

Omar R Harvey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5556316/publications.pdf>

Version: 2024-02-01

23
papers

1,439
citations

759233

12
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

2260
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Interactions at the Biochar-Water Interface: Energetics and Structure-Sorption Relationships Elucidated by Flow Adsorption Microcalorimetry. <i>Environmental Science & Technology</i> , 2011, 45, 5550-5556.	10.0	412
2	An Index-Based Approach to Assessing Recalcitrance and Soil Carbon Sequestration Potential of Engineered Black Carbons (Biochars). <i>Environmental Science & Technology</i> , 2012, 46, 1415-1421.	10.0	292
3	Generalized Two-Dimensional Perturbation Correlation Infrared Spectroscopy Reveals Mechanisms for the Development of Surface Charge and Recalcitrance in Plant-Derived Biochars. <i>Environmental Science & Technology</i> , 2012, 46, 10641-10650.	10.0	170
4	Geochemical Implications of Gas Leakage associated with Geologic CO ₂ Storage—A Qualitative Review. <i>Environmental Science & Technology</i> , 2013, 47, 23-36.	10.0	146
5	Characterization and biodegradation of water-soluble biomarkers and organic carbon extracted from low temperature chars. <i>Organic Geochemistry</i> , 2013, 56, 111-119.	1.8	98
6	Kinetics and energetics of phosphate sorption in a multi-component Al(III)-Fe(III) hydr(oxide) sorbent system. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 384-393.	9.4	94
7	Sorption of hydrophobic organic compounds to a diverse suite of carbonaceous materials with emphasis on biochar. <i>Chemosphere</i> , 2016, 144, 879-887.	8.2	62
8	Predicting Regional-Scale Soil Variability using a Single Calibrated Apparent Soil Electrical Conductivity Model. <i>Soil Science Society of America Journal</i> , 2009, 73, 164-169.	2.2	39
9	Reduction of Chromium(VI) mediated by zero-valent magnesium under neutral pH conditions. <i>Water Research</i> , 2013, 47, 1136-1146.	11.3	36
10	Discrimination in Degradability of Soil Pyrogenic Organic Matter Follows a Return-On-Energy-Investment Principle. <i>Environmental Science & Technology</i> , 2016, 50, 8578-8585.	10.0	20
11	Natural organic matter and the formation of calcium-silicate-hydrates in lime-stabilized smectites: A thermal analysis study. <i>Thermochimica Acta</i> , 2010, 505, 106-113.	2.7	19
12	Geochemical impacts of leaking CO ₂ from subsurface storage reservoirs to an unconfined oxidizing carbonate aquifer. <i>International Journal of Greenhouse Gas Control</i> , 2016, 44, 310-322.	4.6	16
13	Organic chemical structure relationships to maturity and stability in shales. <i>International Journal of Coal Geology</i> , 2020, 223, 103448.	5.0	10
14	A New Spectrophotometric Method for Rapid Semiquantitative Determination of Soil Organic Carbon. <i>Soil Science Society of America Journal</i> , 2009, 73, 822-830.	2.2	7
15	Phosphate alteration of chloride behavior at the boehmite-water interface: New insights from ion-probe flow adsorption microcalorimetry. <i>Journal of Colloid and Interface Science</i> , 2015, 455, 71-77.	9.4	6
16	Methanogenesis-induced pH-Eh shifts drives aqueous metal(loid) mobility in sulfide mineral systems under CO ₂ enriched conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 173, 232-245.	3.9	6
17	Killing the Ettringite Reaction in Sulfate-Bearing Soils. <i>Transportation Research Record</i> , 2014, 2462, 109-116.	1.9	2
18	A Flow Adsorption Microcalorimetry-Logistic Modeling Approach for Assessing Heterogeneity of Brønsted-Type Surfaces: Application to Pyrogenic Organic Materials. <i>Environmental Science & Technology</i> , 2018, 52, 6167-6176.	10.0	2

#	ARTICLE	IF	CITATIONS
19	Response to Comment on "Geochemical Implications of Gas Leakage associated with Geologic CO ₂ Storage" A Qualitative Review. Environmental Science & Technology, 2013, 47, 4951-4952.	10.0	1
20	Structure-Energy-Photochemical Activity Relationships in Fluorophoric Water-Extracted Organic Matter from (Un)charred Plant Materials. ACS ES&T Water, 2021, 1, 859-870.	4.6	1
21	Avoiding Sulfate Heave in Subgrades with a Little Help from Precision Agriculture. Transportation Research Record, 2012, 2310, 93-102.	1.9	0
22	Physical Processes Dictate Early Biogeochemical Dynamics of Soil Pyrogenic Organic Matter in a Subtropical Forest Ecosystem. Frontiers in Earth Science, 2018, 6, .	1.8	0
23	Sorption Dynamics and Energetics of Cinnamic Acid and Its Derivatives at the Ferrihydrite-Water Interface Determined by Flow-Adsorption Microcalorimetry. ACS Earth and Space Chemistry, 2022, 6, 1022-1030.	2.7	0