

Gurpal S Toor

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,099
citations

182225

30
h-index

190340

53
g-index

83
all docs

83
docs citations

83
times ranked

3934
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular characterization of dissolved organic nitrogen and phosphorus in agricultural runoff and surface waters. <i>Water Research</i> , 2022, 219, 118533.	5.3	27
2	Enriched dissolved organic carbon export from a residential stormwater pond. <i>Science of the Total Environment</i> , 2021, 751, 141773.	3.9	7
3	Residential catchments to coastal waters: Forms, fluxes, and mechanisms of phosphorus transport. <i>Science of the Total Environment</i> , 2021, 765, 142767.	3.9	11
4	Nitrate-nitrogen transport in streamwater and groundwater in a loess covered region: Sources, drivers, and spatiotemporal variation. <i>Science of the Total Environment</i> , 2021, 761, 143278.	3.9	22
5	Soil health in agricultural ecosystems: Current status and future perspectives. <i>Advances in Agronomy</i> , 2021, , 157-201.	2.4	11
6	Evidence of Phosphate Mining and Agriculture Influence on Concentrations, Forms, and Ratios of Nitrogen and Phosphorus in a Florida River. <i>Water (Switzerland)</i> , 2021, 13, 1064.	1.2	4
7	Hotspots of Legacy Phosphorus in Agricultural Landscapes: Revisiting Water-Extractable Phosphorus Pools in Soils. <i>Water (Switzerland)</i> , 2021, 13, 1006.	1.2	7
8	Agronomic and environmental phosphorus decline in coastal plain soils after cessation of manure application. <i>Agriculture, Ecosystems and Environment</i> , 2021, 311, 107337.	2.5	12
9	Desalination: From Ancient to Present and Future. <i>Water (Switzerland)</i> , 2021, 13, 2222.	1.2	31
10	Organic nitrogen in residential stormwater runoff: Implications for stormwater management in urban watersheds. <i>Science of the Total Environment</i> , 2020, 707, 135962.	3.9	38
11	Assessing Soil Organic Carbon in Soils to Enhance and Track Future Carbon Stocks. <i>Agronomy</i> , 2020, 10, 1139.	1.3	8
12	Phosphorus pools in soils under rotational and continuous grazed pastures. , 2020, 3, e20103.		4
13	Concentrations and Loads of Dissolved and Particulate Organic Carbon in Urban Stormwater Runoff. <i>Water (Switzerland)</i> , 2020, 12, 1031.	1.2	10
14	Composition of nitrogen in urban residential stormwater runoff: Concentrations, loads, and source characterization of nitrate and organic nitrogen. <i>PLoS ONE</i> , 2020, 15, e0229715.	1.1	50
15	Wet season nitrogen export from a residential stormwater pond. <i>PLoS ONE</i> , 2020, 15, e0230908.	1.1	10
16	Title is missing!. , 2020, 15, e0229715.		0
17	Title is missing!. , 2020, 15, e0229715.		0
18	Title is missing!. , 2020, 15, e0229715.		0

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19	Title is missing!. , 2020, 15, e0229715.		0
20	Blood Transcriptomics Analysis of Fish Exposed to Perfluoro Alkyls Substances: Assessment of a Non-Lethal Sampling Technique for Advancing Aquatic Toxicology Research. Environmental Science & Technology, 2019, 53, 1441-1452.	4.6	35
21	Composition, sources, and bioavailability of nitrogen in a longitudinal gradient from freshwater to estuarine waters. Water Research, 2018, 137, 344-354.	5.3	51
22	Characterization of dissolved organic nitrogen in leachate from a newly established and fertilized turfgrass. Water Research, 2018, 131, 52-61.	5.3	27
23	Desalination of Water: a Review. Current Pollution Reports, 2018, 4, 104-111.	3.1	169
24	Trace metals in the soils of Water Conservation Area of Florida Everglades: Considerations for ecosystem restoration. Journal of Soils and Sediments, 2018, 18, 342-351.	1.5	7
25	Stormwater runoff driven phosphorus transport in an urban residential catchment: Implications for protecting water quality in urban watersheds. Scientific Reports, 2018, 8, 11681.	1.6	32
26	Sources and mechanisms of nitrate and orthophosphate transport in urban stormwater runoff from residential catchments. Water Research, 2017, 112, 176-184.	5.3	138
27	Contamination of the Upper Class: Occurrence and Effects of Chemical Pollutants in Terrestrial Top Predators. Current Pollution Reports, 2017, 3, 206-219.	3.1	18
28	A review of the fate and transport of nitrogen, phosphorus, pathogens, and trace organic chemicals in septic systems. Critical Reviews in Environmental Science and Technology, 2017, 47, 455-541.	6.6	87
29	Nitrogen transformations in the mounded drainfields of drip dispersal and gravel trench septic systems. Ecological Engineering, 2017, 102, 352-360.	1.6	6
30	Micropollutants in groundwater from septic systems: Transformations, transport mechanisms, and human health risk assessment. Water Research, 2017, 123, 258-267.	5.3	84
31	Latin American protected areas: Protected from chemical pollution?. Integrated Environmental Assessment and Management, 2017, 13, 360-370.	1.6	17
32	Septic Systems Contribution to Phosphorus in Shallow Groundwater: Field-Scale Studies Using Conventional Drainfield Designs. PLoS ONE, 2017, 12, e0170304.	1.1	8
33	Managing urban runoff in residential neighborhoods: Nitrogen and phosphorus in lawn irrigation driven runoff. PLoS ONE, 2017, 12, e0179151.	1.1	48
34	Managing legacy and new sources of phosphorus to reduce leaching in Mid-Atlantic soils. Crops & Soils, 2016, 49, 40-47.	0.1	8
35	Phosphorus Leaching in Soils Amended with Animal Manures Generated from Modified Diets. Journal of Environmental Quality, 2016, 45, 1385-1391.	1.0	18
36	Mass Balance of Water and Nitrogen in the Mounded Drainfield of a Drip-Dispersal Septic System. Journal of Environmental Quality, 2016, 45, 1392-1399.	1.0	8

