 2019, 653, 714-722.	8.0	77
60	Chapter 5 Mineralogical Characteristics of Volcanic Ash Soils. <i>Developments in Soil Science</i> , 1993, 21, 101-143.	0.5	76
61	Soil acidification and nitrogen saturation from weathering of ammonium-bearing rock. <i>Nature</i> , 1994, 368, 838-841.	27.8	75
62	Soil Genesis and Mineral Transformation Across an Environmental Gradient on Andesitic Lahar. <i>Soil Science Society of America Journal</i> , 2007, 71, 225-237.	2.2	75
63	EVALUATION AND PROPOSED REVISIONS OF CRITERIA FOR ANDOSOLS IN THE WORLD REFERENCE BASE FOR SOIL RESOURCES. <i>Soil Science</i> , 1996, 161, 604-615.	0.9	75
64	Transport of <i>Cryptosporidium parvum</i> Oocysts through Vegetated Buffer Strips and Estimated Filtration Efficiency. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5517-5527.	3.1	74
65	Aluminum Fractionation of Soil Solutions from Unperturbed and Tephra-Treated Spodosols, Cascade Range, Washington, USA. <i>Soil Science Society of America Journal</i> , 1989, 53, 559-566.	2.2	73
66	Efficacy of Natural Wetlands to Retain Nutrient, Sediment and Microbial Pollutants. <i>Journal of Environmental Quality</i> , 2008, 37, 1837-1846.	2.0	73
67	Dietary <i>Lactobacillus plantarum</i> ST-III alleviates the toxic effects of triclosan on zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1784-1791.	3.6	72
68	AN EXAMPLE OF ANDOSOLIZATION AND PODZOLIZATION AS REVEALED BY SOIL SOLUTION STUDIES, SOUTHERN HAKKODA, NORTHEASTERN JAPAN. <i>Soil Science</i> , 1988, 145, 111-125.	0.9	71
69	Toxicity assessment of combined fluoroquinolone and tetracycline exposure in zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology</i> , 2016, 31, 736-750.	4.0	70
70	Seasonal and event-scale variations in solute chemistry for four Sierra Nevada catchments. <i>Journal of Hydrology</i> , 2001, 250, 106-121.	5.4	69
71	Nutrient fluxes in forests of the eastern Sierra Nevada Mountains, United States of America. <i>Global Biogeochemical Cycles</i> , 1997, 11, 673-681.	4.9	68
72	Toxicity evaluation of ß-lactone antibiotics on the development of embryo-larval zebrafish (<i>Danio rerio</i>). <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1784-1791.	4.0	68

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73	Microplastic (1 and 5 \hat{A} ¼m) exposure disturbs lifespan and intestine function in the nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , 2020, 705, 135837.	8.0	66
74	Formation and stability of imogolite in a tephritic Spodosol, Cascade Range, Washington, U.S.A.. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 1897-1904.	3.9	65
75	Interaction Kinetics of I ₂ (aq) with Substituted Phenols and Humic Substances. <i>Environmental Science & Technology</i> , 2000, 34, 3180-3185.	10.0	65
76	Field weathering rates of Mt. St. Helens tephra. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 587-598.	3.9	61
77	Weathering Environments and Occurrence of Imogolite/Allophane in Selected Andisols and Spodosols. <i>Soil Science Society of America Journal</i> , 1991, 55, 1166-1171.	2.2	59
78	Efficacy of constructed wetlands for removal of bacterial contamination from agricultural return flows. <i>Agricultural Water Management</i> , 2010, 97, 1813-1821.	5.6	59
79	Clay mineralogy and chemistry of soils formed in volcanic materials in the xeric moisture regime of northern California. <i>Geoderma</i> , 1993, 59, 131-150.	5.1	58
80	Controlled Burning of Forest Detritus Altering Spectroscopic Characteristics and Chlorine Reactivity of Dissolved Organic Matter: Effects of Temperature and Oxygen Availability. <i>Environmental Science & Technology</i> , 2015, 49, 14019-14027.	10.0	58
81	Micro- and macroplastic accumulation in a newly formed <i>Spartina alterniflora</i> colonized estuarine saltmarsh in southeast China. <i>Marine Pollution Bulletin</i> , 2019, 149, 110636.	5.0	58
82	Adsorption and reduction of roxarsone on magnetic greigite (Fe ₃ S ₄): Indispensable role of structural sulfide. <i>Chemical Engineering Journal</i> , 2017, 330, 1232-1239.	12.7	57
