

# Chikezie Nwaoha

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,329  
citations

516710

16  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1524  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> capture from water-gas shift process plant: Comparative bench-scale pilot plant investigation of MDEA-PZ blend vs novel MDEA activated by 1,5-diamino-2-methylpentane. <i>International Journal of Greenhouse Gas Control</i> , 2019, 82, 218-228.	4.6	14
2	Carbon dioxide capture from pulp mill using 2-amino-2-methyl-1-propanol and monoethanolamine blend: Techno-economic assessment of advanced process configuration. <i>Applied Energy</i> , 2019, 250, 1202-1216.	10.1	21
3	Absorption heat, solubility, absorption and desorption rates, cyclic capacity, heat duty, and absorption kinetic modeling of AMP+DETA blend for post-combustion CO <sub>2</sub> capture. <i>Separation and Purification Technology</i> , 2018, 194, 89-95.	7.9	61
4	CO <sub>2</sub> capture from lime kiln using AMP-DA2MP amine solvent blend: A pilot plant study. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7102-7110.	6.7	19
5	Techno-economic analysis of CO <sub>2</sub> capture from a 1.2 million MTPA cement plant using AMP-PZ-MEA blend. <i>International Journal of Greenhouse Gas Control</i> , 2018, 78, 400-412.	4.6	59
6	Process simulation and parametric sensitivity study of CO <sub>2</sub> capture from 115-MW coal-fired power plant using MEA+DEA blend. <i>International Journal of Greenhouse Gas Control</i> , 2018, 76, 1-11.	4.6	26
7	A comparative study of novel activated AMP using 1,5-diamino-2-methylpentane vs MEA solution for CO <sub>2</sub> capture from gas-fired power plant. <i>Fuel</i> , 2018, 234, 1089-1098.	6.4	34
8	Advancement and new perspectives of using formulated reactive amine blends for post-combustion carbon dioxide (CO <sub>2</sub> ) capture technologies. <i>Petroleum</i> , 2017, 3, 10-36.	2.8	66
9	Heat duty, heat of absorption, sensible heat and heat of vaporization of 2-Amino-2-Methyl-1-Propanol (AMP), Piperazine (PZ) and Monoethanolamine (MEA) tri-solvent blend for carbon dioxide (CO <sub>2</sub> ) capture. <i>Chemical Engineering Science</i> , 2017, 170, 26-35.	3.8	96
10	Process simulation, parametric sensitivity analysis and ANFIS modeling of CO <sub>2</sub> capture from natural gas using aqueous MDEA+PZ blend solution. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5588-5598.	6.7	20
11	Carbon Dioxide (CO <sub>2</sub> ) Solubility in Diethylenetriamine and 2-Amino-2-Methyl-1-Propanol (DETA+AMP) Solvent System for Amine-Based CO <sub>2</sub> Capture in Flue Gas from Coal Combustion. <i>Energy Procedia</i> , 2017, 114, 1973-1979.	1.8	7
12	Regeneration Energy Analysis of Aqueous Tri-Solvent Blends Containing 2-Amino-2-Methyl-1-Propanol (AMP), Methyldiethanolamine (MDEA) and Diethylenetriamine (DETA) for Carbon Dioxide (CO <sub>2</sub> ) Capture. <i>Energy Procedia</i> , 2017, 114, 2039-2046.	1.8	17
13	Carbon dioxide (CO <sub>2</sub> ) capture performance of aqueous tri-solvent blends containing 2-amino-2-methyl-1-propanol (AMP) and methyldiethanolamine (MDEA) promoted by diethylenetriamine (DETA). <i>International Journal of Greenhouse Gas Control</i> , 2016, 53, 292-304.	4.6	88
14	Carbon dioxide (CO <sub>2</sub> ) capture: Absorption-desorption capabilities of 2-amino-2-methyl-1-propanol (AMP), piperazine (PZ) and monoethanolamine (MEA) tri-solvent blends. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 742-750.	4.4	122
15	Recent advances in corrosion protective composite coatings based on conducting polymers and natural resource derived polymers. <i>Progress in Organic Coatings</i> , 2014, 77, 743-756.	3.9	105
16	A review of the utilization and monetization of Nigeria's natural gas resources: Current realities. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 18, 412-432.	4.4	40
17	A review of Australia's natural gas resources and their exploitation. <i>Journal of Natural Gas Science and Engineering</i> , 2013, 10, 68-88.	4.4	70
18	An overview of renewable energy potential and utilisation in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 21, 582-589.	16.4	21

#	ARTICLE	IF	CITATIONS
19	A review on solar energy utilisation in Australia. Renewable and Sustainable Energy Reviews, 2013, 18, 1-5.	16.4	101
20	Review of Wind Energy Utilization in Australia. Journal of Sustainable Energy Engineering, 2013, 1, 54-61.	0.3	2
21	Gas-to-liquids (GTL): A review of an industry offering several routes for monetizing natural gas. Journal of Natural Gas Science and Engineering, 2012, 9, 196-208.	4.4	334
22	Monetizing Stranded Reserves: The Role of Floating LNG. , 2011, , .		2
23	Controlling Fugitive Emissions in Nigeria's Oil and Gas Industry: Proper Sealing Device Selection a Panacea. , 2010, , .		4