

Fernando Vega

List of Publications by Year in descending order

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17
papers

612
citations

840776

11
h-index

888059

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18
docs citations

18
times ranked

691
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and simulation of an integrated power-to-methanol approach via high temperature electrolysis and partial oxy-combustion technology. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 34128-34147.	7.1	10
2	Novel process for carbon capture and utilization and saline wastes valorization. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 73, 103071.	4.4	18
3	Kinetic evaluation of sterically hindered amines under partial oxy-combustion conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1858-1864.	3.2	6
4	Thermochemical evaluation of oxygen transport membranes under oxy-combustion conditions in a pilot-scale facility. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1865-1875.	3.2	3
5	Alternatives for oxygen-selective membrane systems and their integration into the oxy-fuel combustion process: A review. <i>Separation and Purification Technology</i> , 2019, 229, 115708.	7.9	41
6	Converting CO ₂ from biogas and MgCl ₂ residues into valuable magnesium carbonate: A novel strategy for renewable energy production. <i>Energy</i> , 2019, 180, 457-464.	8.8	32
7	Understanding the influence of the alkaline cation K ⁺ or Na ⁺ in the regeneration efficiency of a biogas upgrading unit. <i>International Journal of Energy Research</i> , 2019, 43, 1578-1585.	4.5	14
8	Synergizing carbon capture storage and utilization in a biogas upgrading lab-scale plant based on calcium chloride: Influence of precipitation parameters. <i>Science of the Total Environment</i> , 2019, 670, 59-66.	8.0	29
9	Biogas upgrading by cryogenic techniques. <i>Environmental Chemistry Letters</i> , 2019, 17, 1251-1261.	16.2	71
10	Professional design of chemical plants based on problem-based learning on a pilot plant. <i>Education for Chemical Engineers</i> , 2019, 26, 30-34.	4.8	13
11	Carbon capture and utilization technologies: a literature review and recent advances. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 1403-1433.	2.3	207
12	Review: recent advances in biogas purifying technologies. <i>International Journal of Green Energy</i> , 2019, 16, 401-412.	3.8	85
13	Regeneration of Sodium Hydroxide from a Biogas Upgrading Unit through the Synthesis of Precipitated Calcium Carbonate: An Experimental Influence Study of Reaction Parameters. <i>Processes</i> , 2018, 6, 205.	2.8	28
14	Evaluation of MEA 5 M performance at different CO ₂ concentrations of flue gas tested at a CO ₂ capture lab-scale plant. <i>Energy Procedia</i> , 2017, 114, 6222-6228.	1.8	27
15	Kinetic Characterization of Solvents for CO ₂ Capture under Partial Oxy-combustion Conditions. <i>Energy Procedia</i> , 2017, 114, 2055-2060.	1.8	6
16	EXPERIENCIAS DE APRENDIZAJE EN INGENIERÍA QUÍMICA: DISEÑO, MONTAJE Y PUESTA EN MARCHA DE UNA UNIDAD DE DESTILACIÓN A ESCALA LABORATORIO MEDIANTE EL APRENDIZAJE BASADO EN PROBLEMAS. <i>Formacion Universitaria</i> , 2014, 7, 13-22.	0.7	12
17	Development of Partial Oxy-combustion Technology: New Solvents Applied to CO ₂ Capture in Fossil-fuels Power Plants. <i>Energy Procedia</i> , 2014, 63, 484-489.	1.8	8