83	A comprehensive analysis and source apportionment of metals in riverine sediments of a rural-urban watershed. <i>Journal of Hazardous Materials</i> , 2020, 381, 121230.	12.4	57
84	Fire is more important than water for nitrogen fluxes in semi-arid forests. <i>Environmental Science and Policy</i> , 1998, 1, 79-86.	4.9	56
85	Comparison of seven water quality assessment methods for the characterization and management of highly impaired river systems. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 15.	2.7	56
86	Effects of river regulation on water quality in the lower Mokelumne River, California. <i>River Research and Applications</i> , 2005, 21, 651-670.	1.7	53
87	Influence of Lag Effect, Soil Release, And Climate Change on Watershed Anthropogenic Nitrogen Inputs and Riverine Export Dynamics. <i>Environmental Science & Technology</i> , 2014, 48, 5683-5690.	10.0	53
88	Bioavailability and Fate of Phosphorus in Constructed Wetlands Receiving Agricultural Runoff in the San Joaquin Valley, California. <i>Journal of Environmental Quality</i> , 2009, 38, 360-372.	2.0	52
89	Lead Release from Smelter and Mine Waste Impacted Materials under Simulated Gastric Conditions and Relation to Speciation. <i>Environmental Science & Technology</i> , 1996, 30, 761-769.	10.0	51
90	Hydrology in a California oak woodland watershed: a 17-year study. <i>Journal of Hydrology</i> , 2000, 240, 106-117.	5.4	51

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91	Influence of legacy phosphorus, land use, and climate change on anthropogenic phosphorus inputs and riverine export dynamics. <i>Biogeochemistry</i> , 2015, 123, 99-116.	3.5	51
92	Roots, nutrients and their relationship to spatial patterns. <i>Plant and Soil</i> , 1995, 168-169, 113-123.	3.7	50
93	A modified load apportionment model for identifying point and diffuse source nutrient inputs to rivers from stream monitoring data. <i>Journal of Hydrology</i> , 2013, 501, 25-34.	5.4	50
94	Magnetic effervescent tablet-assisted ionic liquid-based dispersive liquid-liquid microextraction of polybrominated diphenyl ethers in liquid matrix samples. <i>Talanta</i> , 2019, 195, 785-795.	5.5	49
95	Sulfur vacancy promoted peroxidase-like activity of magnetic greigite (Fe ₃ S ₄) for colorimetric detection of serum glucose. <i>Analytica Chimica Acta</i> , 2020, 1127, 246-255.	5.4	49
96	Organic Carbon Sorption in Arctic and Subalpine Spodosol B Horizons. <i>Soil Science Society of America Journal</i> , 1991, 55, 1382-1390.	2.2	47
97	The influence of soil chemistry on fine root aluminum concentrations and root dynamics in a subalpine Spodosol, Washington State, USA. <i>Plant and Soil</i> , 1991, 133, 117-129.	3.7	47
98	Chapter 3 Genesis of Volcanic Ash Soils. <i>Developments in Soil Science</i> , 1993, 21, 37-71.	0.5	47
99	An effervescence-assisted switchable fatty acid-based microextraction with solidification of floating organic droplet for determination of fluoroquinolones and tetracyclines in seawater, sediment, and seafood. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2671-2687.	3.7	47
100	Distribution and characterization of short-range-order minerals in spodosols from the Washington cascades. <i>Geoderma</i> , 1991, 48, 391-413.	5.1	46
101	Relationships between specific ultraviolet absorbance and trihalomethane precursors of different carbon sources. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2008, 57, 471-480.	1.4	46
102	Litter Contributions to Dissolved Organic Matter and Disinfection Byproduct Precursors in California Oak Woodland Watersheds. <i>Journal of Environmental Quality</i> , 2009, 38, 2334-2343.	2.0	46
103	Acidification and recovery of a Spodosol Bs horizon from acidic deposition. <i>Environmental Science & Technology</i> , 1990, 24, 531-537.	10.0	45
104	Geologic nitrogen in terrestrial biogeochemical cycling. <i>Geology</i> , 1999, 27, 567.	4.4	45
