

# Omar R Harvey

## List of Publications by Year in descending order

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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	Sorption Dynamics and Energetics of Cinnamic Acid and Its Derivatives at the Ferrihydriteâ€“Water Interface Determined by Flow-Adsorption Microcalorimetry. ACS Earth and Space Chemistry, 2022, 6, 1022-1030.	2.7	0
2	Structureâ€“Energyâ€“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
3	Organic chemical structure relationships to maturity and stability in shales. International Journal of Coal Geology, 2020, 223, 103448.	5.0	10
4	A Flow Adsorption Microcalorimetry-Logistic Modeling Approach for Assessing Heterogeneity of BrÃnsted-Type Surfaces: Application to Pyrogenic Organic Materials. Environmental Science & Technology, 2018, 52, 6167-6176.	10.0	2
5	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
6	Methanogenesis-induced pHâ€“Eh shifts drives aqueous metal(loid) mobility in sulfide mineral systems under CO <sub>2</sub> enriched conditions. Geochimica Et Cosmochimica Acta, 2016, 173, 232-245.	3.9	6
7	Discrimination in Degradability of Soil Pyrogenic Organic Matter Follows a Return-On-Energy-Investment Principle. Environmental Science & Technology, 2016, 50, 8578-8585.	10.0	20
8	Geochemical impacts of leaking CO <sub>2</sub> from subsurface storage reservoirs to an unconfined oxidizing carbonate aquifer. International Journal of Greenhouse Gas Control, 2016, 44, 310-322.	4.6	16
9	Sorption of hydrophobic organic compounds to a diverse suite of carbonaceous materials with emphasis on biochar. Chemosphere, 2016, 144, 879-887.	8.2	62
10	Phosphate alteration of chloride behavior at the boehmiteâ€“water interface: New insights from ion-probe flow adsorption microcalorimetry. Journal of Colloid and Interface Science, 2015, 455, 71-77.	9.4	6
11	Killing the Ettringite Reaction in Sulfate-Bearing Soils. Transportation Research Record, 2014, 2462, 109-116.	1.9	2
12	Characterization and biodegradation of water-soluble biomarkers and organic carbon extracted from low temperature chars. Organic Geochemistry, 2013, 56, 111-119.	1.8	98
13	Response to Comment on â€œGeochemical Implications of Gas Leakage associated with Geologic CO <sub>2</sub> Storageâ€“A Qualitative Reviewâ€“, Environmental Science & Technology, 2013, 47, 4951-4952.	10.0	1
14	Reduction of Chromium(VI) mediated by zero-valent magnesium under neutral pH conditions. Water Research, 2013, 47, 1136-1146.	11.3	36
15	Geochemical Implications of Gas Leakage associated with Geologic CO <sub>2</sub> Storageâ€“A Qualitative Review. Environmental Science & Technology, 2013, 47, 23-36.	10.0	146
16	Avoiding Sulfate Heave in Subgrades with a Little Help from Precision Agriculture. Transportation Research Record, 2012, 2310, 93-102.	1.9	0
17	Generalized Two-Dimensional Perturbation Correlation Infrared Spectroscopy Reveals Mechanisms for the Development of Surface Charge and Recalcitrance in Plant-Derived Biochars. Environmental Science & Technology, 2012, 46, 10641-10650.	10.0	170
18	An Index-Based Approach to Assessing Recalcitrance and Soil Carbon Sequestration Potential of Engineered Black Carbons (Biochars). Environmental Science & Technology, 2012, 46, 1415-1421.	10.0	292

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19	Metal Interactions at the Biochar-Water Interface: Energetics and Structure-Sorption Relationships Elucidated by Flow Adsorption Microcalorimetry. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5550-5556.	10.0	412
20	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
21	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
22	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
23	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