

S P Inamdar

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,763
citations

201674
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all docs

63
docs citations

63
times ranked

3297
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot Spots and Hot Moments in Riparian Zones: Potential for Improved Water Quality Management¹. Journal of the American Water Resources Association, 2010, 46, 278-298.	2.4	398
2	Dissolved organic matter (DOM) concentration and quality in a forested mid-Atlantic watershed, USA. Biogeochemistry, 2012, 108, 55-76.	3.5	198
3	Highâ€frequency dissolved organic carbon and nitrate measurements reveal differences in storm hysteresis and loading in relation to land cover and seasonality. Water Resources Research, 2017, 53, 5345-5363.	4.2	159
4	Fluorescence characteristics and sources of dissolved organic matter for stream water during storm events in a forested mid-Atlantic watershed. Journal of Geophysical Research, 2011, 116, .	3.3	155
5	Extreme storms and changes in particulate and dissolved organic carbon in runoff: Entering uncharted waters?. Geophysical Research Letters, 2013, 40, 1322-1327.	4.0	114
6	Dissimilatory microbial iron reduction release DOC (dissolved organic carbon) from carbon-ferrihydrite association. Soil Biology and Biochemistry, 2016, 103, 232-240.	8.8	114
7	The impact of storm events on solute exports from a glaciated forested watershed in western New York, USA. Hydrological Processes, 2006, 20, 3423-3439.	2.6	111
8	Seasonal pattern of dissolved organic matter (DOM) in watershed sources: influence of hydrologic flow paths and autumn leaf fall. Biogeochemistry, 2014, 118, 321-337.	3.5	102
9	River network saturation concept: factors influencing the balance of biogeochemical supply and demand of river networks. Biogeochemistry, 2018, 141, 503-521.	3.5	96
10	Temporal variation in endâ€member chemistry and its influence on runoff mixing patterns in a forested, Piedmont catchment. Water Resources Research, 2013, 49, 1828-1844.	4.2	74
11	Carbon Dioxide and Methane Fluxes From Tree Stems, Coarse Woody Debris, and Soils in an Upland Temperate Forest. Ecosystems, 2017, 20, 1205-1216.	3.4	74
12	Storm event patterns of particulate organic carbon (POC) for large storms and differences with dissolved organic carbon (DOC). Biogeochemistry, 2014, 118, 61-81.	3.5	73
13	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
14	Simultaneous Analysis of Free and Conjugated Estrogens, Sulfonamides, and Tetracyclines in Runoff Water and Soils Using Solid-Phase Extraction and Liquid Chromatographyâ€Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 2213-2222.	5.2	60
15	BMP IMPACTS ON SEDIMENT AND NUTRIENT YIELDS FROM AN AGRICULTURAL WATERSHED IN THE COASTAL PLAIN REGION. Transactions of the American Society of Agricultural Engineers, 2001, 44, 1191.	0.9	57
16	Contributions of riparian and hillslope waters to storm runoff across multiple catchments and storm events in a glaciated forested watershed. Journal of Hydrology, 2007, 341, 116-130.	5.4	57
17	Free and Conjugated Estrogen Exports in Surfaceâ€Runoff from Poultry Litterâ€Amended Soil. Journal of Environmental Quality, 2010, 39, 1688-1698.	2.0	57
18	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

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19	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
20	Influence of experimental extreme water pulses on greenhouse gas emissions from soils. <i>Biogeochemistry</i> , 2017, 133, 147-164.	3.5	49
21	Role of within-lake processes and hydrobiogeochemical changes over 16 years in a watershed in the Adirondack Mountains of New York State, USA. <i>Hydrological Processes</i> , 2001, 15, 1951-1965.	2.6	39
22	Before the storm: antecedent conditions as regulators of hydrologic and biogeochemical response to extreme climate events. <i>Biogeochemistry</i> , 2018, 141, 487-501.	3.5	38
23	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.	5.3	37
24	RIPARIAN ECOSYSTEM MANAGEMENT MODEL (REMM): II. TESTING OF THE WATER QUALITY AND NUTRIENT CYCLING COMPONENT FOR A COASTAL PLAIN RIPARIAN SYSTEM. <i>Transactions of the American Society of Agricultural Engineers</i> , 1999, 42, 1691-1707.	0.9	36
25	RIPARIAN ECOSYSTEM MANAGEMENT MODEL (REMM): I. TESTING OF THE HYDROLOGIC COMPONENT FOR A COASTAL PLAIN RIPARIAN SYSTEM. <i>Transactions of the American Society of Agricultural Engineers</i> , 1999, 42, 1679-1690.	0.9	36
26	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 G: Biogeosciences</i> , 2015, 120, 1548-1566.	3.0	32
27	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.	2.6	30
28	Freeze-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.	3.5	30
29	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.	3.0	28
30	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.	3.5	26
31	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.	3.5	25
32	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.	2.4	22
33	Variation of organic matter quantity and quality in streams at Critical Zone Observatory watersheds. <i>Water Resources Research</i> , 2016, 52, 8202-8216.	4.2	21
34	Upscaling soil-atmosphere CO ₂ and CH ₄ fluxes across a topographically complex forested landscape. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 80-91.	4.8	18
35	Streambank Legacy Sediment Contributions to Suspended Sediment-Bound Nutrient Yields from a Mid-Atlantic, Piedmont Watershed. <i>Journal of the American Water Resources Association</i> , 2020, 56, 820-841.	2.4	17
36	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.	2.4	16

