

Andrew N Sharpley

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

289
papers

22,665
citations

79
h-index

144
g-index

303
ext. papers

24,476
ext. citations

3.3
avg, IF

6.9
L-index

#	Paper	IF	Citations
289	Estimating dissolved phosphorus losses from legacy sources in pastures: The limits of soil tests and small-scale rainfall simulators. <i>Journal of Environmental Quality</i> , 2021 , 50, 1042-1062	3.4	0
288	A Long and Winding Road. <i>CSA News</i> , 2020 , 65, 40-42	0.1	
287	Can soil phosphorus sorption saturation estimate future potential legacy phosphorus sources? 2020 , 3, e20122		0
286	Mining of soil legacy phosphorus without jeopardizing crop yield 2020 , 3, e20056		5
285	Phosphorus runoff risk assessment in karstic regions of the United States. <i>Agricultural and Environmental Letters</i> , 2020 , 5, e20001	1.5	2
284	Nutrient Removal Structures Using Locally-Sourced Iron and Aluminum By-Products Reduce Nutrient Runoff from Broiler Production Facilities. <i>Journal of Environmental Protection</i> , 2020 , 11, 332-343	0.6	
283	Fate and transport of phosphorus-containing land-applied swine slurry in a karst watershed 2020 , 3, e20096		2
282	Understanding and managing the re-eutrophication of Lake Erie: Knowledge gaps and research priorities. <i>Freshwater Science</i> , 2019 , 38, 675-691	2	28
281	Increasing the Effectiveness and Adoption of Agricultural Phosphorus Management Strategies to Minimize Water Quality Impairment. <i>Journal of Environmental Quality</i> , 2019 , 48, 1204-1217	3.4	11
280	A novel spatial optimization model for achieve the trad-offs placement of best management practices for agricultural non-point source pollution control at multi-spatial scales. <i>Journal of Cleaner Production</i> , 2019 , 234, 1023-1032	10.3	22
279	Soil phosphorus dynamics following land application of unsaturated and partially saturated red mud and water treatment residuals. <i>Journal of Environmental Management</i> , 2019 , 248, 109296	7.9	10
278	Future Phosphorus: Advancing New 2D Phosphorus Allotropes and Growing a Sustainable Bioeconomy. <i>Journal of Environmental Quality</i> , 2019 , 48, 1145-1155	3.4	8
277	Multi-stakeholders' preference for best management practices based on environmental awareness. <i>Journal of Cleaner Production</i> , 2019 , 236, 117682	10.3	17
276	A coupled model system to optimize the best management practices for nonpoint source pollution control. <i>Journal of Cleaner Production</i> , 2019 , 220, 581-592	10.3	28
275	Development of PLEAD: A Database Containing Event-based Runoff Phosphorus Loadings from Agricultural Fields. <i>Journal of Environmental Quality</i> , 2019 , 48, 510-517	3.4	2
274	: Illuminating the Past and Future of Phosphorus Stewardship. <i>Journal of Environmental Quality</i> , 2019 , 48, 1127-1132	3.4	8
273	A review of regulations and guidelines related to winter manure application. <i>Ambio</i> , 2018 , 47, 657-670	6.5	30

