Christopher T Green

List of Publications by Year
in descending order

35 papers	1,165 citations	394421 19 h-index	395702 33 g-index
39 all docs	39 docs citations	39 times ranked	1313 citing authors

#	Article	IF	Citations
1	Mixing effects on apparent reaction rates and isotope fractionation during denitrification in a heterogeneous aquifer. Water Resources Research, 2010, 46, .	4.2	121
2	Limited Occurrence of Denitrification in Four Shallow Aquifers in Agricultural Areas of the United States. Journal of Environmental Quality, 2008, 37, 994-1009.	2.0	108
3	Factors controlling nitrate fluxes in groundwater in agricultural areas. Water Resources Research, 2012, 48, .	4.2	84
4	Stratification of reactivity determines nitrate removal in groundwater. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2494-2499.	7.1	77
5	Nitrogen Fluxes through Unsaturated Zones in Five Agricultural Settings across the United States. Journal of Environmental Quality, 2008, 37, 1073-1085.	2.0	74
6	Relations of hydrogeologic factors, groundwater reduction-oxidation conditions, and temporal and spatial distributions of nitrate, Central-Eastside San Joaquin Valley, California, USA. Hydrogeology Journal, 2011, 19, 1203-1224.	2.1	67
7	Linking aquifer spatial properties and non-Fickian transport in mobileâ€“immobile like alluvial settings. Journal of Hydrology, 2014, 512, 315-331.	5.4	63
8	The impact of medium architecture of alluvial settings on non-Fickian transport. Advances in Water Resources, 2013, 54, 78-99.	3.8	54
9	Predicting Unsaturated Zone Nitrogen Mass Balances in Agricultural Settings of the United States. Journal of Environmental Quality, 2010, 39, 1051-1065.	2.0	45
10	Decadal surface water quality trends under variable climate, land use, and hydrogeochemical setting in Iowa, USA. Water Resources Research, 2014, 50, 2425-2443.	4.2	43
11	Regional Variability of Nitrate Fluxes in the Unsaturated Zone and Groundwater, Wisconsin, <scp>USA</scp>. Water Resources Research, 2018, 54, 301-322.	4.2	38
12	Accuracy of travel time distribution (TTD) models as affected by TTD complexity, observation errors, and model and tracer selection. Water Resources Research, 2014, 50, 6191-6213.	4.2	34
13	Metamodeling and mapping of nitrate flux in the unsaturated zone and groundwater, Wisconsin, USA. Journal of Hydrology, 2018, 559, 428-441.	5.4	34
14	Regional oxygen reduction and denitrification rates in groundwater from multi-model residence time distributions, San Joaquin Valley, USA. Journal of Hydrology, 2016, 543, 155-166.	5.4	32
15	The fate and transport of nitrate in shallow groundwater in northwestern Mississippi, USA. Hydrogeology Journal, 2011, 19, 1239-1252.	2.1	31
16	Comparison of Time Nonlocal Transport Models for Characterizing Non-Fickian Transport: From Mathematical Interpretation to Laboratory Application. Water (Switzerland), 2018, 10, 778.	2.7	26
17	Comparison of groundwater age models for assessing nitrate loading, transport pathways, and management options in a complex aquifer system. Hydrological Processes, 2018, 32, 923-938.	2.6	25
18	Bounded fractional diffusion in geological media: Definition and <scp>L</scp>agrangian approximation. Water Resources Research, 2016, 52, 8561-8577.	4.2	22

#	Article	IF	Citations
19	Simulating Waterâ€Quality Trends in Publicâ€Supply Wells in Transient Flow Systems. Ground Water, 2014, 52, 53-62.	1.3	20
20	Effect of correlated observation error on parameters, predictions, and uncertainty. Water Resources Research, 2013, 49, 6339-6355.	4.2	18
21	Percolation and transport in a sandy soil under a natural hydraulic gradient. Water Resources Research, 2005, 41, .	4.2	17
22	Machine learning predictions of mean ages of shallow well samples in the Great Lakes Basin, USA. Journal of Hydrology, 2021, 603, 126908.	5.4	11
23	Peclet number as affected by molecular diffusion controls transient anomalous transport in alluvial aquiferâ€“aquitard complexes. Journal of Contaminant Hydrology, 2015, 177-178, 220-238.	3.3	9
24	Multimodel analysis of anisotropic diffusive tracerâ€gas transport in a deep arid unsaturated zone. Water Resources Research, 2015, 51, 6052-6073.	4.2	8
25	Complexity of groundwater age mixing near a seawater intrusion zone based on multiple tracers and Bayesian inference. Science of the Total Environment, 2021, 753, 141994.	8.0	8
26	Lattice-Boltzmann simulation of coalescence-driven island coarsening. Journal of Chemical Physics, 2004, 121, 7987.	3.0	6
27	Fieldâ€Scale Sulfur Hexafluoride Tracer Experiment to Understand Long Distance Gas Transport in the Deep Unsaturated Zone. Vadose Zone Journal, 2014, 13, 1-10.	2.2	6
28	Timeâ€Fractional Flow Equations (tâ€FFEs) to Upscale Transient Groundwater Flow Characterized by Temporally Nonâ€Darcian Flow Due to Medium Heterogeneity. Water Resources Research, 2021, 57, e2020WR029554.	4.2	6
29	Co-transport of biogenic nano-hydroxyapatite and Pb(II) in saturated sand columns: Controlling factors and stochastic modeling. Chemosphere, 2021, 275, 130078.	8.2	5
30	Inverse Modeling with RZWQM2 to Predict Water Quality. Advances in Agricultural Systems Modeling, 0, , 327-363.	0.3	5
31	Transport in heterogeneous media: Tracer dynamics in complex flow networks. AICHE Journal, 2002, 48, 1121-1131.	3.6	4
32	The effects of numerical-model complexity and observation type on estimated porosity values. Hydrogeology Journal, 2015, 23, 1121-1128.	2.1	4
33	Spatial Fingerprinting of Biogenic and Anthropogenic Volatile Organic Compounds in an Arid Unsaturated Zone. Vadose Zone Journal, 2019, 18, 190047.	2.2	4
34	Multiphase flow in geometrically simple fracture intersections. Physica A: Statistical Mechanics and Its Applications, 2006, 362, 17-22.	2.6	2
35	Rapid Removal of Nitrobenzene in a Three-Phase Ozone Loaded System with Gasâ€“Liquidâ€“Liquid. Chemical Engineering Communications, 2015, 202, 799-805.	2.6	1