Joshua P Kearns

List of Publications by Year
in descending order

19	878	840776 11	839539 18
papers	citations	h-index	g-index

19	19	19	1389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biochar as a sustainable electrode material for electricity production in microbial fuel cells. Bioresource Technology, 2014, 157, 114-119.	9.6	279
2	Environmental Comparison of Biochar and Activated Carbon for Tertiary Wastewater Treatment. Environmental Science & Technology, 2016, 50, 11253-11262.	10.0	238
3	Biochar sorbents for sulfamethoxazole removal from surface water, stormwater, and wastewater effluent. Water Research, 2016, 96, 236-245.	11.3	151
4	Understanding Biopsychosocial Health Outcomes of Syndemic Water and Food Insecurity: Applications for Global Health. American Journal of Tropical Medicine and Hygiene, 2021, 104, 8-11.	1.4	31
5	Meeting multiple water quality objectives through treatment using locally generated char: improving organoleptic properties and removing synthetic organic contaminants and disinfection by-products. Journal of Water Sanitation and Hygiene for Development, 2015, 5, 359-372.	1.8	24
6	Enabling Organic Micropollutant Removal from Water by Full-Scale Biochar and Activated Carbon Adsorbers Using Predictions from Bench-Scale Column Data. Environmental Engineering Science, 2020, 37, 459-471.	1.6	20
7	Biochar Water Treatment for Control of Organic Micropollutants with UVA Surrogate Monitoring. Environmental Engineering Science, 2021, 38, 298-309.	1.6	20
8	High Temperature Co-pyrolysis Thermal Air Activation Enhances Biochar Adsorption of Herbicides from Surface Water. Environmental Engineering Science, 2019, 36, 710-723.	1.6	19
9	Synthetic organic water contaminants in developing communities: an overlooked challenge addressed by adsorption with locally generated char. Journal of Water Sanitation and Hygiene for Development, 2014, 4, 422-436.	1.8	17
10	Underrepresented groups in WaSH â€“ the overlooked role of chemical toxicants in water and health. Journal of Water Sanitation and Hygiene for Development, 2019, 9, 786-793.	1.8	15
11	Feasibility of Using Traditional Kiln Charcoals in Low-Cost Water Treatment: Role of Pyrolysis Conditions on 2,4-D Herbicide Adsorption. Environmental Engineering Science, 2015, 32, 912-921.	1.6	12
12	Pre-pyrolysis metal and base addition catalyzes pore development and improves organic micropollutant adsorption to pine biochar. Chemosphere, 2022, 286, 131949.	8.2	12
13	Leveraging DOM UV absorbance and fluorescence to accurately predict and monitor short-chain PFAS removal by fixed-bed carbon adsorbers. Water Research, 2022, 213, 118146.	11.3	11
14	The role of chemical exposures in reducing the effectiveness of waterâ€“sanitationâ€“hygiene interventions in Bangladesh, Kenya, and Zimbabwe. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1478.	6.5	10
15	Global Environmental Engineering for and with Historically Marginalized Communities. Environmental Engineering Science, 2021, 38, 285-287.	1.6	7
16	Modeling and experimental approaches for determining fluoride diffusion kinetics in bone char sorbent and prediction of packed-bed groundwater defluoridator performance. Water Research X, 2021, 12, 100108.	6.1	7
17	Evaluation of arsenic field test kits as a learning exercise for engineering students in global water and sanitation class. International Journal for Service Learning in Engineering, 2019, 14, 32-46.	0.4	3
18	Food, water, and sanitation insecurities: Complex linkages and implications for achieving WASH security. Global Public Health, 2022, 17, 3060-3075.	2.0	2

#	Article	IF	Citations
19	Models for predicting organic micropollutant breakthrough in carbon adsorbers based on water quality, adsorbate properties, and rapid smallâ€scale column tests. AWWA Water Science, 2022, 4, .	2.1	0