272	Assessing the impact of the MRBI program in a data limited Arkansas watershed using the SWAT model. <i>Agricultural Water Management</i> , 2018 , 202, 202-219	5.9	13
271	Organic amendments as a source of phosphorus: agronomic and environmental impact of different animal manures applied to an acid soil. <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 257-271	2	19
270	A Sensitivity Analysis of Impacts of Conservation Practices on Water Quality in the Anguille River Watershed, Arkansas. <i>Water (Switzerland)</i> , 2018 , 10, 443	3	7
269	Agriculture, Nutrient Management and Water Quality 2018 ,		1
268	Organic Phosphorus Can Make an Important Contribution to Phosphorus Loss from Riparian Buffers. <i>Agricultural and Environmental Letters</i> , 2018 , 3, 180002	1.5	5
267	The Drive to Improve Water Quality via Conservation Adoption: Who's at the Wheel and Where Are We Headed?. <i>Agricultural and Environmental Letters</i> , 2018 , 3, 180041	1.5	2
266	Consistency of the Threshold Phosphorus Saturation Ratio across a Wide Geographic Range of Acid Soils 2018 , 1, 1-8		20
265	Celebrating the 350th Anniversary of Phosphorus Discovery: A Conundrum of Deficiency and Excess. <i>Journal of Environmental Quality</i> , 2018 , 47, 774-777	3.4	31
264	Coupling High-Frequency Stream Metabolism and Nutrient Monitoring to Explore Biogeochemical Controls on Downstream Nitrate Delivery. <i>Environmental Science & Technology</i> , 2018 , 52, 13708-13717	10.3	19
263	Environmental Indicator Princiipium with Case References to Agricultural Soil, Water, and Air Quality and Model-Derived Indicators. <i>Journal of Environmental Quality</i> , 2018 , 47, 191-202	3.4	3
262	Short-term Forecasting Tools for Agricultural Nutrient Management. <i>Journal of Environmental Quality</i> , 2017 , 46, 1257-1269	3.4	10
261	Increased Soluble Phosphorus Loads to Lake Erie: Unintended Consequences of Conservation Practices?. <i>Journal of Environmental Quality</i> , 2017 , 46, 123-132	3.4	157
260	Evaluation of the APEX Model to Simulate Runoff Quality from Agricultural Fields in the Southern Region of the United States. <i>Journal of Environmental Quality</i> , 2017 , 46, 1357-1364	3.4	9
259	Southern Phosphorus Indices, Water Quality Data, and Modeling (APEX, APLE, and TBET) Results: A Comparison. <i>Journal of Environmental Quality</i> , 2017 , 46, 1296-1305	3.4	17
258	Nutrient Concentrations in Big Creek Correlate to Regional Watershed Land Use. <i>Agricultural and Environmental Letters</i> , 2017 , 2, 170027	1.5	3
257	Comparing an Annual and a Daily Time-Step Model for Predicting Field-Scale Phosphorus Loss. <i>Journal of Environmental Quality</i> , 2017 , 46, 1314-1322	3.4	11
256	Evaluation of Phosphorus Site Assessment Tools: Lessons from the USA. <i>Journal of Environmental Quality</i> , 2017 , 46, 1250-1256	3.4	28
255	Getting Involved. <i>CSA News</i> , 2017 , 62, 22-22	0.1	

254	Reflections on 2017. <i>CSA News</i> , 2017 , 62, 38-42	0.1	
253	Expanding our Soils Tent. <i>CSA News</i> , 2017 , 62, 21-21	0.1	
252	Priorities for 2017. <i>CSA News</i> , 2017 , 62, 18-19	0.1	
251	It's Your Meeting. <i>CSA News</i> , 2017 , 62, 17-17	0.1	
250	The Promise, Practice, and State of Planning Tools to Assess Site Vulnerability to Runoff Phosphorus Loss. <i>Journal of Environmental Quality</i> , 2017 , 46, 1243-1249	3.4	12
249	BMP Optimization to Improve the Economic Viability of Farms in the Upper Watershed of Miyun Reservoir, Beijing, China. <i>Water (Switzerland)</i> , 2017 , 9, 633	3	5
248	Integrating legacy soil phosphorus into sustainable nutrient management strategies for future food, bioenergy and water security. <i>Nutrient Cycling in Agroecosystems</i> , 2016 , 104, 393-412	3.3	140
247	Conservation practice effectiveness and adoption: unintended consequences and implications for sustainable phosphorus management. <i>Nutrient Cycling in Agroecosystems</i> , 2016 , 104, 373-392	3.3	79
246	Distant Views and Local Realities: The Limits of Global Assessments to Restore the Fragmented Phosphorus Cycle. <i>Agricultural and Environmental Letters</i> , 2016 , 1, 160024	1.5	24
245	Managing agricultural phosphorus to minimize water quality impacts. <i>Scientia Agricola</i> , 2016 , 73, 1-8	2.5	65
244	Guiding phosphorus stewardship for multiple ecosystem services. <i>Ecosystem Health and Sustainability</i> , 2016 , 2, e01251	3.7	23
243	A review of the policies and implementation of practices to decrease water quality impairment by phosphorus in New Zealand, the UK, and the US. <i>Nutrient Cycling in Agroecosystems</i> , 2016 , 104, 289-305	3.3	60
242	Engineering solutions for food-energy-water systems: it is more than engineering. <i>Journal of Environmental Studies and Sciences</i> , 2016 , 6, 172-182	0.9	32
241	Long-term accumulation and transport of anthropogenic phosphorus in three river basins. <i>Nature Geoscience</i> , 2016 , 9, 353-356	18.3	188
240	Implementing agricultural phosphorus science and management to combat eutrophication. <i>Ambio</i> , 2015 , 44 Suppl 2, S297-310	6.5	133
239	Arkansas Discovery Farms: documenting water quality benefits of on-farm conservation management and empowering farmers. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2015 , 65, 186-198	1.1	3
238	Developing and testing a best management practices tool for estimating effectiveness of nonpoint source pollution control. <i>Environmental Earth Sciences</i> , 2015 , 74, 3645-3659	2.9	11
237	Phosphorus mobilization from sugarcane soils in the tropical environment of Mauritius under simulated rainfall. <i>Nutrient Cycling in Agroecosystems</i> , 2015 , 103, 29-43	3.3	6