105	Determination of dissolved organic nitrogen using persulfate oxidation and conductimetric quantification of nitrate-nitrogen. <i>Communications in Soil Science and Plant Analysis</i> , 1994, 25, 3161-3169.	1.4	43
106	Reactivity of iodide in volcanic soils and noncrystalline soil constituents. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 4945-4956.	3.9	43
107	Modeling and forecasting riverine dissolved inorganic nitrogen export using anthropogenic nitrogen inputs, hydroclimate, and land-use change. <i>Journal of Hydrology</i> , 2014, 517, 95-104.	5.4	43
108	Optimization of a phase separation based magnetic-stirring salt-induced liquid-liquid microextraction method for determination of fluoroquinolones in food. <i>Food Chemistry</i> , 2015, 175, 181-188.	8.2	43

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109	The Influence of Landscape Position on Temporal Variability in Four North American Ecosystems. <i>American Naturalist</i> , 1991, 138, 355-378.	2.1	43
110	Aluminum, Fe, Ca, Mg, K, Mn, Cu, Zn and P in above- and belowground biomass. II. Pools and circulation in a subalpine <i>Abies amabilis</i> stand. <i>Biogeochemistry</i> , 1987, 4, 295-311.	3.5	42
111	Aluminum solubility and release rates from soil horizons dominated by aluminum-humes complexes. <i>Soil Science and Plant Nutrition</i> , 1995, 41, 119-131.	1.9	42
112	Sediment and nutrient dynamics following a low-head dam removal at Murphy Creek, California. <i>Limnology and Oceanography</i> , 2005, 50, 1752-1762.	3.1	41
113	Biological Oxygen Demand Dynamics in the Lower San Joaquin River, California. <i>Environmental Science & Technology</i> , 2006, 40, 5653-5660.	10.0	41
114	Transport and fate of microplastics from riverine sediment dredge piles: Implications for disposal. <i>Journal of Hazardous Materials</i> , 2021, 404, 124132.	12.4	41
115	Mineralogy and weathering processes in Recent and Holocene tephra deposits of the Pacific Northwest, USA. <i>Geoderma</i> , 1991, 51, 277-299.	5.1	40
116	Water Quality Conditions Associated with Cattle Grazing and Recreation on National Forest Lands. <i>PLoS ONE</i> , 2013, 8, e68127.	2.5	40
117	The upside-down river: Reservoirs, algal blooms, and tributaries affect temporal and spatial patterns in nitrogen and phosphorus in the Klamath River, USA. <i>Journal of Hydrology</i> , 2014, 519, 164-176.	5.4	40
118	Chapter 8 Productivity and Utilization of Volcanic Ash Soils. <i>Developments in Soil Science</i> , 1993, 21, 209-251.	0.5	39
119	Aluminum release rates from allophanic and nonallophanic Andosols. <i>Soil Science and Plant Nutrition</i> , 1994, 40, 125-136.	1.9	39
120	Geological control of physical and chemical hydrology in California vernal pools. <i>Wetlands</i> , 2008, 28, 347-362.	1.5	39
121	Wildfire Burn Intensity Affects the Quantity and Speciation of Polycyclic Aromatic Hydrocarbons in Soils. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 1262-1270.	2.7	39
122	Dynamics of Soil Microbial N-Cycling Strategies in Response to Cadmium Stress. <i>Environmental Science & Technology</i> , 2021, 55, 14305-14315.	10.0	39
123	Soil genesis and mineralogy across a volcanic lithosequence. <i>Geoderma</i> , 2017, 285, 301-312.	5.1	37
124	Two years of post-wildfire impacts on dissolved organic matter, nitrogen, and precursors of disinfection by-products in California stream waters. <i>Water Research</i> , 2020, 181, 115891.	11.3	37
125	Filter pore size selection for characterizing dissolved organic carbon and trihalomethane precursors from soils. <i>Water Research</i> , 2005, 39, 1255-1264.	11.3	36
126	Estimation of critical nutrient amounts based on input-output analysis in an agriculture watershed of eastern China. <i>Agriculture, Ecosystems and Environment</i> , 2009, 134, 159-167.	5.3	36

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127	Changes in river water temperature between 1980 and 2012 in Yongan watershed, eastern China: Magnitude, drivers and models. <i>Journal of Hydrology</i> , 2016, 533, 191-199.	5.4	36
