

# S P Inamdar

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

2,763  
citations

201385

27  
h-index

182168

51  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ghosts of landuse past: legacy effects of milldams for riparian nitrogen (N) processing and water quality functions. <i>Environmental Research Letters</i> , 2021, 16, 035016.	2.2	12
2	Effects of Atmospheric Circulation on Stream Chemistry in Forested Watersheds Across the Northeastern United States: Part 1. Synopticâ€Scale Forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033413.	1.2	3
3	Effects of Atmospheric Circulation on Stream Chemistry in Forested Watersheds Across the Northeastern United States: Part 2. Interannual Weather Type Variability. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034546.	1.2	2
4	Draining the Landscape: How Do Nitrogen Concentrations in Riparian Groundwater and Stream Water Change Following Milldam Removal?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006444.	1.3	13
5	After the Storm: Fate and Leaching of Particulate Nitrogen (PN) in the Fluvial Network and the Influence of Watershed Sources and Moisture Conditions. <i>Water (Switzerland)</i> , 2021, 13, 3182.	1.2	0
6	Agricultural Practices and Hydrologic Conditions Shape the Temporal Pattern of Soil and Stream Water Dissolved Organic Matter. <i>Ecosystems</i> , 2020, 23, 1325-1343.	1.6	10
7	Stream Restoration for Legacy Sediments at Gramies Run, Maryland: Early Lessons from Implementation, Water Quality Monitoring, and Soil Health. <i>Water (Switzerland)</i> , 2020, 12, 2164.	1.2	7
8	Nutrients and Heavy Metals in Legacy Sediments: Concentrations, Comparisons with Upland Soils, and Implications for Water Quality. <i>Journal of the American Water Resources Association</i> , 2020, 56, 669-691.	1.0	16
9	Streambank Legacy Sediments in Surface Waters: Phosphorus Sources or Sinks?. <i>Soil Systems</i> , 2020, 4, 30.	1.0	12
10	Streambank Legacy Sediment Contributions to Suspended Sedimentâ€Bound Nutrient Yields from a Midâ€Atlantic, Piedmont Watershed. <i>Journal of the American Water Resources Association</i> , 2020, 56, 820-841.	1.0	17
11	Bacterial communities and nitrogen transformation genes in streambank legacy sediments and implications for biogeochemical processing. <i>Biogeochemistry</i> , 2020, 148, 271-290.	1.7	9
12	Upscaling soil-atmosphere CO2 and CH4 fluxes across a topographically complex forested landscape. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 80-91.	1.9	18
13	Particulate Organic Matter Composition in Stream Runoff Following Large Storms: Role of POM Sources, Particle Size, and Event Characteristics. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 660-675.	1.3	28
14	Transitional slopes act as hotspots of both soil CO2 emission and CH4 uptake in a temperate forest landscape. <i>Biogeochemistry</i> , 2018, 138, 121-135.	1.7	10
15	River network saturation concept: factors influencing the balance of biogeochemical supply and demand of river networks. <i>Biogeochemistry</i> , 2018, 141, 503-521.	1.7	96
16	In the path of the Hurricane: impact of Hurricane Irene and Tropical Storm Lee on watershed hydrology and biogeochemistry from North Carolina to Maine, USA. <i>Biogeochemistry</i> , 2018, 141, 351-364.	1.7	26
17	Molecular fingerprinting of particulate organic matter as a new tool for its source apportionment: changes along a headwater drainage in coarse, medium and fine particles as a function of rainfalls. <i>Biogeosciences</i> , 2018, 15, 973-985.	1.3	7
18	Freezeâ€thaw processes and intense rainfall: the one-two punch for high sediment and nutrient loads from mid-Atlantic watersheds. <i>Biogeochemistry</i> , 2018, 141, 333-349.	1.7	30