236	Phosphorus and nitrogen losses from poultry litter stacks and leaching through soils. <i>Nutrient Cycling in Agroecosystems</i> , 2015 , 103, 101-114	3.3	4
235	The Pivotal Role of Phosphorus in a Resilient Water-Energy-Food Security Nexus. <i>Journal of Environmental Quality</i> , 2015 , 44, 1049-62	3.4	95
234	Managing Agricultural Phosphorus for Environmental Protection. <i>Agronomy</i> , 2015 , 1021-1068	0.8	7
233	Surface runoff and tile drainage transport of phosphorus in the midwestern United States. <i>Journal of Environmental Quality</i> , 2015 , 44, 495-502	3.4	185
232	Future agriculture with minimized phosphorus losses to waters: Research needs and direction. <i>Ambio</i> , 2015 , 44 Suppl 2, S163-79	6.5	162
231	Spatially-Distributed Cost-Effectiveness Analysis Framework to Control Phosphorus from Agricultural Diffuse Pollution. <i>PLoS ONE</i> , 2015 , 10, e0130607	3.7	13
230	Sustainable phosphorus management and the need for a long-term perspective: the legacy hypothesis. <i>Environmental Science & Technology</i> , 2014 , 48, 8417-9	10.3	126
229	Impact of Chemical Amendment of Dairy Cattle Slurry on Soil Phosphorus Dynamics Following Application to Five Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2014 , 45, 2215-2233	1.5	8
228	Managing agricultural phosphorus for water quality: lessons from the USA and China. <i>Journal of Environmental Sciences</i> , 2014 , 26, 1770-82	6.4	63
227	Phosphorus retention and remobilization along hydrological pathways in karst terrain. <i>Environmental Science & Technology</i> , 2014 , 48, 4860-8	10.3	40
226	Coarse Fragments Affect Soil Properties in a Mantled-Karst Landscape of the Ozark Highlands. <i>Soil Science</i> , 2014 , 179, 42-50	0.9	10
225	Phosphorus Uptake and Release from Submerged Sediments in a Simulated Stream Channel Inundated with a Poultry Litter Source. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	4
224	Water quality remediation faces unprecedented challenges from "legacy phosphorus". <i>Environmental Science & Technology</i> , 2013 , 47, 8997-8	10.3	179
223	Phosphorus legacy: overcoming the effects of past management practices to mitigate future water quality impairment. <i>Journal of Environmental Quality</i> , 2013 , 42, 1308-26	3.4	543
222	Effluent Storage and Biomat Occurrence among Septic System Absorption Field Architectures in a Typic Fragiudult. <i>Journal of Environmental Quality</i> , 2013 , 42, 1213-25	3.4	2
221	Phosphorus mitigation to control river eutrophication: murky waters, inconvenient truths, and "postnormal" science. <i>Journal of Environmental Quality</i> , 2013 , 42, 295-304	3.4	207
220	Effects of long-term poultry litter application on phosphorus soil chemistry and runoff water quality. <i>Journal of Environmental Quality</i> , 2013 , 42, 1829-37	3.4	7
219	Within-river phosphorus retention: accounting for a missing piece in the watershed phosphorus puzzle. <i>Environmental Science & Technology</i> , 2012 , 46, 13284-92	10.3	80

