

Gianni Golemme

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/323116/publications.pdf>

Version: 2024-02-01

26
papers

2,431
citations

623734

14
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

3093
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane Gas Separation: A Review/State of the Art. Industrial & Engineering Chemistry Research, 2009, 48, 4638-4663.	3.7	1,792
2	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
3	New organophilic mixed matrix membranes derived from a polymer of intrinsic microporosity and silicalite-1. Polymer, 2013, 54, 2222-2230.	3.8	66
4	¹²⁹ Xe-NMR study of free volume in amorphous perfluorinated polymers: comparison with other methods. Polymer, 2003, 44, 5039-5045.	3.8	63
5	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
6	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. Journal of Materials Chemistry A, 2013, 1, 11853.	10.3	45
7	Preparation and properties of superglassy polymers " zeolite mixed matrix membranes. Desalination, 2006, 200, 440-442.	8.2	37
8	Dynamical homeotropic and planar alignments of chromonic liquid crystals. Soft Matter, 2012, 8, 8478.	2.7	30
9	Hyper-Cross-Linked Polymers for the Capture of Aromatic Volatile Compounds. ACS Applied Polymer Materials, 2020, 2, 647-658.	4.4	21
10	Arsenic photocatalytic oxidation over TiO ₂ -loaded SBA-15. Journal of Environmental Chemical Engineering, 2021, 9, 106443.	6.7	21
11	Direct Oxidation of Cyclohexene with Inert Polymeric Membrane Reactor. Organic Process Research and Development, 2010, 14, 252-258.	2.7	19
12	Resistance to the transport of H ₂ through the external surface of as-made and modified silicalite-1 (MFI). Microporous and Mesoporous Materials, 2016, 220, 290-297.	4.4	15
13	Synthesis and gas sorption behaviour of ZIF-90 with large pore volume. New Journal of Chemistry, 2017, 41, 13235-13239.	2.8	15
14	Interfacial control in perfluoropolymer mixed matrix membranes for natural gas sweetening. Journal of Industrial and Engineering Chemistry, 2018, 60, 169-176.	5.8	15
15	Strategy for the enhancement of H ₂ uptake in porous materials containing TiO ₂ . International Journal of Hydrogen Energy, 2016, 41, 5733-5740.	7.1	13
16	Surface modification of molecular sieve fillers for mixed matrix membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 333-342.	4.7	12
17	Description of gas transport in perfluoropolymer/SAPO-34 mixed matrix membranes using four-resistance model. Separation and Purification Technology, 2017, 185, 160-174.	7.9	11
18	Surface skin layer formation and molecular separation properties of asymmetric PEEKWC membranes. Separation and Purification Technology, 2011, 77, 104-111.	7.9	8

#	ARTICLE	IF	CITATIONS
19	Perfluoropolymer/Molecular Sieve Mixed-Matrix Membranes. <i>Membranes</i> , 2019, 9, 19.	3.0	8
20	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
21	Amine-Functionalized Mesoporous Silica Adsorbent for CO ₂ 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
22	Silica Monolith for the Removal of Pollutants from Gas and Aqueous Phases. <i>Molecules</i> , 2021, 26, 1316.	3.8	5
23	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
24	Silica Particles Derived from Natural Kaolinite for the Removal of Rhodamine B from Polluted Water. <i>Processes</i> , 2022, 10, 964.	2.8	4
25	Non-Covalent Cross-Linking Does the Job: Why PIM/Silicalite Mixed Matrix Membranes Perform Well Notwithstanding Silicalite. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	3.9	2
26	Development and characterization of PPO composite membranes for gas separation. <i>Macromolecular Symposia</i> , 1999, 138, 93-97.	0.7	1