Patricia Gorgojo

List of Publications by Year
in descending order

57 papers	3,720 citations	159585 30 h-index	144013 57 g-index
58 all docs	58 docs citations	58 times ranked	3804 citing authors

#	Article	IF	Citations
1	Effect of graphene oxide in the formation of polymeric asymmetric membranes via phase inversion. Journal of Membrane Science, 2022, 641, 119924.	8.2	32
2	Green supported liquid membranes: The permeability activity-based linear operation (PABLO) method. Chemical Engineering Journal, 2022, 446, 137253.	12.7	4
3	PIM-1 membranes containing POSS - graphene oxide for CO2 separation. Separation and Purification Technology, 2022, 298, 121447.	7.9	28
4	Immobilized graphene oxide-based membranes for improved pore wetting resistance in membrane distillation. Desalination, 2022, 537, 115898.	8.2	16
5	Thin film nanocomposite membranes of PIM-1 and graphene oxide/ZIF-8 nanohybrids for organophilic pervaporation. Separation and Purification Technology, 2022, 299, 121693.	7.9	6
6	Can emerging membrane-based desalination technologies replace reverse osmosis?. Desalination, 2021, 500, 114844.	8.2	101
7	Gas separation performance of MMMs containing (PIM-1)-functionalized GO derivatives. Journal of Membrane Science, 2021, 623, 118902.	8.2	48
8	Recovery of free volume in PIM-1 membranes through alcohol vapor treatment. Frontiers of Chemical Science and Engineering, 2021, 15, 872-881.	4.4	13
9	POSS-Functionalized Graphene Oxide/PVDF Electrospun Membranes for Complete Arsenic Removal Using Membrane Distillation. ACS Applied Polymer Materials, 2021, 3, 1854-1865.	4.4	32
10	High-Flux Thin Film Composite PIM-1 Membranes for Butanol Recovery: Experimental Study and Process Simulations. ACS Applied Materials & Interfaces, 2021, 13, 42635-42649.	8.0	15
11	2D boron nitride nanosheets in PIM-1 membranes for CO2/CH4 separation. Journal of Membrane Science, 2021, 636, 119527.	8.2	52
12	Membrane cleaning and pretreatments in membrane distillation â€“ a review. Chemical Engineering Journal, 2021, 422, 129696.	12.7	108
13	The use of carbon nanomaterials in membrane distillation membranes: a review. Frontiers of Chemical Science and Engineering, 2021, 15, 755-774.	4.4	37
14	Importance of small loops within PIM-1 topology on gas separation selectivity in thin film composite membranes. Journal of Materials Chemistry A, 2021, 9, 21807-21823.	10.3	30
15	On the biocompatibility of graphene oxide towards vascular smooth muscle cells. Nanotechnology, 2021, 32, 055101.	2.6	12
16	PIM-1/Holey Graphene Oxide Mixed Matrix Membranes for Gas Separation: Unveiling the Role of Holes. ACS Applied Materials & Interfaces, 2021, 13, 55517-55533.	8.0	22
17	Synthesis and modification of moisture-stable coordination pillared-layer metal-organic framework (CPL-MOF) CPL-2 for ethylene/ethane separation. Microporous and Mesoporous Materials, 2020, 293, 109784.	4.4	30
18	Polyethersulfone membranes: From ultrafiltration to nanofiltration via the incorporation of APTS functionalized-graphene oxide. Separation and Purification Technology, 2020, 230, 115836.	7.9	73

