

# Mauro Mureddu

## List of Publications by Year in descending order

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14  
papers

527  
citations

1040056

9  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

771  
citing authors

#	ARTICLE	IF	CITATIONS
1	Air- and oxygen-blown characterization of coal and biomass by thermogravimetric analysis. <i>Fuel</i> , 2018, 212, 626-637.	6.4	168
2	Highly efficient CuO/ZnO/ZrO <sub>2</sub> @SBA-15 nanocatalysts for methanol synthesis from the catalytic hydrogenation of CO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117941.	20.2	105
3	Colloidal Bi <sub>2</sub> S <sub>3</sub> Nanocrystals: Quantum Size Effects and Midgap States. <i>Advanced Functional Materials</i> , 2014, 24, 3341-3350.	14.9	65
4	Techno-Economic Analysis of a Small-Scale Biomass-to-Energy BFB Gasification-Based System. <i>Energies</i> , 2019, 12, 494.	3.1	51
5	MeO <sub>x</sub> /SBA-15 (Me = Zn, Fe): highly efficient nanosorbents for mid-temperature H <sub>2</sub> S removal. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19396-19406.	10.3	48
6	Thermogravimetric characterisation and kinetic analysis of <i>Nannochloropsis</i> sp. and <i>Tetraselmis</i> sp. microalgae for pyrolysis, combustion and oxy-combustion. <i>Energy</i> , 2021, 217, 119394.	8.8	21
7	Ex-LDH-Based Catalysts for CO <sub>2</sub> Conversion to Methanol and Dimethyl Ether. <i>Catalysts</i> , 2021, 11, 615.	3.5	16
8	Experimental validation of a multiphase flow model of a lab-scale fluidized-bed gasification unit. <i>Applied Energy</i> , 2021, 293, 116933.	10.1	15
9	On the design of mesostructured acidic catalysts for the one-pot dimethyl ether production from CO <sub>2</sub> . <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 62, 102066.	6.8	12
10	A comprehensive pathway on the determination of the kinetic triplet and the reaction mechanism of brewer's spent grain and beech wood chips pyrolysis. <i>Renewable Energy</i> , 2022, 190, 548-559.	8.9	7
11	Bench-scale experimental tests and data analysis on CO <sub>2</sub> capture with potassium proline solutions for combined cycle decarbonization. <i>International Journal of Greenhouse Gas Control</i> , 2020, 93, 102881.	4.6	5
12	Metal-Free Modified Boron Nitride for Enhanced CO <sub>2</sub> Capture. <i>Energies</i> , 2020, 13, 549.	3.1	5
13	Bench-Scale Absorption Testing of Aqueous Potassium Lysinate as a New Solvent for CO <sub>2</sub> Capture in Natural Gas-Fired Power Plants. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103268.	4.6	5
14	Carbon Dioxide Conversion into Liquid Fuels by Hydrogenation and Photoelectrochemical Reduction: Project Description and Preliminary Experimental Results. <i>Energy Procedia</i> , 2017, 114, 6893-6904.	1.8	4