

Walter Christopher Wilfong

List of Publications by Year in descending order

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12
papers

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933447

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491
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#	ARTICLE	IF	CITATIONS
1	Amine Sorbents for Selective Recovery of Heavy Rare-Earth Elements (Dysprosium, Ytterbium) from Aqueous Solution. <i>ChemPlusChem</i> , 2020, 85, 130-136.	2.8	9
2	Stable immobilized amine sorbents for heavy metal and REE removal from industrial wastewaters. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1286-1299.	2.4	10
3	Steam-Stable Basic Immobilized Amine Sorbent Pellets for CO ₂ Capture Under Practical Conditions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38336-38346.	8.0	11
4	Novel Rapid Screening of Basic Immobilized Amine Sorbent/Catalyst Water Stability by a UV/Vis/Cu ²⁺ Technique. <i>ChemSusChem</i> , 2018, 11, 4114-4122.	6.8	9
5	Recovering Rare Earth Elements from Aqueous Solution with Porous Amine-Epoxy Networks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18283-18294.	8.0	45
6	Novel Polyethylenimine-Acrylamide/SiO ₂ Hybrid Hydrogel Sorbent for Rare-Earth-Element Recycling from Aqueous Sources. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10947-10958.	6.7	39
7	Robust Immobilized Amine CO ₂ Sorbent Pellets Utilizing a Poly(Chloroprene) Polymer Binder and Fly Ash Additive. <i>Energy Technology</i> , 2017, 5, 228-233.	3.8	11
8	Pelletization of Immobilized Amine Carbon Dioxide Sorbents with Fly Ash and Poly(vinyl chloride). <i>Energy Technology</i> , 2016, 4, 610-619.	3.8	16
9	Spectroscopic Investigation of the Mechanisms Responsible for the Superior Stability of Hybrid Class 1/Class 2 CO ₂ Sorbents: A New Class 4 Category. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12780-12791.	8.0	48
10	Rapid Screening of Immobilized Amine CO ₂ Sorbents for Steam Stability by Their Direct Contact with Liquid H ₂ O. <i>ChemSusChem</i> , 2015, 8, 2041-2045.	6.8	16
11	In Situ ATR and DRIFTS Studies of the Nature of Adsorbed CO ₂ on Tetraethylenepentamine Films. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13617-13626.	8.0	153
12	Probing the Adsorption/Desorption of CO ₂ on Amine Sorbents by Transient Infrared Studies of Adsorbed CO ₂ and C ₆ H ₆ . <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4224-4231.	3.7	29