Ozge Yuksel Orhan

List of Publications by Year
in descending order

20 papers	688 citations	933410 10 h-index	888047 17 g-index
20 all docs	20 docs citations	20 times ranked	953 citing authors

#	Article	IF	Citations
1	Optimization of novel nonaqueous hexanolâ€based monoethanolamine/methyl diethanolamine solvent for<scp>CO₂</scp>absorption. International Journal of Energy Research, 2022, 46, 9000-9019.	4.5	2
2	Modeling and Optimizing N/O-Enriched Bio-Derived Adsorbents for CO₂ Capture: Machine Learning and DFT Calculation Approaches. Industrial & Engineering Chemistry Research, 2022, 61, 10670-10688.	3.7	16
3	Effect of non-aqueous solvents on kinetics of carbon dioxide absorption by Bu3P/B(C6F5)3 frustrated Lewis pairs. Separation and Purification Technology, 2021, 258, 118058.	7.9	1
4	Effects of various anions and cations in ionic liquids on CO2 capture. Journal of Molecular Liquids, 2021, 333, 115981.	4.9	15
5	A hybrid chemo-biocatalytic system of carbonic anhydrase submerged in CO2-phillic sterically hindered amines for enhanced CO2 capture and conversion into carbonates. International Journal of Greenhouse Gas Control, 2021, 111, 103465.	4.6	8
6	The development of reaction kinetics for CO2 absorption into novel solvent systems: Frustrated Lewis pairs (FLPs). Separation and Purification Technology, 2020, 252, 117450.	7.9	3
7	The enhanced enzymatic performance of carbonic anhydrase on the reaction rate between CO 2 and aqueous solutions of sterically hindered amines. , 2020, 10, 925-937.		3
8	Kinetics of reaction between CO2 and ionic liquid-carbon dioxide binding organic liquid hybrid systems: Analysis of gas-liquid absorption and stopped flow experiments. Chemical Engineering Science, 2017, 170, 36-47.	3.8	31
9	Innovative Carbon Dioxideâ€Capturing Organic Solvent: Reaction Mechanism and Kinetics. Chemical Engineering and Technology, 2017, 40, 737-744.	1.5	8
10	CO2 utilization: Developments in conversion processes. Petroleum, 2017, 3, 109-126.	2.8	460
11	Ultrasound-assisted Desorption of CO2 from Carbon Dioxide Binding Organic Liquids. Energy Procedia, 2017, 114, 66-71.	1.8	12
12	Kinetics of Carbon Dioxide Absorption by Nonaqueous Solutions of Promoted Sterically Hindered Amines. Energy Procedia, 2017, 114, 57-65.	1.8	10
13	Kinetic performance of ionic liquid â€“ diethanolamine system for CO2 absorption. Chemical Data Collections, 2016, 2, 25-35.	2.3	4
14	Kinetics of CO 2 capture by carbon dioxide binding organic liquids: Experimental and molecular modelling studies. International Journal of Greenhouse Gas Control, 2016, 49, 379-386.	4.6	18
15	Kinetics of CO2 Capture by Carbon Dioxide Binding Organic Liquids. Green Energy and Technology, 2016, , 591-603.	0.6	0
16	Kinetics of CO2 capture by ionic liquidâ€”CO2 binding organic liquid dual systems. Chemical Engineering and Processing: Process Intensification, 2016, 101, 50-55.	3.6	27
17	Kinetics of Carbon Dioxide Binding by Promoted Organic Liquids. Chemical Engineering and Technology, 2015, 38, 1485-1489.	1.5	12
18	Kinetics and performance studies of a switchable solvent TMG (1,1,3,3-tetramethylguanidine)/1-propanol/carbon dioxide system. Turkish Journal of Chemistry, 2015, 39, 13-24.	1.2	25

#	Article	IF	Citations
19	Kinetics of carbon dioxide binding by 1,1,3,3-tetramethylguanidine in 1-hexanol. International Journal of Greenhouse Gas Control, 2014, 26, 76-82.	4.6	32
20	Investigation of Biocatalytic Absorption and Ultrasound-Assisted Desorption Performance of CO2 Capture. Hacettepe Journal of Biology and Chemistry, 0, , .	0.9	1