218	Using a phosphorus loss model to evaluate and improve phosphorus indices. <i>Journal of Environmental Quality</i> , 2012 , 41, 1758-66	3.4	19
217	The effect of periphyton stoichiometry and light on biological phosphorus immobilization and release in streams. <i>Limnology</i> , 2012 , 13, 97-106	1.7	39
216	Phosphorus indices: why we need to take stock of how we are doing. <i>Journal of Environmental Quality</i> , 2012 , 41, 1711-9	3.4	58
215	Change point analysis of phosphorus trends in the Illinois River (Oklahoma) demonstrates the effects of watershed management. <i>Journal of Environmental Quality</i> , 2011 , 40, 1249-56	3.4	26
214	Quantifying phosphorus retention and release in rivers and watersheds using extended end-member mixing analysis (E-EMMA). <i>Journal of Environmental Quality</i> , 2011 , 40, 492-504	3.4	25
213	Phosphorus Source and Soil Properties Effects on Phosphorus Availability. <i>Soil Science</i> , 2011 , 176, 502-507	9	9
212	Soil controls of phosphorus in runoff: Management barriers and opportunities. <i>Canadian Journal of Soil Science</i> , 2011 , 91, 329-338	1.4	126
211	Hydrologic and Phosphorus Export Behavior of Small Streams in Commercial Poultry-Pasture Watersheds ¹ . <i>Journal of the American Water Resources Association</i> , 2011 , 47, 367-385	2.1	2
210	Phosphorus in pasture plants: potential implications for phosphorus loss in surface runoff. <i>Plant and Soil</i> , 2011 , 345, 23-35	4.2	15
209	Managing agricultural phosphorus for water quality protection: principles for progress. <i>Plant and Soil</i> , 2011 , 349, 169-182	4.2	174
208	Effect of Coal Combustion By-products on Phosphorus Runoff from a Coastal Plain Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2011 , 42, 778-789	1.5	4
207	Land Application of Manure Can Influence Earthworm Activity and Soil Phosphorus Distribution. <i>Communications in Soil Science and Plant Analysis</i> , 2011 , 42, 194-207	1.5	10
206	Critical source area management of agricultural phosphorus: experiences, challenges and opportunities. <i>Water Science and Technology</i> , 2011 , 64, 945-52	2.2	70
205	Broiler Litter Composition as Affected by Water Extractant, Dilution Ratio, and Extraction Time. <i>Communications in Soil Science and Plant Analysis</i> , 2010 , 41, 2340-2357	1.5	4
204	Hypoxia in the Northern Gulf of Mexico 2010 ,		38
203	Evaluating the success of phosphorus management from field to watershed. <i>Journal of Environmental Quality</i> , 2009 , 38, 1981-8	3.4	95
202	Application of manure to no-till soils: phosphorus losses by sub-surface and surface pathways. <i>Nutrient Cycling in Agroecosystems</i> , 2009 , 84, 215-227	3.3	105
201	Five-Year Change in Soil Profile Chemical Properties as Affected by Broiler Litter Application Rate. <i>Soil Science</i> , 2009 , 174, 531-542	0.9	9

