

# K G Karthikeyan

## List of Publications by Year in descending order

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69  
papers

4,484  
citations

212478

28  
h-index

124990

64  
g-index

69  
all docs

69  
docs citations

69  
times ranked

6040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of land use and tillage practice on soil macropore characteristics inferred from X-ray computed tomography. <i>Catena</i> , 2022, 210, 105886.	2.2	17
2	Precipitating phosphorus as struvite from anaerobically-digested dairy manure. <i>Journal of Cleaner Production</i> , 2022, 339, 130675.	4.6	10
3	Solubilization of Lignocellulosic Biomass Using Pretreatments for Enhanced Methane Production during Anaerobic Digestion of Manure. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 753-760.	3.7	7
4	Simulation-based analysis of full-scale implementation of energy neutral wastewater treatment plants. <i>Journal of Water Process Engineering</i> , 2021, 40, 101875.	2.6	7
5	Life cycle assessment of electrodialysis for sidestream nitrogen recovery in municipal wastewater treatment. <i>Cleaner Environmental Systems</i> , 2021, 2, 100026.	2.2	9
6	Mesoporous cellulose-chitosan composite hydrogel fabricated via the co-dissolution-regeneration process as biosorbent of heavy metals. <i>Environmental Pollution</i> , 2021, 286, 117324.	3.7	46
7	Effects of severe pretreatment conditions and lignocellulose-derived furan byproducts on anaerobic digestion of dairy manure. <i>Bioresource Technology</i> , 2021, 340, 125632.	4.8	22
8	Ultrathin quasi-hexagonal gold nanostructures for sensing arsenic in tap water. <i>RSC Advances</i> , 2020, 10, 20211-20221.	1.7	13
9	Economic analysis of electrodialysis, denitrification, and anammox for nitrogen removal in municipal wastewater treatment. <i>Journal of Cleaner Production</i> , 2020, 262, 121145.	4.6	59
10	Fall Tillage Reduced Nutrient Loads from Liquid Manure Application during the Freezing Season. <i>Journal of Environmental Quality</i> , 2019, 48, 889-898.	1.0	16
11	Quantity and quality of water percolating below the root zone of three biofuel feedstock crop systems. <i>Agricultural Water Management</i> , 2019, 221, 109-119.	2.4	7
12	Using Atmospheric Fallout Radionuclides <sup>137</sup> Cs and <sup>210</sup> Pbxs to Identify Sources of Suspended Sediment in an Agricultural Watershed. <i>Transactions of the ASABE</i> , 2019, 62, 529-538.	1.1	2
13	Effects of Binary Mixtures and Transpiration on Accumulation of Pharmaceuticals by Spinach. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4850-4859.	4.6	22
14	Dynamics of Measured and Simulated Dissolved Phosphorus in Runoff from Winterâ€™Applied Dairy Manure. <i>Journal of Environmental Quality</i> , 2019, 48, 899-906.	1.0	12
15	Manure application timing drives energy absorption for snowmelt on an agricultural soil. <i>Journal of Hydrology</i> , 2019, 569, 51-60.	2.3	9
16	Cost effectiveness of phosphorus removal processes in municipal wastewater treatment. <i>Chemosphere</i> , 2018, 197, 280-290.	4.2	129
17	Temperature and Manure Placement in a Snowpack Affect Nutrient Release from Dairy Manure during Snowmelt. <i>Journal of Environmental Quality</i> , 2018, 47, 848-855.	1.0	6
18	Plant-Induced Changes to Rhizosphere pH Impact Leaf Accumulation of Lamotrigine but Not Carbamazepine. <i>Environmental Science and Technology Letters</i> , 2018, 5, 377-381.	3.9	12