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37	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.	2.6	15
38	Dissolved Organic Carbon and Estrogen Transport in Surface Runoff From Agricultural Land Receiving Poultry Litter ¹ . <i>Journal of the American Water Resources Association</i> , 2012, 48, 558-569.	2.4	14
39	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.	3.0	13
40	Streambank Legacy Sediments in Surface Waters: Phosphorus Sources or Sinks?. <i>Soil Systems</i> , 2020, 4, 30.	2.6	12
41	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.	5.2	12
42	The Use of Geochemical Mixing Models to Derive Runoff Sources and Hydrologic Flow Paths. <i>Ecological Studies</i> , 2011, , 163-183.	1.2	12
43	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.	3.3	11
44	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.	2.4	10
45	Transitional slopes act as hotspots of both soil CO ₂ emission and CH ₄ uptake in a temperate forest landscape. <i>Biogeochemistry</i> , 2018, 138, 121-135.	3.5	10
46	Agricultural Practices and Hydrologic Conditions Shape the Temporal Pattern of Soil and Stream Water Dissolved Organic Matter. <i>Ecosystems</i> , 2020, 23, 1325-1343.	3.4	10
47	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.	1.9	9
48	Bacterial communities and nitrogen transformation genes in streambank legacy sediments and implications for biogeochemical processing. <i>Biogeochemistry</i> , 2020, 148, 271-290.	3.5	9
49	Statewide Survey of Hormones and Antibiotics in Surface Waters of Delaware. <i>Journal of the American Water Resources Association</i> , 2013, 49, 463-474.	2.4	7
50	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.	3.3	7
51	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.	2.7	7
52	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.	2.7	6
53	RELATIONSHIPS BETWEEN DRAINAGE AREA, SLOPE LENGTH, AND SLOPE GRADIENT FOR RIPARIAN SLOPES IN VIRGINIA. <i>Transactions of the American Society of Agricultural Engineers</i> , 2000, 43, 861-866.	0.9	5
54	CHALLENGES IN MODELING HYDROLOGIC AND WATER QUALITY PROCESSES IN RIPARIAN ZONES. <i>Journal of the American Water Resources Association</i> , 2006, 42, 5-14.	2.4	5

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55	Use of Benthic Macroinvertebrate Indices to Assess Aquatic Health in a Mixed-Landuse Watershed. Journal of Freshwater Ecology, 2007, 22, 539-551.	1.2	5
56	Public preferences for ecosystem services on exurban landscapes: A case study from the Mid-Atlantic, USA. Heliyon, 2016, 2, e00127.	3.2	3
57	Effects of Atmospheric Circulation on Stream Chemistry in Forested Watersheds Across the Northeastern United States: Part 1. Synopticâ€Scale Forcing. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033413.	3.3	3
58	Effects of Atmospheric Circulation on Stream Chemistry in Forested Watersheds Across the Northeastern United States: Part 2. Interannual Weather Type Variability. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034546.	3.3	2
59	"Estimation of copper in serum, erythrocyte and urine in protein calorie malnutrition". Indian Pediatrics, 1976, 13, 767-71.	0.4	2
60	Evaluation of glutathione instability in indian children. Indian Pediatrics, 1969, 6, 59-66.	0.4	2
61	Exports of dissolved ammonium (NH ₄ ⁺) during storm events across multiple catchments in a glaciated forested watershed. Environmental Monitoring and Assessment, 2007, 133, 347-363.	2.7	1
62	After the Storm: Fate and Leaching of Particulate Nitrogen (PN) in the Fluvial Network and the Influence of Watershed Sources and Moisture Conditions. Water (Switzerland), 2021, 13, 3182.	2.7	0