200	Nitrogen fate in drainage ditches of the coastal plain after dredging. <i>Journal of Environmental Quality</i> , 2009 , 38, 2449-57	3.4	7
199	Phosphorus Speciation and Sorption-Desorption Characteristics in Heavily Manured Soils. <i>Soil Science Society of America Journal</i> , 2009 , 73, 93-101	2.5	71
198	Impact of Dredging on Phosphorus Transport in Agricultural Drainage Ditches of the Atlantic Coastal Plain1. <i>Journal of the American Water Resources Association</i> , 2008 , 44, 1500-1511	2.1	16
197	Agriculture. Sustainable biofuels redux. <i>Science</i> , 2008 , 322, 49-50	33.3	322
196	Treatment of drainage water with industrial by-products to prevent phosphorus loss from tile-drained land. <i>Journal of Environmental Quality</i> , 2008 , 37, 1575-82	3.4	51
195	Phosphorus loss from an agricultural watershed as a function of storm size. <i>Journal of Environmental Quality</i> , 2008 , 37, 362-8	3.4	118
194	The new gold rush: fueling ethanol production while protecting water quality. <i>Journal of Environmental Quality</i> , 2008 , 37, 318-24	3.4	109
193	Integrating contributing areas and indexing phosphorus loss from agricultural watersheds. <i>Journal of Environmental Quality</i> , 2008 , 37, 1488-96	3.4	29
192	Modeling a Small, Northeastern Watershed with Detailed, Field-Level Data. <i>Transactions of the ASABE</i> , 2008 , 51, 471-483	0.9	14
191	Selection of a water-extractable phosphorus test for manures and biosolids as an indicator of runoff loss potential. <i>Journal of Environmental Quality</i> , 2007 , 36, 1357-67	3.4	74
190	A model for phosphorus transformation and runoff loss for surface-applied manures. <i>Journal of Environmental Quality</i> , 2007 , 36, 324-32	3.4	71
189	Hydrology of small field plots used to study phosphorus runoff under simulated rainfall. <i>Journal of Environmental Quality</i> , 2007 , 36, 1833-42	3.4	31
188	Rainfall intensity and phosphorus source effects on phosphorus transport in surface runoff from soil trays. <i>Science of the Total Environment</i> , 2007 , 373, 334-43	10.2	87
187	Developing an Environmental Manure Test for the Phosphorus Index. <i>Communications in Soil Science and Plant Analysis</i> , 2006 , 37, 2137-2155	1.5	10
186	Animal-based agriculture, phosphorus management and water quality in Brazil: options for the future. <i>Scientia Agricola</i> , 2006 , 63, 194-209	2.5	53
185	Estimating source coefficients for phosphorus site indices. <i>Journal of Environmental Quality</i> , 2006 , 35, 2195-201	3.4	27
184	Estimating Dissolved Phosphorus Concentrations in Runoff from Three Physiographic Regions of Virginia. <i>Soil Science Society of America Journal</i> , 2006 , 70, 1967-1974	2.5	31
183	Role of rainfall intensity and hydrology in nutrient transport via surface runoff. <i>Journal of Environmental Quality</i> , 2006 , 35, 1248-59	3.4	128

182	Modeling Phosphorus Transfer between Labile and Nonlabile Soil Pools. <i>Soil Science Society of America Journal</i> , 2006 , 70, 736-743	2.5	33
181	Source-related transport of phosphorus in surface runoff. <i>Journal of Environmental Quality</i> , 2006 , 35, 2229-35	3.4	31
180	Relating soil phosphorus to dissolved phosphorus in runoff: a single extraction coefficient for water quality modeling. <i>Journal of Environmental Quality</i> , 2005 , 34, 572-80	3.4	170
179	PHOSPHORUS LEACHING THROUGH INTACT SOIL COLUMNS BEFORE AND AFTER POULTRY MANURE APPLICATION. <i>Soil Science</i> , 2005 , 170, 153-166	0.9	41
178	Runoff transport of faecal coliforms and phosphorus released from manure in grass buffer conditions. <i>Letters in Applied Microbiology</i> , 2005 , 41, 230-4	2.9	27
177	Ion-Sink Phosphorus Extraction Methods Applied on 24 Soils from the Continental USA. <i>Soil Science Society of America Journal</i> , 2005 , 69, 511-521	2.5	32
176	Freeze-thaw effects on phosphorus loss in runoff from manured and catch-cropped soils. <i>Journal of Environmental Quality</i> , 2005 , 34, 2301-9	3.4	131
175	COMPARISON OF MEASURED AND SIMULATED PHOSPHORUS LOSSES WITH INDEXED SITE VULNERABILITY. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005 , 48, 557-565		50
174	Development of a Water-Extractable Phosphorus Test for Manure. <i>Soil Science Society of America Journal</i> , 2005 , 69, 695-700	2.5	37
173	Survey of Water-Extractable Phosphorus in Livestock Manures. <i>Soil Science Society of America Journal</i> , 2005 , 69, 701-708	2.5	101
172	Response to Comments on Amounts, Forms, and Solubility of Phosphorus in Soils Receiving Manure. <i>Soil Science Society of America Journal</i> , 2005 , 69, 1355-1355	2.5	0
171	A phosphorus Index for Norway. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2005 , 55, 205-213	1.1	14
170	Surface Runoff along Two Agricultural Hillslopes with Contrasting Soils. <i>Soil Science Society of America Journal</i> , 2004 , 68, 914-923	2.5	60
169	Evaluation of phosphorus transport in surface runoff from packed soil boxes. <i>Journal of Environmental Quality</i> , 2004 , 33, 1413-23	3.4	81
168	LOW-INTENSITY SPRINKLER FOR EVALUATING PHOSPHORUS TRANSPORT FROM DIFFERENT LANDSCAPE POSITIONS. <i>Applied Engineering in Agriculture</i> , 2004 , 20, 599-604	0.8	8
167	Soil and Water Chemistry. <i>Journal of Environmental Quality</i> , 2004 , 33, 1583	3.4	
166	Evaluation of the phosphorus source component in the phosphorus index for pastures. <i>Journal of Environmental Quality</i> , 2004 , 33, 2192-200	3.4	54
165	A Simple Method to Predict Dissolved Phosphorus in Runoff from Surface-Applied Manures. <i>Journal of Environmental Quality</i> , 2004 , 33, 749-756	3.4	63

