

# Joshua P Kearns

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9300506/publications.pdf>

Version: 2024-02-01

19  
papers

878  
citations

840585

11  
h-index

839398

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1389  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar as a sustainable electrode material for electricity production in microbial fuel cells. <i>Bioresource Technology</i> , 2014, 157, 114-119.	4.8	279
2	Environmental Comparison of Biochar and Activated Carbon for Tertiary Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11253-11262.	4.6	238
3	Biochar sorbents for sulfamethoxazole removal from surface water, stormwater, and wastewater effluent. <i>Water Research</i> , 2016, 96, 236-245.	5.3	151
4	Understanding Biopsychosocial Health Outcomes of Syndemic Water and Food Insecurity: Applications for Global Health. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 8-11.	0.6	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. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2015, 5, 359-372.	0.7	24
6	Enabling Organic Micropollutant Removal from Water by Full-Scale Biochar and Activated Carbon Adsorbers Using Predictions from Bench-Scale Column Data. <i>Environmental Engineering Science</i> , 2020, 37, 459-471.	0.8	20
7	Biochar Water Treatment for Control of Organic Micropollutants with UVA Surrogate Monitoring. <i>Environmental Engineering Science</i> , 2021, 38, 298-309.	0.8	20
8	High Temperature Co-pyrolysis Thermal Air Activation Enhances Biochar Adsorption of Herbicides from Surface Water. <i>Environmental Engineering Science</i> , 2019, 36, 710-723.	0.8	19
9	Synthetic organic water contaminants in developing communities: an overlooked challenge addressed by adsorption with locally generated char. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2014, 4, 422-436.	0.7	17
10	Underrepresented groups in WaSH – the overlooked role of chemical toxicants in water and health. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2019, 9, 786-793.	0.7	15
11	Feasibility of Using Traditional Kiln Charcoals in Low-Cost Water Treatment: Role of Pyrolysis Conditions on 2,4-D Herbicide Adsorption. <i>Environmental Engineering Science</i> , 2015, 32, 912-921.	0.8	12
12	Pre-pyrolysis metal and base addition catalyzes pore development and improves organic micropollutant adsorption to pine biochar. <i>Chemosphere</i> , 2022, 286, 131949.	4.2	12
13	Leveraging DOM UV absorbance and fluorescence to accurately predict and monitor short-chain PFAS removal by fixed-bed carbon adsorbers. <i>Water Research</i> , 2022, 213, 118146.	5.3	11
14	The role of chemical exposures in reducing the effectiveness of water – sanitation – hygiene interventions in Bangladesh, Kenya, and Zimbabwe. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1478.	2.8	10
15	Global Environmental Engineering for and with Historically Marginalized Communities. <i>Environmental Engineering Science</i> , 2021, 38, 285-287.	0.8	7
16	Modeling and experimental approaches for determining fluoride diffusion kinetics in bone char sorbent and prediction of packed-bed groundwater defluoridator performance. <i>Water Research X</i> , 2021, 12, 100108.	2.8	7
17	Evaluation of arsenic field test kits as a learning exercise for engineering students in global water and sanitation class. <i>International Journal for Service Learning in Engineering</i> , 2019, 14, 32-46.	0.4	3
18	Food, water, and sanitation insecurities: Complex linkages and implications for achieving WASH security. <i>Global Public Health</i> , 2022, 17, 3060-3075.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Models for predicting organic micropollutant breakthrough in carbon adsorbers based on water quality, adsorbate properties, and rapid small-scale column tests. AWWA Water Science, 2022, 4, .	1.0	0