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37	High Removal of Effluent-Borne Nitrogen with Multiple External Electron Donors in the Engineered Drainfield of an Advanced Septic System. <i>Journal of Environmental Quality</i> , 2016, 45, 1874-1882.	1.0	7
38	Footprints of Urban Micro-Pollution in Protected Areas: Investigating the Longitudinal Distribution of Perfluoroalkyl Acids in Wildlife Preserves. <i>PLoS ONE</i> , 2016, 11, e0148654.	1.1	14
39	A Review of Uptake and Translocation of Pharmaceuticals and Personal Care Products by Food Crops Irrigated with Treated Wastewater. <i>Advances in Agronomy</i> , 2016, 140, 75-100.	2.4	23
40	Dissolved organic nitrogen in urban streams: Biodegradability and molecular composition studies. <i>Water Research</i> , 2016, 96, 225-235.	5.3	97
41	Fate, mass balance, and transport of phosphorus in the septic system drainfields. <i>Chemosphere</i> , 2016, 159, 153-158.	4.2	10
42	Septic systems as hot-spots of pollutants in the environment: Fate and mass balance of micropollutants in septic drainfields. <i>Science of the Total Environment</i> , 2016, 566-567, 1535-1544.	3.9	25
43	$\delta^{15}\text{N}$ and $\delta^{18}\text{O}$ Reveal the Sources of Nitrate-Nitrogen in Urban Residential Stormwater Runoff. <i>Environmental Science & Technology</i> , 2016, 50, 2881-2889.	4.6	122
44	Biodegradability and Molecular Composition of Dissolved Organic Nitrogen in Urban Stormwater Runoff and Outflow Water from a Stormwater Retention Pond. <i>Environmental Science & Technology</i> , 2016, 50, 3391-3398.	4.6	79
45	Fate of Effluent-Borne Nitrogen in the Mounded Drainfield of an Onsite Wastewater Treatment System. <i>Vadose Zone Journal</i> , 2015, 14, 1-12.	1.3	20
46	Managing Phosphorus Leaching in Mid-Atlantic Soils: Importance of Legacy Sources. <i>Vadose Zone Journal</i> , 2015, 14, 1-12.	1.3	28
47	Transcriptional and physiological response of fathead minnows (<i>Pimephales promelas</i>) exposed to urban waters entering into wildlife protected areas. <i>Environmental Pollution</i> , 2015, 199, 155-165.	3.7	12
48	Tolerance and Antioxidant Response of a Dark Septate Endophyte (DSE), <i>Exophiala pisciphila</i> , to Cadmium Stress. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 94, 96-102.	1.3	32
49	Pharmaceuticals and organochlorine pesticides in sediments of an urban river in Florida, USA. <i>Journal of Soils and Sediments</i> , 2015, 15, 993-1004.	1.5	59
50	Subcellular distribution and chemical forms of cadmium in a dark septate endophyte (DSE), <i>Exophiala pisciphila</i> . <i>Environmental Science and Pollution Research</i> , 2015, 22, 17897-17905.	2.7	25
51	Modeling water flow and nitrate-nitrogen transport on golf course under turfgrass. <i>Journal of Soils and Sediments</i> , 2015, 15, 1847-1859.	1.5	14
52	Sorption characteristics of cyromazine and its metabolite melamine in typical agricultural soils of China. <i>Environmental Science and Pollution Research</i> , 2014, 21, 979-985.	2.7	7
53	Evaluating nutrient impacts in urban watersheds: Challenges and research opportunities. <i>Environmental Pollution</i> , 2013, 173, 138-149.	3.7	154
54	Changes in heavy metal contents in animal feeds and manures in an intensive animal production region of China. <i>Journal of Environmental Sciences</i> , 2013, 25, 2435-2442.	3.2	188