164	Development of a phosphorus index for pastures fertilized with poultry litter--factors affecting phosphorus runoff. <i>Journal of Environmental Quality</i> , 2004 , 33, 2183-91	3.4	100
163	Connecting phosphorus loss from agricultural landscapes to surface water quality. <i>Chemistry and Ecology</i> , 2004 , 20, 1-40	2.3	108
162	Assessment of best management practices to minimise the runoff of manure-borne phosphorus in the United States. <i>New Zealand Journal of Agricultural Research</i> , 2004 , 47, 461-477	1.9	23
161	Amounts, Forms, and Solubility of Phosphorus in Soils Receiving Manure. <i>Soil Science Society of America Journal</i> , 2004 , 68, 2048-2057	2.5	175
160	A Simple Method to Predict Dissolved Phosphorus in Runoff from Surface-Applied Manures 2004 , 33, 749		15
159	Surface Runoff along Two Agricultural Hillslopes with Contrasting Soils 2004 , 68, 914		17
158	Effectiveness of Agricultural Best Management Practices in Reducing Phosphorous Loading to Lake Champlain 2004 , 39-52		8
157	A simple method to predict dissolved phosphorus in runoff from surface-applied manures. <i>Journal of Environmental Quality</i> , 2004 , 33, 749-56	3.4	4
156	The conceptual basis for a decision support framework to assess the risk of phosphorus loss at the field scale across Europe. <i>Journal of Plant Nutrition and Soil Science</i> , 2003 , 166, 447-458	2.3	47
155	The effects of soil carbon on phosphorus and sediment loss from soil trays by overland flow. <i>Journal of Environmental Quality</i> , 2003 , 32, 207-14	3.4	29
154	Effect of rainfall simulator and plot scale on overland flow and phosphorus transport. <i>Journal of Environmental Quality</i> , 2003 , 32, 2172-9	3.4	104
153	Environmental Soil Chemistry, Second Edition. <i>Journal of Environmental Quality</i> , 2003 , 32, 2444-2444	3.4	
152	Effect of broadcast manure on runoff phosphorus concentrations over successive rainfall events. <i>Journal of Environmental Quality</i> , 2003 , 32, 1072-81	3.4	147
151	Using Soil Phosphorus Profile Data to Assess Phosphorus Leaching Potential in Manured Soils. <i>Soil Science Society of America Journal</i> , 2003 , 67, 215-224	2.5	43
150	Soil mixing to decrease surface stratification of phosphorus in manured soils. <i>Journal of Environmental Quality</i> , 2003 , 32, 1375-84	3.4	132
149	Uptake and release of phosphorus from overland flow in a stream environment. <i>Journal of Environmental Quality</i> , 2003 , 32, 937-48	3.4	42
148	Effect of amending high phosphorus soils with flue-gas desulfurization gypsum on plant uptake and soil fractions of phosphorus. <i>Nutrient Cycling in Agroecosystems</i> , 2003 , 67, 21-29	3.3	32
147	Uptake and Release of Phosphorus from Overland Flow in a Stream Environment 2003 , 32, 937		18

