

# Hedeff I Essaid

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,276  
citations

516710

16  
h-index

713466

21  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of aerobic and anaerobic biodegradation processes at a crude oil spill site. <i>Water Resources Research</i> , 1995, 31, 3309-3327.	4.2	156
2	A multilayered sharp interface model of coupled freshwater and saltwater flow in coastal systems: Model development and application. <i>Water Resources Research</i> , 1990, 26, 1431-1454.	4.2	151
3	Organic contaminant transport and fate in the subsurface: Evolution of knowledge and understanding. <i>Water Resources Research</i> , 2015, 51, 4861-4902.	4.2	132
4	Progression of natural attenuation processes at a crude oil spill site: II. Controls on spatial distribution of microbial populations. <i>Journal of Contaminant Hydrology</i> , 2001, 53, 387-406.	3.3	108
5	Crude Oil at the Bemidji Site: 25 Years of Monitoring, Modeling, and Understanding. <i>Ground Water</i> , 2011, 49, 706-726.	1.3	95
6	Inverse modeling of BTEX dissolution and biodegradation at the Bemidji, MN crude-oil spill site. <i>Journal of Contaminant Hydrology</i> , 2003, 67, 269-299.	3.3	93
7	Transport and Fate of Nitrate at the Groundâ€Water/Surfaceâ€Water Interface. <i>Journal of Environmental Quality</i> , 2008, 37, 1034-1050.	2.0	83
8	Progression of methanogenic degradation of crude oil in the subsurface. <i>Environmental Geosciences</i> , 2005, 12, 139-152.	0.6	68
9	Using Heat to Characterize Streambed Water Flux Variability in Four Stream Reaches. <i>Journal of Environmental Quality</i> , 2008, 37, 1010-1023.	2.0	58
10	Multiphase flow modeling of a crude-oil spill site with a bimodal permeability distribution. <i>Water Resources Research</i> , 1997, 33, 1617-1632.	4.2	51
11	In situ measurements of volatile aromatic hydrocarbon biodegradation rates in groundwater. <i>Journal of Contaminant Hydrology</i> , 2010, 111, 48-64.	3.3	48
12	Evaluating the impact of irrigation on surface water â€ groundwater interaction and stream temperature in an agricultural watershed. <i>Science of the Total Environment</i> , 2017, 599-600, 581-596.	8.0	47
13	Effects of upstream dams versus groundwater pumping on stream temperature under varying climate conditions. <i>Water Resources Research</i> , 2010, 46, .	4.2	40
14	A functional relation for field-scale nonaqueous phase liquid dissolution developed using a pore network model. <i>Journal of Contaminant Hydrology</i> , 2001, 48, 89-119.	3.3	32
15	Determination of subsurface fluid contents at a crude-oil spill site. <i>Journal of Contaminant Hydrology</i> , 1992, 10, 75-96.	3.3	27
16	The role of dynamic surface waterâ€groundwater exchange on streambed denitrification in a firstâ€order, lowâ€relief agricultural watershed. <i>Water Resources Research</i> , 2015, 51, 9514-9538.	4.2	23
17	BENTHIC NUTRIENT SOURCES TO HYPEREUTROPHIC UPPER KLAMATH LAKE, OREGON, USA. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 516.	4.3	16
18	Streambed exchanges along tributary streams in humid watersheds. <i>Water Resources Research</i> , 2013, 49, 2197-2204.	4.2	15

#	ARTICLE	IF	CITATIONS
19	Watershedâ€scale modeling of streamflow change in incised montane meadows. Water Resources Research, 2014, 50, 2657-2678.	4.2	14
20	Evaluating the dynamics of groundwater, lakebed transport, nutrient inflow and algal blooms in Upper Klamath Lake, Oregon, USA. Science of the Total Environment, 2021, 765, 142768.	8.0	5
21	Contrasting Nitrogen Fate in Watersheds Using Agricultural and Water Quality Information. Journal of Environmental Quality, 2016, 45, 1616-1626.	2.0	3