Thomas C Harmon

List of Publications by Year
in descending order

50 papers	1,049 citations	471509 17 h-index	434195 31 g-index
51 all docs	51 docs citations	51 times ranked	1344 citing authors

#	Article	IF	Citations
1	Engaging stakeholders across a socio-environmentally diverse network of water research sites in North and South America. Environmental Development, 2021, 38, 100582.	4.1	6
2	Analyzing the Suitability of Remotely Sensed ET for Calibrating a Watershed Model of a Mediterranean Montane Forest. Remote Sensing, 2021, 13, 1258.	4.0	6
3	Response to Comment on â€œCannabis and the Environment: What Science Tells Us and What We Still Need to Knowâ€. Environmental Science and Technology Letters, 2021, 8, 486-486.	8.7	0
4	Cannabis and the Environment: What Science Tells Us and What We Still Need to Know. Environmental Science and Technology Letters, 2021, 8, 98-107.	8.7	28
5	Precipitationâ€drainage cycles lead to hot moments in soil carbon dioxide dynamics in a Neotropical wet forest. Global Change Biology, 2020, 26, 5303-5319.	9.5	11
6	Integration of Swimming-Related Synaptic Excitation and Inhibition by olig2⁺Eurydendroid Neurons in Larval Zebrafish Cerebellum. Journal of Neuroscience, 2020, 40, 3063-3074.	3.6	15
7	Diel pattern driven by free convection controls leaf-cutter ant nest ventilation and greenhouse gas emissions in a Neotropical rain forest. Oecologia, 2020, 192, 591-601.	2.0	11
8	Carbon gas flux to and from inland waters: support for a global observation network. Limnology, 2020, 21, 429-442.	1.5	7
9	ENSOâ€Influenced Drought Drives Methane Flux Dynamics in a Tropical Wet Forest Soil. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2267-2276.	3.0	10
10	Welcome to the Atta world: A framework for understanding the effects of leafâ€cutter ants on ecosystem functions. Functional Ecology, 2019, 33, 1386-1399.	3.6	61
11	The Role of the Ecosystem Engineer, the Leafâ€Cutter Ant <scp>Atta cephalotes</scp>, on Soil CO₂ Dynamics in a Wet Tropical Rainforest. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 260-273.	3.0	17
12	Water residence time (age) and flow path exert synchronous effects on annual characteristics of dissolved organic carbon in terrestrial runoff. Science of the Total Environment, 2019, 656, 1223-1237.	8.0	11
13	Socioeconomic and Environmental Proxies for Comparing Freshwater Ecosystem Service Threats across International Sites: A Diagnostic Approach. Water (Switzerland), 2018, 10, 1578.	2.7	4
14	Synoptic Sampling to Determine Distributed Groundwaterâ€Surface Water Nitrate Loading and Removal Potential Along a Lowland River. Water Resources Research, 2017, 53, 9479-9495.	4.2	6
15	Watershed model calibration to the base flow recession curve with and without evapotranspiration effects. Water Resources Research, 2016, 52, 2919-2933.	4.2	12
16	Hydrogeologic influence on changes in snowmelt runoff with climate warming: Numerical experiments on a mid-elevation catchment in the Sierra Nevada, USA. Journal of Hydrology, 2016, 533, 332-342.	5.4	31
17	Developmental Changes in Hippocampal CA1 Single Neuron Firing and Theta Activity during Associative Learning. PLoS ONE, 2016, 11, e0164781.	2.5	7
18	Ontogeny of septohippocampal modulation of delay eyeblink conditioning. Developmental Psychobiology, 2015, 57, 168-176.	1.6	2