#	ARTICLE	IF	CITATIONS
19	Assessment of the Potential for Full-Scale Implementation of Mainstream Anaerobic Wastewater Treatment Scheme. , 2017, , .		0
20	Seasonal and animal farm size influences on in-stream phosphorus transport in an agricultural watershed. Nutrient Cycling in Agroecosystems, 2017, 109, 29-42.	1.1	2
21	Quantifying the Impact of Seasonal and Short-term Manure Application Decisions on Phosphorus Loss in Surface Runoff. Journal of Environmental Quality, 2017, 46, 1395-1402.	1.0	43
22	Subsurface Transport of <i>Cryptosporidium</i> in Soils of Wisconsin's Carbonate Aquifer Region. Journal of Environmental Quality, 2016, 45, 1607-1615.	1.0	3
23	Cryptosporidium Soil Extraction by Filtration/IMS/FA Compatible with USEPA Method 1623.1. Agricultural and Environmental Letters, 2016, 1, 160031.	0.8	0
24	Effect of best management practice implementation on sediment and phosphorus load reductions at subwatershed and watershed scale using SWAT model. International Journal of Sediment Research, 2016, 31, 386-394.	1.8	28
25	Root Uptake of Pharmaceuticals and Personal Care Product Ingredients. Environmental Science & Technology, 2016, 50, 525-541.	4.6	352
26	Using radiometric fingerprinting and phosphorus to elucidate sediment transport dynamics in an agricultural watershed. Hydrological Processes, 2015, 29, 2681-2693.	1.1	20
27	Sources of fine sediment stored in agricultural lowland streams, Midwest, USA. Geomorphology, 2015, 236, 44-53.	1.1	31
28	Energy Consumption and Recovery in Capacitive Deionization Using Nanoporous Activated Carbon Electrodes. Journal of the Electrochemical Society, 2015, 162, E282-E288.	1.3	52
29	Apportionment of suspended sediment sources in an agricultural watershed using sediment fingerprinting. Geoderma, 2015, 239-240, 25-33.	2.3	59
30	Exploring the impact of pore size distribution on the performance of carbon electrodes for capacitive deionization. Journal of Colloid and Interface Science, 2014, 430, 93-99.	5.0	121
31	Quantification of seasonal sediment and phosphorus transport dynamics in an agricultural watershed using radiometric fingerprinting techniques. Journal of Soils and Sediments, 2013, 13, 1724-1734.	1.5	42
32	Mechanistic insights into the use of oxide nanoparticles coated asymmetric electrodes for capacitive deionization. Electrochimica Acta, 2013, 90, 573-581.	2.6	83
33	Phosphorus Flow and Characterization in Dry-Grind Corn Ethanol Plants. Journal of Environmental Quality, 2012, 41, 1695-1701.	1.0	9
34	Using radiometric tools to track sediment and phosphorus movement in an agricultural watershed. Journal of Hydrology, 2012, 450-451, 219-229.	2.3	18
35	Anaerobic digestion of thin stillage for energy recovery and water reuse in corn-ethanol plants. Bioresource Technology, 2011, 102, 9891-9896.	4.8	63
36	Reducing Phosphorus Concentration in Animal Feed Coproducts from the Corn Distilling Industry. Transactions of the ASABE, 2010, 53, 1287-1294.	1.1	8

