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	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
2	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
3	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
4	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
5	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
6	Spatial Fingerprinting of Biogenic and Anthropogenic Volatile Organic Compounds in an Arid Unsaturated Zone. Vadose Zone Journal, 2019, 18, 190047.	2.2	4
7	Metamodeling and mapping of nitrate flux in the unsaturated zone and groundwater, Wisconsin, USA. Journal of Hydrology, 2018, 559, 428-441.	5.4	34
8	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
9	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
10	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
11	Bounded fractional diffusion in geological media: Definition and <scp>L</scp>agrangian approximation. Water Resources Research, 2016, 52, 8561-8577.	4.2	22
12	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
13	The effects of numerical-model complexity and observation type on estimated porosity values. Hydrogeology Journal, 2015, 23, 1121-1128.	2.1	4
14	Multimodel analysis of anisotropic diffusive tracerâ€gas transport in a deep arid unsaturated zone. Water Resources Research, 2015, 51, 6052-6073.	4.2	8
15	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
16	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
17	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
18	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

#	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	Linking aquifer spatial properties and non-Fickian transport in mobileâ€"immobile like alluvial settings. Journal of Hydrology, 2014, 512, 315-331.	5.4	63
21	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
22	The impact of medium architecture of alluvial settings on non-Fickian transport. Advances in Water Resources, 2013, 54, 78-99.	3.8	54
23	Effect of correlated observation error on parameters, predictions, and uncertainty. Water Resources Research, 2013, 49, 6339-6355.	4.2	18
24	Factors controlling nitrate fluxes in groundwater in agricultural areas. Water Resources Research, 2012, 48, .	4.2	84
25	The fate and transport of nitrate in shallow groundwater in northwestern Mississippi, USA. Hydrogeology Journal, 2011, 19, 1239-1252.	2.1	31
26	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
27	Predicting Unsaturated Zone Nitrogen Mass Balances in Agricultural Settings of the United States. Journal of Environmental Quality, 2010, 39, 1051-1065.	2.0	45
28	Mixing effects on apparent reaction rates and isotope fractionation during denitrification in a heterogeneous aquifer. Water Resources Research, 2010, 46, .	4.2	121
29	Nitrogen Fluxes through Unsaturated Zones in Five Agricultural Settings across the United States. Journal of Environmental Quality, 2008, 37, 1073-1085.	2.0	74
30	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
31	Multiphase flow in geometrically simple fracture intersections. Physica A: Statistical Mechanics and Its Applications, 2006, 362, 17-22.	2.6	2
32	Percolation and transport in a sandy soil under a natural hydraulic gradient. Water Resources Research, 2005, 41, .	4.2	17
33	Lattice-Boltzmann simulation of coalescence-driven island coarsening. Journal of Chemical Physics, 2004, 121, 7987.	3.0	6
34	Transport in heterogeneous media: Tracer dynamics in complex flow networks. AICHE Journal, 2002, 48, 1121-1131.	3.6	4
35	Inverse Modeling with RZWQM2 to Predict Water Quality. Advances in Agricultural Systems Modeling, 0, , 327-363.	0.3	5