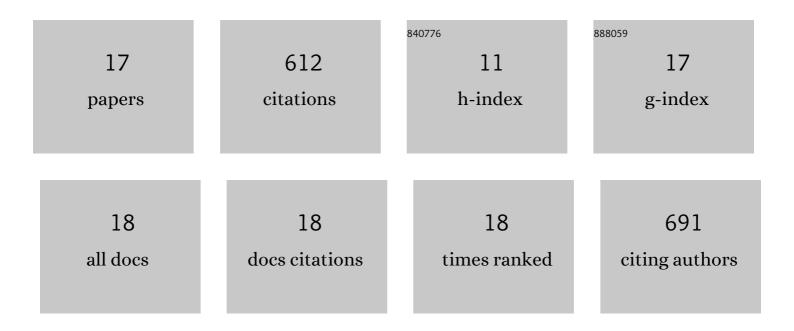
## Fernando Vega

List of Publications by Year in descending order

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FERNANDO VECA

#	Article	IF	CITATIONS
1	Carbon capture and utilization technologies: a literature review and recent advances. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1403-1433.	2.3	207
2	Review: recent advances in biogas purifying technologies. International Journal of Green Energy, 2019, 16, 401-412.	3.8	85
3	Biogas upgrading by cryogenic techniques. Environmental Chemistry Letters, 2019, 17, 1251-1261.	16.2	71
4	Alternatives for oxygen-selective membrane systems and their integration into the oxy-fuel combustion process: A review. Separation and Purification Technology, 2019, 229, 115708.	7.9	41
5	Converting CO2 from biogas and MgCl2 residues into valuable magnesium carbonate: A novel strategy for renewable energy production. Energy, 2019, 180, 457-464.	8.8	32
6	Synergizing carbon capture storage and utilization in a biogas upgrading lab-scale plant based on calcium chloride: Influence of precipitation parameters. Science of the Total Environment, 2019, 670, 59-66.	8.0	29
7	Regeneration of Sodium Hydroxide from a Biogas Upgrading Unit through the Synthesis of Precipitated Calcium Carbonate: An Experimental Influence Study of Reaction Parameters. Processes, 2018, 6, 205.	2.8	28
8	Evaluation of MEA 5 M performance at different CO2 concentrations of flue gas tested at a CO2 capture lab-scale plant. Energy Procedia, 2017, 114, 6222-6228.	1.8	27
9	Novel process for carbon capture and utilization and saline wastes valorization. Journal of Natural Gas Science and Engineering, 2020, 73, 103071.	4.4	18
10	Understanding the influence of the alkaline cation K <sup>+</sup> or Na <sup>+</sup> in the regeneration efficiency of a biogas upgrading unit. International Journal of Energy Research, 2019, 43, 1578-1585.	4.5	14
11	Professional design of chemical plants based on problem-based learning on a pilot plant. Education for Chemical Engineers, 2019, 26, 30-34.	4.8	13
12	EXPERIENCIAS DE APRENDIZAJE EN INGENIERÃA QUÃMICA: DISEÑO, MONTAJE Y PUESTA EN MARCHA DE UNA UNIDAD DE DESTILACIÓN A ESCALA LABORATORIO MEDIANTE EL APRENDIZAJE BASADO EN PROBLEMAS. Formacion Universitaria, 2014, 7, 13-22.	0.7	12
13	Modeling and simulation of an integrated power-to-methanol approach via high temperature electrolysis and partial oxy-combustion technology. International Journal of Hydrogen Energy, 2021, 46, 34128-34147.	7.1	10
14	Development of Partial Oxy-combustion Technology: New Solvents Applied to CO2 Capture in Fossil-fuels Power Plants. Energy Procedia, 2014, 63, 484-489.	1.8	8
15	Kinetic Characterization of Solvents for CO2 Capture under Partial Oxy-combustion Conditions. Energy Procedia, 2017, 114, 2055-2060.	1.8	6
16	Kinetic evaluation of sterically hindered amines under partial oxy ombustion conditions. Journal of Chemical Technology and Biotechnology, 2020, 95, 1858-1864.	3.2	6
17	Thermochemical evaluation of oxygen transport membranes under oxyâ€combustion conditions in a pilotâ€scale facility. Journal of Chemical Technology and Biotechnology, 2020, 95, 1865-1875.	3.2	3