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19	Before the storm: antecedent conditions as regulators of hydrologic and biogeochemical response to extreme climate events. <i>Biogeochemistry</i> , 2018, 141, 487-501.	1.7	38
20	Carbon Dioxide and Methane Fluxes From Tree Stems, Coarse Woody Debris, and Soils in an Upland Temperate Forest. <i>Ecosystems</i> , 2017, 20, 1205-1216.	1.6	74
21	Influence of experimental extreme water pulses on greenhouse gas emissions from soils. <i>Biogeochemistry</i> , 2017, 133, 147-164.	1.7	49
22	Evolution of particulate organic matter (POM) along a headwater drainage: role of sources, particle size class, and storm magnitude. <i>Biogeochemistry</i> , 2017, 133, 181-200.	1.7	25
23	High-frequency dissolved organic carbon and nitrate measurements reveal differences in storm hysteresis and loading in relation to land cover and seasonality. <i>Water Resources Research</i> , 2017, 53, 5345-5363.	1.7	159
24	Importance of within-lake processes in affecting the dynamics of dissolved organic carbon and dissolved organic and inorganic nitrogen in an Adirondack forested lake/watershed. <i>Biogeosciences</i> , 2016, 13, 2787-2801.	1.3	11
25	A Comparative Assessment of Runoff Nitrogen from Turf, Forest, Meadow, and Mixed Landuse Watersheds. <i>Journal of the American Water Resources Association</i> , 2016, 52, 397-408.	1.0	10
26	Dissimilatory microbial iron reduction release DOC (dissolved organic carbon) from carbon-ferrihydrite association. <i>Soil Biology and Biochemistry</i> , 2016, 103, 232-240.	4.2	114
27	Public preferences for ecosystem services on exurban landscapes: A case study from the Mid-Atlantic, USA. <i>Heliyon</i> , 2016, 2, e00127.	1.4	3
28	Variation of organic matter quantity and quality in streams at Critical Zone Observatory watersheds. <i>Water Resources Research</i> , 2016, 52, 8202-8216.	1.7	21
29	Particulate nitrogen exports in stream runoff exceed dissolved nitrogen forms during large tropical storms in a temperate, headwater, forested watershed. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2015, 120, 1548-1566.	1.3	32
30	Changes in dissolved organic matter (DOM) amount and composition along nested headwater stream locations during baseflow and stormflow. <i>Hydrological Processes</i> , 2015, 29, 1505-1520.	1.1	30
31	Seasonal pattern of dissolved organic matter (DOM) in watershed sources: influence of hydrologic flow paths and autumn leaf fall. <i>Biogeochemistry</i> , 2014, 118, 321-337.	1.7	102
32	Storm event patterns of particulate organic carbon (POC) for large storms and differences with dissolved organic carbon (DOC). <i>Biogeochemistry</i> , 2014, 118, 61-81.	1.7	73
33	Land application of poultry manure and its influence on spectrofluorometric characteristics of dissolved organic matter. <i>Agriculture, Ecosystems and Environment</i> , 2014, 193, 25-36.	2.5	37
34	Temporal variation in end-member chemistry and its influence on runoff mixing patterns in a forested, Piedmont catchment. <i>Water Resources Research</i> , 2013, 49, 1828-1844.	1.7	74
35	Statewide Survey of Hormones and Antibiotics in Surface Waters of Delaware. <i>Journal of the American Water Resources Association</i> , 2013, 49, 463-474.	1.0	7
36	Extreme storms and changes in particulate and dissolved organic carbon in runoff: Entering uncharted waters?. <i>Geophysical Research Letters</i> , 2013, 40, 1322-1327.	1.5	114