128	Nitrate pollution source apportionment, uncertainty and sensitivity analysis across a rural-urban river network based on $\delta^{15}\text{N}/\delta^{18}\text{O}-\text{NO}_3^-$ isotopes and SIAR modeling. <i>Journal of Hazardous Materials</i> , 2022, 438, 129480.	12.4	36
129	A Bayesian approach for calculating variable total maximum daily loads and uncertainty assessment. <i>Science of the Total Environment</i> , 2012, 430, 59-67.	8.0	35
130	Oversummer growth and survival of juvenile coho salmon (<i>Oncorhynchus kisutch</i>) across a natural gradient of stream water temperature and prey availability: an in situ enclosure experiment. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 413-424.	1.4	35
131	Recent advances in the roles of minerals for enhanced microbial extracellular electron transfer. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110404.	16.4	35
132	Riverine nitrate source apportionment using dual stable isotopes in a drinking water source watershed of southeast China. <i>Science of the Total Environment</i> , 2020, 724, 137975.	8.0	35
133	Labile carbon facilitated phosphorus solubilization as regulated by bacterial and fungal communities in <i>Zea mays</i> . <i>Soil Biology and Biochemistry</i> , 2021, 163, 108465.	8.8	35
134	Trace Element (Se, As, Mo, B) Contamination of Evaporites in Hypersaline Agricultural Evaporation Ponds. <i>Environmental Science & Technology</i> , 1997, 31, 831-836.	10.0	34
135	Catchment Scale Soil Water Dynamics in a Mediterranean Type Oak Woodland. <i>Vadose Zone Journal</i> , 2011, 10, 800-815.	2.2	34
136	Timing, frequency of sampling affect accuracy of water-quality monitoring. <i>California Agriculture</i> , 1999, 53, 44-48.	0.8	34
137	Microplastic ingestion from atmospheric deposition during dining/drinking activities. <i>Journal of Hazardous Materials</i> , 2022, 432, 128674.	12.4	34
138	Aluminum, Fe, Ca, Mg, K, Mn, Cu, Zn and P in above- and belowground biomass. I. <i>Abies amabilis</i> and <i>Tsuga mertensiana</i> . <i>Biogeochemistry</i> , 1987, 4, 277-294.	3.5	33
139	Comparison of soil solution extraction procedures: Effect on solute chemistry. <i>Communications in Soil Science and Plant Analysis</i> , 1993, 24, 1783-1794.	1.4	33
140	Factors controlling phosphorus export from agricultural/forest and residential systems to rivers in eastern China, 1980-2011. <i>Journal of Hydrology</i> , 2016, 533, 53-61.	5.4	33
141	Response mechanisms to joint exposure of triclosan and its chlorinated derivatives on zebrafish (<i>Danio rerio</i>) behavior. <i>Chemosphere</i> , 2018, 193, 820-832.	8.2	33
142	Cadmium sulfide nanoparticles-assisted intimate coupling of microbial and photoelectrochemical processes: Mechanisms and environmental applications. <i>Science of the Total Environment</i> , 2020, 740, 140080.	8.0	33
143	Weathering of Mt. St. Helens Tephra under a Cryic-Udic Climatic Regime. <i>Soil Science Society of America Journal</i> , 1997, 61, 1519-1525.	2.2	32
144	Nitrogen release from rock and soil under simulated field conditions. <i>Chemical Geology</i> , 2001, 174, 403-414.	3.3	32

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145	Environment shapes invertebrate assemblage structure differences between volcanic spring-fed and runoff rivers in northern California. <i>Freshwater Science</i> , 2016, 35, 1010-1022.	1.8	32
146	A comprehensive risk assessment of metals in riverine surface sediments across the rural-urban interface of a rapidly developing watershed. <i>Environmental Pollution</i> , 2019, 245, 1022-1030.	7.5	32
147	Nitrate loss from a restored floodplain in the Lower Cosumnes River, California. <i>Hydrobiologia</i> , 2006, 571, 261-272.	2.0	31
148	Magnetic effervescent tablets containing ionic liquids as a non-conventional extraction and dispersive agent for determination of pyrethroids in milk. <i>Food Chemistry</i> , 2018, 268, 468-475.	8.2	31
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305	Soil phases: the liquid phase. , 0, , 57-74.		0