#	Article	IF	Citations
19	High Resolution Synoptic Salinity Mapping To Identify Groundwaterâ€“Surface Water Discharges in Lowland Rivers. Environmental Science & Technology, 2015, 49, 4842-4850.	10.0	8
20	Lowâ€cost soil <scp>CO</scp>₂ efflux and point concentration sensing systems for terrestrial ecology applications. Methods in Ecology and Evolution, 2015, 6, 1358-1362.	5.2	13
21	Transverse spatiotemporal variability of lowland river properties and effects on metabolic rate estimates. Water Resources Research, 2014, 50, 482-493.	4.2	6
22	Visual cortical contributions to associative cerebellar learning. Neurobiology of Learning and Memory, 2013, 104, 103-109.	1.9	9
23	Seasonal ammonia losses from spray-irrigation with secondary-treated recycled water. Water Science and Technology, 2012, 65, 676-682.	2.5	2
24	Mapping swamp timothy (Crypsis schoenoides) seed productivity using spectral values and vegetation indices in managed wetlands. International Journal of Remote Sensing, 2012, 33, 4902-4918.	2.9	4
25	Autonomous real-time adaptive management of soil salinity using a receding horizon control algorithm: A pilot-scale demonstration. Journal of Environmental Management, 2011, 92, 2619-2627.	7.8	3
26	Correlation between soil apparent electroconductivity and plant hyperspectral reflectance in a managed wetland. International Journal of Remote Sensing, 2011, 32, 2563-2579.	2.9	5
27	Environmental sensor networks in ecological research. New Phytologist, 2009, 182, 589-607.	7.3	146
28	A Receding Horizon Control algorithm for adaptive management of soil moisture and chemical levels during irrigation. Environmental Modelling and Software, 2009, 24, 1112-1121.	4.5	34
29	High-Resolution River Hydraulic and Water Quality Characterization Using Rapidly Deployable Networked Infomechanical Systems (NIMS RD). Environmental Engineering Science, 2007, 24, 151-159.	1.6	26
30	The Effect of Soil Type on the Electrodialytic Remediation of Lead-Contaminated Soil. Environmental Engineering Science, 2007, 24, 234-244.	1.6	18
31	Autonomous Robotic Sensing Experiments at San Joaquin River. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	14
32	Soil Sensor Technology: Life within a Pixel. BioScience, 2007, 57, 859-867.	4.9	53
33	A parylene-protected nitrate selective microsensor on a carbon fiber cross section. Sensors and Actuators B: Chemical, 2007, 123, 127-134.	7.8	17
34	Long-lived solid state perchlorate ion selective sensor based on doped poly(3,4-ethylenedioxythiophene) (PEDOT) films. Analytica Chimica Acta, 2005, 551, 30-36.	5.4	31
35	A Sensitive Nitrate Ion-Selective Electrode from a Pencil Lead. An Analytical Laboratory Experiment. Journal of Chemical Education, 2005, 82, 439.	2.3	51
36	The effect of multicomponent diffusion on NAPL dissolution from spherical ternary mixtures. Journal of Contaminant Hydrology, 2003, 67, 43-60.	3.3	10

#	Article	IF	Citations
37	An Interactive Database Supporting Virtual Fieldwork in an Environmental Engineering Design Project. Journal of Engineering Education, 2002, 91, 167-176.	3.0	12
38	Measuring and modeling the dissolution of nonideally shaped dense nonaqueous phase liquid pools in saturated porous media. Water Resources Research, 2002, 38, 8-1-8-14.	4.2	19
39	Experimental design and model parameter estimation for locating a dissolving dense nonaqueous phase liquid pool in groundwater. Water Resources Research, 2002, 38, 15-1-15-9.	4.2	41
40	Longâ€Term Studies on the Effects of Nonvolatile Organic Compounds on Porous Media Surface Areas. Journal of Environmental Quality, 2002, 31, 1309-1315.	2.0	1
41	Volatilization of Solid-Phase Polycyclic Aromatic Hydrocarbons from Model Mixtures and Lampblack-Contaminated Soils. Journal of Chemical & Engineering Data, 2001, 46, 944-949.	1.9	15
42	Nonaqueous Phase Liquid Dissolution in Porous Media: Current State of Knowledge and Research Needs. Transport in Porous Media, 2000, 38, 3-28.	2.6	77
43	Inverse modeling for locating dense nonaqueous pools in groundwater under steady flow conditions. Water Resources Research, 2000, 36, 1723-1735.	4.2	33
44	Dissolution of a well-defined trichloroethylene pool in saturated porous media: Experimental design and aquifer characterization. Water Resources Research, 2000, 36, 1687-1696.	4.2	45
45	Effects of Nonvolatile Organic Contamination on the Surface Areas and Adsorption Energetics of Porous Media. Langmuir, 2000, 16, 9819-9824.	3.5	8
46	Aqueous Solubility Depression for Hydrophobic Organic Chemicals in the Presence of Partially Miscible Organic Solvents. Environmental Science & Technology, 1997, 31, 384-389.	10.0	14
47	Estimating internal mass transfer rates in soils using scintillation fluid extraction. Separation and Purification Technology, 1996, 6, 155-164.	0.7	3
48	The effect of equilibration time on desorption rate measurements with chlorinated alkenes and aquifer particles. Environmental Progress, 1994, 13, 1-8.	0.7	10
49	Comparison of Intraparticle Sorption and Desorption Rates for a Halogenated Alkene in a Sandy Aquifer Material. Environmental Science & Technology, 1994, 28, 1650-1660.	10.0	72
50	Determining and Modeling Mass-Transfer Rate Limitations in Heterogeneous Aquifers. Water Science and Technology, 1992, 26, 71-77.	2.5	4