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37	Phosphorus and organic matter enrichment in snowmelt and rainfall runoff from three corn management systems. <i>Geoderma</i> , 2010, 154, 253-260.	2.3	20
38	Phosphorus forms and extractability in dairy manure: A case study for Wisconsin on-farm anaerobic digesters. <i>Bioresource Technology</i> , 2008, 99, 425-436.	4.8	83
39	Impact of surface roughness and crusting on particle size distribution of edge-of-field sediments. <i>Geoderma</i> , 2008, 145, 315-324.	2.3	25
40	Sorption of the Antibiotic Tetracycline to Humic-Mineral Complexes. <i>Journal of Environmental Quality</i> , 2008, 37, 704-711.	1.0	93
41	Testing a Grid-Based Soil Erosion Model across Topographically Complex Landscapes. <i>Soil Science Society of America Journal</i> , 2008, 72, 1745-1755.	1.2	19
42	Sediment and Phosphorus Losses in Snowmelt and Rainfall Runoff from Three Corn Management Systems. <i>Transactions of the ASABE</i> , 2008, 51, 95-105.	1.1	24
43	Complexation of the antibiotic tetracycline with humic acid. <i>Chemosphere</i> , 2007, 66, 1494-1501.	4.2	311
44	Determination of Phosphorus Speciation in Dairy Manure using XRD and XANES Spectroscopy. <i>Journal of Environmental Quality</i> , 2007, 36, 1856-1863.	1.0	83
45	Adsorption mechanism of cadmium on juniper bark and wood. <i>Bioresource Technology</i> , 2007, 98, 588-594.	4.8	99
46	Instrumentation for Measuring Runoff, Sediment, and Chemical Losses from Agricultural Fields. <i>Journal of Environmental Quality</i> , 2006, 35, 216-223.	1.0	25
47	SEDIMENT AND PHOSPHORUS DELIVERY FROM ALFALFA SWARDS. <i>Transactions of the ASABE</i> , 2006, 49, 375-388.	1.1	5
48	Occurrence of antibiotics in wastewater treatment facilities in Wisconsin, USA. <i>Science of the Total Environment</i> , 2006, 361, 196-207.	3.9	672
49	Residue Level and Manure Application Timing Effects on Runoff and Sediment Losses. <i>Journal of Environmental Quality</i> , 2005, 34, 1337-1346.	1.0	29
50	Sorption of the Antimicrobial Ciprofloxacin To Aluminum and Iron Hydrous Oxides. <i>Environmental Science &amp; Technology</i> , 2005, 39, 9166-9173.	4.6	344
51	INFLUENCE OF ANAEROBIC DIGESTION ON DAIRY MANURE PHOSPHORUS EXTRACTABILITY. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005, 48, 1497-1507.	0.9	19
52	PROBABLE PHOSPHORUS SOLID PHASES AND THEIR STABILITY IN ANAEROBICALLY DIGESTED DAIRY MANURE. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005, 48, 1509-1520.	0.9	28
53	NITROGEN AND SOLUTION DYNAMICS IN SOILS RECEIVING CHEMICALLY TREATED DAIRY MANURE. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005, 48, 601-610.	0.9	6
54	Corn Residue Level and Manure Application Timing Effects on Phosphorus Losses in Runoff. <i>Journal of Environmental Quality</i> , 2005, 34, 1620-1631.	1.0	30

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55	Interaction of Tetracycline with Aluminum and Iron Hydrous Oxides. Environmental Science & Technology, 2005, 39, 2660-2667.	4.6	432
56	Orthophosphate Sorption onto Lanthanum-Treated Lignocellulosic Sorbents. Environmental Science & Technology, 2005, 39, 6273-6279.	4.6	103
57	Phosphorus Dynamics in Soils Receiving Chemically Treated Dairy Manure. Journal of Environmental Quality, 2004, 33, 2296-2305.	1.0	33
58	Cationized milled pine bark as an adsorbent for orthophosphate anions. Journal of Applied Polymer Science, 2004, 93, 1577-1583.	1.3	21
59	Solution Chemistry Effects on Orthophosphate Adsorption by Cationized Solid Wood Residues. Environmental Science & Technology, 2004, 38, 904-911.	4.6	38
60	Linking Cesium and Strontium Uptake to Kaolinite Weathering in Simulated Tank Waste Leachate. Environmental Science & Technology, 2003, 37, 2200-2208.	4.6	85
61	Cesium Adsorption on Clay Minerals: An EXAFS Spectroscopic Investigation. Environmental Science & Technology, 2002, 36, 2670-2676.	4.6	247
62	Chemical Treatment of Dairy Manure Using Alum, Ferric Chloride and Lime. , 2002, , .		3
63	Effects of Solution Chemistry on the Oxidative Transformation of 1-Naphthol and Its Complexation with Humic Acid. Environmental Science & Technology, 2000, 34, 2939-2946.	4.6	25
64	Role of Surface Precipitation in Copper Sorption by the Hydrous Oxides of Iron and Aluminum. Journal of Colloid and Interface Science, 1999, 209, 72-78.	5.0	57
65	Surface Complexation Modeling of Copper Sorption by Hydrous Oxides of Iron and Aluminum. Journal of Colloid and Interface Science, 1999, 220, 88-95.	5.0	40
66	Interaction of 1-Naphthol and Its Oxidation Products with Aluminum Hydroxide. Environmental Science & Technology, 1999, 33, 4009-4015.	4.6	39
67	Adsorption and Coprecipitation of Copper with the Hydrous Oxides of Iron and Aluminum. Environmental Science & Technology, 1997, 31, 2721-2725.	4.6	106
68	A kinetic model of a recirculated upflow anaerobic sludge blanket treating phenolic wastewater. Water Environment Research, 1995, 67, 1004-1006.	1.3	0
69	Different cadmium adsorption behavior of juniper wood and bark sorbents. , 0, , .		1