

# Gianni Golemme

## List of Publications by Year in descending order

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26  
papers

2,431  
citations

623734

14  
h-index

552781

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g-index

27  
all docs

27  
docs citations

27  
times ranked

3093  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amine-Functionalized Mesoporous Silica Adsorbent for CO <sub>2</sub> Capture in Confined-Fluidized Bed: Study of the Breakthrough Adsorption Curves as a Function of Several Operating Variables. <i>Processes</i> , 2022, 10, 422.	2.8	6
2	Silica Particles Derived from Natural Kaolinite for the Removal of Rhodamine B from Polluted Water. <i>Processes</i> , 2022, 10, 964.	2.8	4
3	Non-Covalent Cross-Linking Does the Job: Why PIM-1/Silicalite-1 Mixed Matrix Membranes Perform Well Notwithstanding Silicalite-1. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	3.9	2
4	Silica Monolith for the Removal of Pollutants from Gas and Aqueous Phases. <i>Molecules</i> , 2021, 26, 1316.	3.8	5
5	Arsenic photocatalytic oxidation over TiO <sub>2</sub> -loaded SBA-15. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106443.	6.7	21
6	Hyper-Cross-Linked Polymers for the Capture of Aromatic Volatile Compounds. <i>ACS Applied Polymer Materials</i> , 2020, 2, 647-658.	4.4	21
7	Competing non ideal behaviour of SAPO-34 and Poly(hexafluoropropylene) in mixed matrix membranes. <i>Microporous and Mesoporous Materials</i> , 2020, 303, 110241.	4.4	6
8	Toluene Adsorption by Mesoporous Silicas with Different Textural Properties: A Model Study for VOCs Retention and Water Remediation. <i>Materials</i> , 2020, 13, 2690.	2.9	4
9	Perfluoropolymer/Molecular Sieve Mixed-Matrix Membranes. <i>Membranes</i> , 2019, 9, 19.	3.0	8
10	Surface modification of molecular sieve fillers for mixed matrix membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 333-342.	4.7	12
11	Interfacial control in perfluoropolymer mixed matrix membranes for natural gas sweetening. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 169-176.	5.8	15
12	Description of gas transport in perfluoropolymer/SAPO-34 mixed matrix membranes using four-resistance model. <i>Separation and Purification Technology</i> , 2017, 185, 160-174.	7.9	11
13	Synthesis and gas sorption behaviour of ZIF-90 with large pore volume. <i>New Journal of Chemistry</i> , 2017, 41, 13235-13239.	2.8	15
14	Strategy for the enhancement of H <sub>2</sub> uptake in porous materials containing TiO <sub>2</sub> . <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5733-5740.	7.1	13
15	Resistance to the transport of H <sub>2</sub> through the external surface of as-made and modified silicalite-1 (MFI). <i>Microporous and Mesoporous Materials</i> , 2016, 220, 290-297.	4.4	15
16	Amine-functionalized SBA-15 in poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) yields permeable and selective nanostructured membranes for gas separation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11853.	10.3	45
17	New organophilic mixed matrix membranes derived from a polymer of intrinsic microporosity and silicalite-1. <i>Polymer</i> , 2013, 54, 2222-2230.	3.8	66
18	Dynamical homeotropic and planar alignments of chromonic liquid crystals. <i>Soft Matter</i> , 2012, 8, 8478.	2.7	30

#	ARTICLE	IF	CITATIONS
19	Some approaches for high performance polymer based membranes for gas separation: block copolymers, carbon molecular sieves and mixed matrix membranes. RSC Advances, 2012, 2, 10745.	3.6	155
20	Nanostructured Poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) Membranes for the Separation of Nitrogen from Natural Gas. Advanced Functional Materials, 2012, 22, 1759-1767.	14.9	56
21	Surface skin layer formation and molecular separation properties of asymmetric PEEKWC membranes. Separation and Purification Technology, 2011, 77, 104-111.	7.9	8
22	Direct Oxidation of Cyclohexene with Inert Polymeric Membrane Reactor. Organic Process Research and Development, 2010, 14, 252-258.	2.7	19
23	Membrane Gas Separation: A Review/State of the Art. Industrial & Engineering Chemistry Research, 2009, 48, 4638-4663.	3.7	1,792
24	Preparation and properties of superglassy polymers " zeolite mixed matrix membranes. Desalination, 2006, 200, 440-442.	8.2	37
25	<sup>129</sup> Xe-NMR study of free volume in amorphous perfluorinated polymers: comparison with other methods. Polymer, 2003, 44, 5039-5045.	3.8	63
26	Development and characterization of PPO composite membranes for gas separation. Macromolecular Symposia, 1999, 138, 93-97.	0.7	1