

Erdogan Alper

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11184751/publications.pdf>

Version: 2024-02-01

32
papers

1,235
citations

623734

14
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

1468
citing authors

#	ARTICLE	IF	CITATIONS
1	The development of reaction kinetics for CO ₂ absorption into novel solvent systems: Frustrated Lewis pairs (FLPs). Separation and Purification Technology, 2020, 252, 117450.	7.9	3
2	Kinetics and mechanism of reaction between carbon disulfide and novel aqueous amines solutions. International Journal of Global Warming, 2019, 18, 401.	0.5	2
3	Kinetics of reaction between CO ₂ 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
4	Innovative Carbon Dioxide Capturing Organic Solvent: Reaction Mechanism and Kinetics. Chemical Engineering and Technology, 2017, 40, 737-744.	1.5	8
5	The Absorption Kinetics of CO ₂ into Ionic Liquid CO ₂ Binding Organic Liquid and Hybrid Solvents. Green Energy and Technology, 2017, , 241-261.	0.6	7
6	CO ₂ utilization: Developments in conversion processes. Petroleum, 2017, 3, 109-126.	2.8	460
7	Solid amine sorbents for CO ₂ capture by chemical adsorption: A review. Petroleum, 2017, 3, 37-50.	2.8	201
8	Ultrasound-assisted Desorption of CO ₂ from Carbon Dioxide Binding Organic Liquids. Energy Procedia, 2017, 114, 66-71.	1.8	12
9	Kinetics of Carbon Dioxide Absorption by Nonaqueous Solutions of Promoted Sterically Hindered Amines. Energy Procedia, 2017, 114, 57-65.	1.8	10
10	Experimental and theoretical investigation of the reaction between CO ₂ and carbon dioxide binding organic liquids. Turkish Journal of Chemistry, 2016, 40, 706-719.	1.2	4
11	Kinetic performance of ionic liquid diethanolamine system for CO ₂ absorption. Chemical Data Collections, 2016, 2, 25-35.	2.3	4
12	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
13	Kinetics of CO ₂ Capture by Carbon Dioxide Binding Organic Liquids. Green Energy and Technology, 2016, , 591-603.	0.6	0
14	Kinetics of CO ₂ capture by ionic liquid CO ₂ binding organic liquid dual systems. Chemical Engineering and Processing: Process Intensification, 2016, 101, 50-55.	3.6	27
15	Kinetics of Carbon Dioxide Binding by Promoted Organic Liquids. Chemical Engineering and Technology, 2015, 38, 1485-1489.	1.5	12
16	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
17	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
18	Mechanism and Kinetics of Carbon Dioxide Capture Using Activated 2-Amino-2-methyl-1,3-propanediol. International Journal of Chemical Kinetics, 2013, 45, 566-573.	1.6	17

#	ARTICLE	IF	CITATIONS
19	Kinetics of Carbon Dioxide Reaction with Aqueous Mixture of Piperazine and 2-Amino-2-ethyl-1,3-Propanediol. International Journal of Chemical Kinetics, 2013, 45, 161-167.	1.6	20
20	The kinetics of carbon dioxide capture by solutions of piperazine and N-methyl piperazine. International Journal of Global Warming, 2011, 3, 67.	0.5	20
21	Kinetics and mechanisms of reaction between carbon disulphide and morpholine in aqueous solutions. Chemical Engineering and Technology, 1994, 17, 138-140.	1.5	12
22	Comments on kinetics of reaction of carbonyl sulphide with aqueous MDEA. Chemical Engineering Science, 1993, 48, 1179-1180.	3.8	6
23	Kinetics of reactions of carbon dioxide with diglycolamine and morpholine. The Chemical Engineering Journal, 1990, 44, 107-111.	0.3	39
24	Reaction mechanism and kinetics of aqueous solutions of 2-amino-2-methyl-1-propanol and carbon dioxide. Industrial & Engineering Chemistry Research, 1990, 29, 1725-1728.	3.7	184
25	Performance of an RTL contactor for gas-liquid systems: Effective interfacial area and volumetric mass transfer coefficient by oxidation of sodium sulphite solution. Chemical Engineering and Technology, 1989, 12, 15-19.	1.5	5
26	EFFECT OF FINE SOLID PARTICLES ON GAS-LIQUID MASS TRANSFER RATE IN A SLURRY REACTOR. Chemical Engineering Communications, 1986, 46, 147-158.	2.6	28
27	Some Aspects of Gas Absorption Mechanism in Slurry Reactors. , 1983, , 871-896.		5
28	Process Design Aspects of Gas Absorbers. , 1983, , 291-339.		1
29	Introduction to Mass Transfer with Chemical Reaction Operations (with Emphasis on Gas-Liquid) Tj ETQq1 1 0.784314 rgBT /Qverlock		
30	Katalytische Suspensions-Reaktoren. Chemie-Ingenieur-Technik, 1980, 52, 219-228.	0.8	31
31	Comments on "Gas-liquid reactions. Formulation as initial value problems" Chemical Engineering Science, 1979, 34, 1076-1077.	3.8	7
32	Der Einfluß von Carbonic Anhydrase auf die CO ₂ -Absorption in Carbonat/Hydrogencarbonat-Lösungen. Chemie-Ingenieur-Technik, 1979, 51, 980-981.	0.8	2