

# Giuseppe Bagnato

## List of Publications by Year in descending order

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17  
papers

413  
citations

840119

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940134

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g-index

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17  
docs citations

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times ranked

608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycerol Production and Transformation: A Critical Review with Particular Emphasis on Glycerol Reforming Reaction for Producing Hydrogen in Conventional and Membrane Reactors. <i>Membranes</i> , 2017, 7, 17.	1.4	118
2	From bioethanol exploitation to high grade hydrogen generation: Steam reforming promoted by a Co-Pt catalyst in a Pd-based membrane reactor. <i>Renewable Energy</i> , 2018, 119, 834-843.	4.3	55
3	Water gas shift reaction in membrane reactors: Theoretical investigation by artificial neural networks model and experimental validation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5897-5906.	3.8	33
4	A novel Ru-PEEK polyethersulfone (PES) catalytic membrane for highly efficient and selective hydrogenation of furfural to furfuryl alcohol. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4955-4965.	5.2	30
5	Supported Pd-Au Membrane Reactor for Hydrogen Production: Membrane Preparation, Characterization and Testing. <i>Molecules</i> , 2016, 21, 581.	1.7	29
6	Recent Catalytic Advances in Hydrotreatment Processes of Pyrolysis Bio-Oil. <i>Catalysts</i> , 2021, 11, 157.	1.6	29
7	New PEEK-WC and PLA membranes for H <sub>2</sub> separation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22138-22148.	3.8	24
8	Process and Techno-Economic Analysis for Fuel and Chemical Production by Hydrodeoxygenation of Bio-Oil. <i>Catalysts</i> , 2019, 9, 1021.	1.6	22
9	Pure Hydrogen Production in Membrane Reactor with Mixed Reforming Reaction by Utilizing Waste Gas: A Case Study. <i>Processes</i> , 2016, 4, 33.	1.3	17
10	Hydrogenation of Biobased Aldehydes to Monoalcohols Using Bimetallic Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11994-12004.	3.2	15
11	Effect of Li-LSX zeolite, NiCe/Al <sub>2</sub> O <sub>3</sub> and NiCe/ZrO <sub>2</sub> on the production of drop-in bio-fuels by pyrolysis and hydrotreating of Nannochloropsis and isochrysis microalgae. <i>Energy</i> , 2019, 179, 199-213.	4.5	14
12	Development of Ru-PEEK-WC catalytic membrane using a more sustainable solvent for stable hydrogenation reactions. <i>Fuel Processing Technology</i> , 2021, 216, 106766.	3.7	11
13	Pure Hydrogen Production via Ethanol Steam Reforming Reaction over a Novel Pt-Co Based Catalyst in a Dense Pd-Ag Membrane Reactor (An Experimental Study). <i>International Journal of Membrane Science and Technology</i> , 2015, 2, 5-14.	0.2	6
14	Membrane Considerations and Plant Design for Pre-Combustion CO <sub>2</sub> Capture. , 2018, , 415-435.		3
15	Pure Hydrogen Production from Steam Reforming of Bio-Sources. <i>International Journal of Membrane Science and Technology</i> , 2015, 2, 48-56.	0.2	3
16	Effect of Ceria Addition to Na <sub>2</sub> O-ZrO <sub>2</sub> Catalytic Mixtures on Lignin Waste Ex-Situ Pyrolysis. <i>Molecules</i> , 2021, 26, 827.	1.7	2
17	Hydrogen Production for PEM Fuel Cells. <i>Biofuels and Biorefineries</i> , 2015, , 339-356.	0.5	2