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55	Temporal variability in water quality parameters—a case study of drinking water reservoir in Florida, USA. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4305-4320.	1.3	11
56	Groundwater Science, 2nd Edition. <i>Journal of Environmental Quality</i> , 2013, 42, 1602-1603.	1.0	0
57	Water Quality and Land Use Changes in the Alafia and Hillsborough River Watersheds, Florida, USA. <i>Journal of the American Water Resources Association</i> , 2012, 48, 1276-1293.	1.0	15
58	Toxicity and bioaccumulation of biosolids-borne triclosan in food crops. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2130-2137.	2.2	60
59	Toxicity and bioaccumulation of biosolids-borne triclosan in terrestrial organisms. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 646-653.	2.2	35
60	A Review of Turfgrass Fertilizer Management Practices: Implications for Urban Water Quality. <i>HortTechnology</i> , 2012, 22, 280-291.	0.5	62
61	Regulatory and Resource Management Practices for Urban Watersheds: The Florida Experience. <i>HortTechnology</i> , 2012, 22, 418-429.	0.5	9
62	Effect of Tomato Packinghouse Wastewater Properties on Phosphorus and Cation Leaching in a Spodosol. <i>Journal of Environmental Quality</i> , 2011, 40, 999-1009.	1.0	12
63	Biodegradation of triclosan in biosolids-amended soils. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2488-2496.	2.2	33
64	In situ estimation of water quality parameters in freshwater aquaculture ponds using hyperspectral imaging system. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2011, 66, 463-472.	4.9	41
65	Phosphorus Distribution in Sequentially Extracted Fractions of Biosolids, Poultry Litter, and Granulated Products. <i>Soil Science</i> , 2010, 175, 154-161.	0.9	40
66	Polycyclic Aromatic Hydrocarbons in Urban Soils of Different Land Uses in Miami, Florida. <i>Soil and Sediment Contamination</i> , 2010, 19, 231-243.	1.1	98
67	Trace Metals and Polycyclic Aromatic Hydrocarbons in an Urbanized Area of Florida. <i>Soil and Sediment Contamination</i> , 2010, 19, 419-435.	1.1	10
68	Florida Commercial Horticultural Production: Constraints Limiting Water and Nutrient Use Efficiency. <i>HortTechnology</i> , 2010, 20, 89-93.	0.5	10
69	Enhancing Phosphorus Availability in Low-Phosphorus Soils by Using Poultry Manure and Commercial Fertilizer. <i>Soil Science</i> , 2009, 174, 358-364.	0.9	19
70	Evaluation of Regression Methodology with Low-Frequency Water Quality Sampling to Estimate Constituent Loads for Ephemeral Watersheds in Texas. <i>Journal of Environmental Quality</i> , 2008, 37, 1847-1854.	1.0	23
71	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, 1357-1367.	1.0	90
72	Comparison of Phosphorus Forms in Wet and Dried Animal Manures by Solution Phosphorus-31 Nuclear Magnetic Resonance Spectroscopy and Enzymatic Hydrolysis. <i>Journal of Environmental Quality</i> , 2007, 36, 1086-1095.	1.0	66

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73	Advances in the Characterization of Phosphorus in Organic Wastes: Environmental and Agronomic Applications. <i>Advances in Agronomy</i> , 2006, 89, 1-72.	2.4	112
74	Reducing phosphorus in dairy diets improves farm nutrient balances and decreases the risk of nonpoint pollution of surface and ground waters. <i>Agriculture, Ecosystems and Environment</i> , 2005, 105, 401-411.	2.5	25
75	Phosphorus Speciation in Broiler Litter and Turkey Manure Produced from Modified Diets. <i>Journal of Environmental Quality</i> , 2005, 34, 687-697.	1.0	117
76	Establishing a Linkage between Phosphorus Forms in Dairy Diets, Feces, and Manures. <i>Journal of Environmental Quality</i> , 2005, 34, 1380-1391.	1.0	77
77	Seasonal Fluctuations in Phosphorus Loss by Leaching from a Grassland Soil. <i>Soil Science Society of America Journal</i> , 2004, 68, 1429-1436.	1.2	29
78	Assessment of phosphorus leaching losses from a free draining grassland soil. <i>Nutrient Cycling in Agroecosystems</i> , 2004, 69, 167-184.	1.1	24
79	Impact of farm dairy effluent application on the amounts and forms of phosphorus loss by leaching from irrigated grassland. <i>New Zealand Journal of Agricultural Research</i> , 2004, 47, 479-490.	0.9	8
80	Characterization of organic phosphorus in leachate from a grassland soil. <i>Soil Biology and Biochemistry</i> , 2003, 35, 1317-1323.	4.2	142