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37	Comparison of Two PARAFAC Models of Dissolved Organic Matter Fluorescence for a Mid-Atlantic Forested Watershed in the USA. <i>Journal of Ecosystems</i> , 2013, 2013, 1-16.	0.7	49
38	Dissolved Organic Carbon and Estrogen Transport in Surface Runoff From Agricultural Land Receiving Poultry Litter. <i>Journal of the American Water Resources Association</i> , 2012, 48, 558-569.	1.0	14
39	Dissolved organic matter (DOM) concentration and quality in a forested mid-Atlantic watershed, USA. <i>Biogeochemistry</i> , 2012, 108, 55-76.	1.7	198
40	Simultaneous Analysis of Free and Conjugated Estrogens, Sulfonamides, and Tetracyclines in Runoff Water and Soils Using Solid-Phase Extraction and Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2213-2222.	2.4	60
41	Fluorescence characteristics and sources of dissolved organic matter for stream water during storm events in a forested mid-Atlantic watershed. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	155
42	The Use of Geochemical Mixing Models to Derive Runoff Sources and Hydrologic Flow Paths. <i>Ecological Studies</i> , 2011, , 163-183.	0.4	12
43	Hot Spots and Hot Moments in Riparian Zones: Potential for Improved Water Quality Management. <i>Journal of the American Water Resources Association</i> , 2010, 46, 278-298.	1.0	398
44	Free and Conjugated Estrogen Exports in Surface Runoff from Poultry Litter-Amended Soil. <i>Journal of Environmental Quality</i> , 2010, 39, 1688-1698.	1.0	57
45	Groundwater flushing of solutes at wetland and hillslope positions during storm events in a small glaciated catchment in western New York, USA. <i>Hydrological Processes</i> , 2009, 23, 1912-1926.	1.1	15
46	Sulfate exports from multiple catchments in a glaciated forested watershed in western New York, USA. <i>Environmental Monitoring and Assessment</i> , 2008, 139, 227-245.	1.3	6
47	Differences in Dissolved Organic Carbon and Nitrogen Responses to Storm Event and Groundwater Conditions in a Forested, Glaciated Watershed in Western New York. <i>Journal of the American Water Resources Association</i> , 2008, 44, 1458-1473.	1.0	22
48	Use of Benthic Macroinvertebrate Indices to Assess Aquatic Health in a Mixed-Landuse Watershed. <i>Journal of Freshwater Ecology</i> , 2007, 22, 539-551.	0.5	5
49	Contributions of riparian and hillslope waters to storm runoff across multiple catchments and storm events in a glaciated forested watershed. <i>Journal of Hydrology</i> , 2007, 341, 116-130.	2.3	57
50	Exports of dissolved ammonium (NH <sub>4</sub> <sup>+</sup> ) during storm events across multiple catchments in a glaciated forested watershed. <i>Environmental Monitoring and Assessment</i> , 2007, 133, 347-363.	1.3	1
51	Assessment of Sediment Yields for a Mixed-landuse Great Lakes Watershed: Lessons from Field Measurements and Modeling. <i>Journal of Great Lakes Research</i> , 2006, 32, 471-488.	0.8	9
52	CHALLENGES IN MODELING HYDROLOGIC AND WATER QUALITY PROCESSES IN RIPARIAN ZONES. <i>Journal of the American Water Resources Association</i> , 2006, 42, 5-14.	1.0	5
53	The impact of storm events on solute exports from a glaciated forested watershed in western New York, USA. <i>Hydrological Processes</i> , 2006, 20, 3423-3439.	1.1	111
54	BMP IMPACTS ON SEDIMENT AND NUTRIENT YIELDS FROM AN AGRICULTURAL WATERSHED IN THE COASTAL PLAIN REGION. <i>Transactions of the American Society of Agricultural Engineers</i> , 2001, 44, 1191.	0.9	57

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55	Role of within-lake processes and hydrobiogeochemical changes over 16 years in a watershed in the Adirondack Mountains of New York State, USA. Hydrological Processes, 2001, 15, 1951-1965.	1.1	39
56	RELATIONSHIPS BETWEEN DRAINAGE AREA, SLOPE LENGTH, AND SLOPE GRADIENT FOR RIPARIAN SLOPES IN VIRGINIA. Transactions of the American Society of Agricultural Engineers, 2000, 43, 861-866.	0.9	5
57	ANIMALWASTE BMP IMPACTS ON SEDIMENT AND NUTRIENT LOSSES IN RUNOFF FROM THE OWL RUN WATERSHED. Transactions of the American Society of Agricultural Engineers, 2000, 43, 1155-1166.	0.9	50
58	RIPARIAN ECOSYSTEM MANAGEMENT MODEL (REMM): II. TESTING OF THE WATER QUALITY AND NUTRIENT CYCLING COMPONENT FOR A COASTAL PLAIN RIPARIAN SYSTEM. Transactions of the American Society of Agricultural Engineers, 1999, 42, 1691-1707.	0.9	36
59	RIPARIAN ECOSYSTEM MANAGEMENT MODEL (REMM): I. TESTING OF THE HYDROLOGIC COMPONENT FOR A COASTAL PLAIN RIPARIAN SYSTEM. Transactions of the American Society of Agricultural Engineers, 1999, 42, 1679-1690.	0.9	36
60	WATER QUALITY IMPACTS OF NATURAL FILTER STRIPS IN KARST AREAS. Transactions of the American Society of Agricultural Engineers, 1998, 41, 371-381.	0.9	72
61	"Estimation of copper in serum, erythrocyte and urine in protein calorie malnutrition". Indian Pediatrics, 1976, 13, 767-71.	0.2	2
62	Evaluation of glutathione instability in indian children. Indian Pediatrics, 1969, 6, 59-66.	0.2	2