

Walter Christopher Wilfong

List of Publications by Year in descending order

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12
papers

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citations

933447

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1199594

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docs citations

12
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ ATR and DRIFTS Studies of the Nature of Adsorbed CO ₂ on Tetraethylenepentamine Films. ACS Applied Materials & Interfaces, 2014, 6, 13617-13626.	8.0	153
2	Spectroscopic Investigation of the Mechanisms Responsible for the Superior Stability of Hybrid Class 1/Class 2 CO ₂ Sorbents: A New Class 4 Category. ACS Applied Materials & Interfaces, 2016, 8, 12780-12791.	8.0	48
3	Recovering Rare Earth Elements from Aqueous Solution with Porous Amine-Epoxy Networks. ACS Applied Materials & Interfaces, 2017, 9, 18283-18294.	8.0	45
4	Novel Polyethylenimine-Acrylamide/SiO ₂ Hybrid Hydrogel Sorbent for Rare-Earth-Element Recycling from Aqueous Sources. ACS Sustainable Chemistry and Engineering, 2017, 5, 10947-10958.	6.7	39
5	Probing the Adsorption/Desorption of CO ₂ on Amine Sorbents by Transient Infrared Studies of Adsorbed CO ₂ and C ₆ H ₆ . Industrial & Engineering Chemistry Research, 2014, 53, 4224-4231.	3.7	29
6	Rapid Screening of Immobilized Amine CO ₂ Sorbents for Steam Stability by Their Direct Contact with Liquid H ₂ O. ChemSusChem, 2015, 8, 2041-2045.	6.8	16
7	Pelletization of Immobilized Amine Carbon Dioxide Sorbents with Fly Ash and Poly(vinyl chloride). Energy Technology, 2016, 4, 610-619.	3.8	16
8	Robust Immobilized Amine CO ₂ Sorbent Pellets Utilizing a Poly(Chloroprene) Polymer Binder and Fly Ash Additive. Energy Technology, 2017, 5, 228-233.	3.8	11
9	Steam-Stable Basic Immobilized Amine Sorbent Pellets for CO ₂ Capture Under Practical Conditions. ACS Applied Materials & Interfaces, 2019, 11, 38336-38346.	8.0	11
10	Stable immobilized amine sorbents for heavy metal and REE removal from industrial wastewaters. Environmental Science: Water Research and Technology, 2020, 6, 1286-1299.	2.4	10
11	Novel Rapid Screening of Basic Immobilized Amine Sorbent/Catalyst Water Stability by a UV/Vis/Cu ²⁺ Technique. ChemSusChem, 2018, 11, 4114-4122.	6.8	9
12	Amine Sorbents for Selective Recovery of Heavy Rare-Earth Elements (Dysprosium, Ytterbium) from Aqueous Solution. ChemPlusChem, 2020, 85, 130-136.	2.8	9