

Eni Oko

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

894
citations

516215

16
h-index

476904

29
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38
all docs

38
docs citations

38
times ranked

851
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the impacts of supplements on the specific methane production during anaerobic digestion of the West African Gamba and Guinea Grass. <i>Fuel</i> , 2021, 285, 119060.	3.4	12
2	Technical and economic performance assessment of post-combustion carbon capture using piperazine for large scale natural gas combined cycle power plants through process simulation. <i>Applied Energy</i> , 2021, 292, 116893.	5.1	31
3	Novel low-cost pre-treatment material for enhancing the methane yield during anaerobic digestion of lignocellulosic biomass feedstocks: Experimental and kinetic study. <i>Renewable Energy</i> , 2021, 179, 584-592.	4.3	6
4	A new method for scale-up of solvent-based post-combustion carbon capture process with packed columns. <i>International Journal of Greenhouse Gas Control</i> , 2020, 93, 102900.	2.3	11
5	Nonlinear model predictive control (NMPC) of the solvent-based post-combustion CO ₂ capture process. <i>Energy</i> , 2020, 213, 118840.	4.5	13
6	Flexible operation of large-scale coal-fired power plant integrated with solvent-based post-combustion CO ₂ capture based on neural network inverse control. <i>International Journal of Greenhouse Gas Control</i> , 2020, 95, 102985.	2.3	21
7	Study of mass transfer correlations for rotating packed bed columns in the context of solvent-based carbon capture. <i>International Journal of Greenhouse Gas Control</i> , 2019, 91, 102831.	2.3	9
8	Experimental study of CO ₂ solubility in high concentration MEA solution for intensified solvent-based carbon capture. <i>MATEC Web of Conferences</i> , 2019, 272, 01004.	0.1	1
9	Process modelling, validation and analysis of rotating packed bed stripper in the context of intensified CO ₂ capture with MEA. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 75, 285-295.	2.9	30
10	Study of CO ₂ removal in natural gas process using mixture of ionic liquid and MEA through process simulation. <i>Fuel</i> , 2019, 236, 135-146.	3.4	57
11	Thermodynamic performance evaluation of supercritical CO ₂ closed Brayton cycles for coal-fired power generation with solvent-based CO ₂ capture. <i>Energy</i> , 2019, 166, 1074-1088.	4.5	51
12	Non-linear system identification of solvent-based post-combustion CO ₂ capture process. <i>Fuel</i> , 2019, 239, 1213-1223.	3.4	17
13	Process analysis and economic evaluation of mixed aqueous ionic liquid and monoethanolamine (MEA) solvent for CO ₂ capture from a coke oven plant. , 2018, 8, 686-700.		18
14	Modelling of a post-combustion CO ₂ capture process using deep belief network. <i>Applied Thermal Engineering</i> , 2018, 130, 997-1003.	3.0	50
15	Process modelling and analysis of intensified CO ₂ capture using monoethanolamine (MEA) in rotating packed bed absorber. <i>Journal of Cleaner Production</i> , 2018, 204, 1124-1142.	4.6	45
16	Study of intercooling for rotating packed bed absorbers in intensified solvent-based CO ₂ capture process. <i>Applied Energy</i> , 2018, 223, 302-316.	5.1	19
17	Model-free adaptive control for MEA-based post-combustion carbon capture processes. <i>Fuel</i> , 2018, 224, 637-643.	3.4	24
18	Technical and Economic Analysis of Ionic Liquid-Based Post-combustion CO ₂ Capture Process. <i>Green Energy and Technology</i> , 2018, , 1393-1411.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Modelling of a post-combustion CO ₂ capture process using extreme learning machine. International Journal of Coal Science and Technology, 2017, 4, 33-40.	2.7	11
20	Modelling, simulation and analysis of intensified regenerator for solvent based carbon capture using rotating packed bed technology. Applied Energy, 2017, 203, 11-25.	5.1	37
21	Current status and future development of solvent-based carbon capture. International Journal of Coal Science and Technology, 2017, 4, 5-14.	2.7	53
22	Process simulation and analysis of carbon capture with an aqueous mixture of ionic liquid and monoethanolamine solvent. International Journal of Coal Science and Technology, 2017, 4, 25-32.	2.7	15
23	Study of Mass Transfer Correlations for Intensified Absorbers in Post-combustion CO ₂ Capture Based on Chemical Absorption. Energy Procedia, 2017, 114, 1630-1636.	1.8	5
24	Special issue on carbon capture in the context of carbon capture, utilisation and storage (CCUS). International Journal of Coal Science and Technology, 2017, 4, 1-4.	2.7	15
25	Study of absorber intercooling in solvent-based CO ₂ capture based on rotating packed bed technology. Energy Procedia, 2017, 142, 3511-3516.	1.8	7
26	12 Carbon Capture. Green Chemistry and Chemical Engineering, 2017, , 457-632.	0.0	1
27	Modelling of a post-combustion CO ₂ capture process using extreme learning machine. , 2016, , .		2
28	Dynamic Modelling and Analysis of Supercritical Coal-Fired Power Plant Integrated with Post-combustion CO ₂ Capture. , 2016, , 359-363.		3
29	Modelling of a Post-combustion CO ₂ Capture Process Using Bootstrap Aggregated Extreme Learning Machines. Computer Aided Chemical Engineering, 2016, , 2007-2012.	0.3	10
30	Neural network approach for predicting drum pressure and level in coal-fired subcritical power plant. Fuel, 2015, 151, 139-145.	3.4	40
31	Modelling of a post-combustion CO ₂ capture process using neural networks. Fuel, 2015, 151, 156-163.	3.4	57
32	Simplification of detailed rate-based model of post-combustion CO ₂ capture for full chain CCS integration studies. Fuel, 2015, 142, 87-93.	3.4	9
33	Process Simulation and Analysis for CO ₂ Transport Pipeline Design and Operation – Case Study for the Humber Region in the UK. Computer Aided Chemical Engineering, 2014, , 1633-1638.	0.3	6
34	Simulation-based techno-economic evaluation for optimal design of CO ₂ transport pipeline network. Applied Energy, 2014, 132, 610-620.	5.1	63
35	Process analysis of intensified absorber for post-combustion CO ₂ capture through modelling and simulation. International Journal of Greenhouse Gas Control, 2014, 21, 91-100.	2.3	68
36	Dynamic modelling, validation and analysis of coal-fired subcritical power plant. Fuel, 2014, 135, 292-300.	3.4	63

#	ARTICLE	IF	CITATIONS
37	Case study on CO ₂ transport pipeline network design for Humber region in the UK. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2014, 228, 210-225.	1.4	11