146	Using Soil Phosphorus Profile Data to Assess Phosphorus Leaching Potential in Manured Soils 2003 , 67, 215		16
145	Measuring Water-Extractable Phosphorus in Manure as an Indicator of Phosphorus in Runoff. <i>Soil Science Society of America Journal</i> , 2002 , 66, 2009-2015	2.5	143
144	Effect of mixing soil aggregates on the phosphorus concentration in surface waters. <i>Journal of Environmental Quality</i> , 2002 , 31, 1294-9	3.4	15
143	Phosphorus Transport in Overland Flow in Response to Position of Manure Application. <i>Journal of Environmental Quality</i> , 2002 , 31, 217-227	3.4	44
142	The effect of antecedent moisture conditions on sediment and phosphorus loss during overland flow: Mahantango Creek catchment, Pennsylvania, USA. <i>Hydrological Processes</i> , 2002 , 16, 3037-3050	3.3	51
141	Sources of nutrient pollution to coastal waters in the United States: Implications for achieving coastal water quality goals. <i>Estuaries and Coasts</i> , 2002 , 25, 656-676		388
140	INTEGRATING PHOSPHORUS AND NITROGEN DECISION MANAGEMENT AT WATERSHED SCALES1. <i>Journal of the American Water Resources Association</i> , 2002 , 38, 479-491	2.1	20
139	Estimating soil phosphorus sorption saturation from Mehlich-3 data. <i>Communications in Soil Science and Plant Analysis</i> , 2002 , 33, 1825-1839	1.5	92
138	Response of Stream Macroinvertebrates to Agricultural Land Cover in a Small Watershed. <i>Journal of Freshwater Ecology</i> , 2002 , 17, 109-119	1.4	46
137	Availability of residual phosphorus in high phosphorus soils. <i>Communications in Soil Science and Plant Analysis</i> , 2002 , 33, 1235-1246	1.5	15
136	The effect of soil acidity on potentially mobile phosphorus in a grassland soil. <i>Journal of Agricultural Science</i> , 2002 , 139, 27-36	1	33
135	A PORTABLE RAINFALL SIMULATOR FOR PLOT-SCALE RUNOFF STUDIES. <i>Applied Engineering in Agriculture</i> , 2002 , 18,	0.8	101
134	Effect of mineral and manure phosphorus sources on runoff phosphorus. <i>Journal of Environmental Quality</i> , 2002 , 31, 2026-33	3.4	214
133	ASSESSING THE EFFICACY OF ALTERNATIVE PHOSPHORUS SORBING SOIL AMENDMENTS. <i>Soil Science</i> , 2002 , 167, 539-547	0.9	52
132	Indicator to predict the movement of phosphorus from soil to subsurface flow. <i>Environmental Science & Technology</i> , 2002 , 36, 1505-9	10.3	38
131	Production and feeding strategies for phosphorus management on dairy farms. <i>Journal of Dairy Science</i> , 2002 , 85, 3142-53	4	30
130	Phosphorus Transport in Overland Flow in Response to Position of Manure Application 2002 , 31, 217		13
129	Phosphorus transport in overland flow in response to position of manure application. <i>Journal of Environmental Quality</i> , 2002 , 31, 217-27	3.4	2

128	Analysis of potentially mobile phosphorus in arable soils using solid state nuclear magnetic resonance. <i>Journal of Environmental Quality</i> , 2002 , 31, 450-6	3.4	2
127	Environmental Management of Soil Phosphorus. <i>Soil Science Society of America Journal</i> , 2001 , 65, 1516-1532		20
126	Assessing site vulnerability to phosphorus loss in an agricultural watershed. <i>Journal of Environmental Quality</i> , 2001 , 30, 2026-36	3.4	121
125	THE USE OF ISOTOPIC EXCHANGE KINETICS TO ASSESS PHOSPHORUS AVAILABILITY IN OVERLAND FLOW AND SUBSURFACE DRAINAGE WATERS. <i>Soil Science</i> , 2001 , 166, 365-373	0.9	26
124	A Comparison of Fluvial Sediment Phosphorus (P) Chemistry in Relation to Location and Potential to Influence Stream P Concentrations. <i>Aquatic Geochemistry</i> , 2001 , 7, 255-265	1.7	57
123	Identifying critical sources of phosphorus export from agricultural watersheds. <i>Nutrient Cycling in Agroecosystems</i> , 2001 , 59, 29-38	3.3	38
122	Phosphorus loss from land to water: integrating agricultural and environmental management. <i>Plant and Soil</i> , 2001 , 237, 287-307	4.2	262
121	Interlaboratory comparison of soil phosphorus extracted by various soil test methods. <i>Communications in Soil Science and Plant Analysis</i> , 2001 , 32, 2325-2345	1.5	44
120	Phosphorus losses in subsurface flow before and after manure application to intensively farmed land. <i>Science of the Total Environment</i> , 2001 , 278, 113-25	10.2	104
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