

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	CO2 utilization: Developments in conversion processes. <i>Petroleum</i> , 2017, 3, 109-126.	2.8	460
2	Solid amine sorbents for CO2 capture by chemical adsorption: A review. <i>Petroleum</i> , 2017, 3, 37-50.	2.8	201
3	Reaction mechanism and kinetics of aqueous solutions of 2-amino-2-methyl-1-propanol and carbon dioxide. <i>Industrial & Engineering Chemistry Research</i> , 1990, 29, 1725-1728.	3.7	184
4	Kinetics of reactions of carbon dioxide with diglycolamine and morpholine. <i>The Chemical Engineering Journal</i> , 1990, 44, 107-111.	0.3	39
5	Kinetics of carbon dioxide binding by 1,1,3,3-tetramethylguanidine in 1-hexanol. <i>International Journal of Greenhouse Gas Control</i> , 2014, 26, 76-82.	4.6	32
6	Katalytische Suspensions-Reaktoren. <i>Chemie-Ingenieur-Technik</i> , 1980, 52, 219-228.	0.8	31
7	Kinetics of reaction between CO2 and ionic liquid-carbon dioxide binding organic liquid hybrid systems: Analysis of gas-liquid absorption and stopped flow experiments. <i>Chemical Engineering Science</i> , 2017, 170, 36-47.	3.8	31
8	EFFECT OF FINE SOLID PARTICLES ON GAS-LIQUID MASS TRANSFER RATE IN A SLURRY REACTOR. <i>Chemical Engineering Communications</i> , 1986, 46, 147-158.	2.6	28
9	Kinetics of CO2 capture by ionic liquid-CO2 binding organic liquid dual systems. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 101, 50-55.	3.6	27
10	Kinetics and performance studies of a switchable solvent TMG (1,1,3,3-tetramethylguanidine)/1-propanol/carbon dioxide system. <i>Turkish Journal of Chemistry</i> , 2015, 39, 13-24.	1.2	25
11	The kinetics of carbon dioxide capture by solutions of piperazine and N-methyl piperazine. <i>International Journal of Global Warming</i> , 2011, 3, 67.	0.5	20
12	Kinetics of Carbon Dioxide Reaction with Aqueous Mixture of Piperazine and 2-Amino-2-ethyl-1,3-propanediol. <i>International Journal of Chemical Kinetics</i> , 2013, 45, 161-167.	1.6	20
13	Kinetics of CO2 capture by carbon dioxide binding organic liquids: Experimental and molecular modelling studies. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 379-386.	4.6	18
14	Mechanism and Kinetics of Carbon Dioxide Capture Using Activated 2-Amino-2-methyl-1,3-propanediol. <i>International Journal of Chemical Kinetics</i> , 2013, 45, 566-573.	1.6	17
15	Kinetics and mechanisms of reaction between carbon disulphide and morpholine in aqueous solutions. <i>Chemical Engineering and Technology</i> , 1994, 17, 138-140.	1.5	12
16	Kinetics of Carbon Dioxide Binding by Promoted Organic Liquids. <i>Chemical Engineering and Technology</i> , 2015, 38, 1485-1489.	1.5	12
17	Ultrasound-assisted Desorption of CO2 from Carbon Dioxide Binding Organic Liquids. <i>Energy Procedia</i> , 2017, 114, 66-71.	1.8	12
18	Kinetics of Carbon Dioxide Absorption by Nonaqueous Solutions of Promoted Sterically Hindered Amines. <i>Energy Procedia</i> , 2017, 114, 57-65.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Innovative Carbon Dioxide Capturing Organic Solvent: Reaction Mechanism and Kinetics. Chemical Engineering and Technology, 2017, 40, 737-744.	1.5	8
20	Comments on "Gas-liquid reactions. Formulation as initial value problems". Chemical Engineering Science, 1979, 34, 1076-1077.	3.8	7
21	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
22	Comments on kinetics of reaction of carbonyl sulphide with aqueous MDEA. Chemical Engineering Science, 1993, 48, 1179-1180.	3.8	6
23	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
24	Some Aspects of Gas Absorption Mechanism in Slurry Reactors. , 1983, , 871-896.		5
25	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
26	Kinetic performance of ionic liquid " diethanolamine system for CO ₂ absorption. Chemical Data Collections, 2016, 2, 25-35.	2.3	4
27	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
28	Der Einfluss von Carbonic Anhydrase auf die CO ₂ -Absorption in Carbonat/Hydrogencarbonat-Lösungen. Chemie-Ingenieur-Technik, 1979, 51, 980-981.	0.8	2
29	Kinetics and mechanism of reaction between carbon disulfide and novel aqueous amines solutions. International Journal of Global Warming, 2019, 18, 401.	0.5	2
30	Process Design Aspects of Gas Absorbers. , 1983, , 291-339.		1
31	Introduction to Mass Transfer with Chemical Reaction Operations (with Emphasis on Gas-Liquid) Tj ETQq1 1 0.784314 rgBT /Overlock		1
32	Kinetics of CO ₂ Capture by Carbon Dioxide Binding Organic Liquids. Green Energy and Technology, 2016, , 591-603.	0.6	0