

# Charles Heath

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6340587/publications.pdf>

Version: 2024-02-01

10  
papers

155  
citations

1307594

7  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

245  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> capture by amine infused hydrogels (AIHs). Journal of Materials Chemistry A, 2018, 6, 4829-4838.	10.3	41
2	Carbon capture with polyethylenimine hydrogel beads (PEI HBs). Journal of Materials Chemistry A, 2018, 6, 21468-21474.	10.3	37
3	Direct air capture (DAC) of CO <sub>2</sub> using polyethylenimine (PEI) – a scalable strategy. Chemical Communications, 2020, 56, 7151-7154.	4.1	23
4	The Effect of Pressure and Temperature on Mid-Infrared Sensing of Dissolved Hydrocarbons in Water. Analytical Chemistry, 2017, 89, 13391-13397.	6.5	14
5	Polyethylenimine – An Emerging Material for Efficient Carbon Removal. ACS Applied Materials & Interfaces, 2019, 11, 26770-26780.	8.0	11
6	Mid-infrared sensor for hydrocarbon monitoring: the influence of salinity, matrix and aging on hydrocarbon–polymer partitioning. Analytical Methods, 2018, 10, 1516-1522.	2.7	9
7	Calixarene–polymer hybrid film for selective detection of hydrocarbons in water. New Journal of Chemistry, 2017, 41, 6195-6202.	2.8	8
8	Mechanistic Aspects of Polymeric Relative Permeability Modifier Adsorption onto Carbonate Rocks. Energy & Fuels, 2020, 34, 12065-12077.	5.1	8
9	Block Copolymer-Coated ATR-FTIR Spectroscopic Sensors for Monitoring Hydrocarbons in Aquatic Environments at High Temperature and Pressure. ACS Applied Polymer Materials, 2019, 1, 2149-2156.	4.4	4
10	Calixarene-Poly(methyl methacrylate) composites for ATR-IR sensing of water dissolved aromatic compounds. , 2016, , .		0