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19	Selective adsorption of ethane over ethylene on M(bdc)(ted)0.5 (M = Co, Cu, Ni, Zn) metal-organic frameworks (MOFs). Microporous and Mesoporous Materials, 2020, 292, 109724.	4.4	48
20	Understanding the Topology of the Polymer of Intrinsic Microporosity PIM-1: Cyclics, Tadpoles, and Network Structures and Their Impact on Membrane Performance. Macromolecules, 2020, 53, 569-583.	4.8	59
21	Intrinsically Microporous Polymer Nanosheets for Highâ€Performance Gas Separation Membranes. Macromolecular Rapid Communications, 2020, 41, e1900572.	3.9	23
22	Mitigation of Physical Aging with Mixed Matrix Membranes Based on Cross-Linked PIM-1 Fillers and PIM-1. ACS Applied Materials & Interfaces, 2020, 12, 46756-46766.	8.0	47
23	Superglassy Polymers to Treat Natural Gas by Hybrid Membrane/Amine Processes: Can Fillers Help?. Membranes, 2020, 10, 413.	3.0	7
24	Adsorptive separation of C2H6/C2H4 on metal-organic frameworks (MOFs) with pillared-layer structures. Separation and Purification Technology, 2020, 242, 116819.	7.9	40
25	Functionalized graphene-based polyamide thin film nanocomposite membranes for organic solvent nanofiltration. Separation and Purification Technology, 2020, 247, 116995.	7.9	53
26	Green Solvent Selection Guide for Biobased Organic Acid Recovery. ACS Sustainable Chemistry and Engineering, 2020, 8, 8958-8969.	6.7	48
27	Synergistic enhancement of gas selectivity in thin film composite membranes of PIM-1. Journal of Materials Chemistry A, 2019, 7, 6417-6430.	10.3	55
28	PVDF membranes containing reduced graphene oxide: Effect of degree of reduction on membrane distillation performance. Desalination, 2019, 452, 196-207.	8.2	92
29	Air-gap membrane distillation as a one-step process for textile wastewater treatment. Chemical Engineering Journal, 2019, 360, 1330-1340.	12.7	103
30	Dynamics of Salt Precipitation on Graphene Oxide Membranes. Crystal Growth and Design, 2019, 19, 498-505.	3.0	8
31	Velocity variation effect in fixed bed columns: A case study of CO₂ capture using porous solid adsorbents. AIChE Journal, 2018, 64, 2189-2197.	3.6	32
32	Flux-enhanced PVDF mixed matrix membranes incorporating APTS-functionalized graphene oxide for membrane distillation. Journal of Membrane Science, 2018, 554, 309-323.	8.2	144
33	Microwave-assisted synthesis of zirconium-based metal organic frameworks (MOFs): Optimization and gas adsorption. Microporous and Mesoporous Materials, 2018, 260, 45-53.	4.4	167
34	High flux and fouling resistant flat sheet polyethersulfone membranes incorporated with graphene oxide for ultrafiltration applications. Chemical Engineering Journal, 2018, 334, 789-799.	12.7	183
35	Study on the formation of thin film nanocomposite (TFN) membranes of polymers of intrinsic microporosity and graphene-like fillers: Effect of lateral flake size and chemical functionalization. Journal of Membrane Science, 2018, 565, 390-401.	8.2	38
36	Impeded physical aging in PIM-1 membranes containing graphene-like fillers. Journal of Membrane Science, 2018, 563, 513-520.	8.2	65

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37	High-flux PIM-1/PVDF thin film composite membranes for 1-butanol/water pervaporation. Journal of Membrane Science, 2017, 529, 207-214.	8.2	79
38	Enhanced organophilic separations with mixed matrix membranes of polymers of intrinsic microporosity and graphene-like fillers. Journal of Membrane Science, 2017, 526, 437-449.	8.2	57
39	Dispersal of pristine graphene for biological studies. RSC Advances, 2016, 6, 69551-69559.	3.6	8
40	Synthesis and characterization of composite membranes made of graphene and polymers of intrinsic microporosity. Carbon, 2016, 102, 357-366.	10.3	34
41	Mapping the Cu-BTC metalâ€“organic framework (HKUST-1) stability envelope in the presence of water vapour for CO2 adsorption from flue gases. Chemical Engineering Journal, 2015, 281, 669-677.	12.7	248
42	Membranes: Ultrathin Polymer Films with Intrinsic Microporosity: Anomalous Solvent Permeation and High Flux Membranes (Adv. Funct. Mater. 30/2014). Advanced Functional Materials, 2014, 24, 4728-4728.	14.9	3
43	Polyamide thin film composite membranes on cross-linked polyimide supports: Improvement of RO performance via activating solvent. Desalination, 2014, 344, 181-188.	8.2	83
44	Ultrathin Polymer Films with Intrinsic Microporosity: Anomalous Solvent Permeation and High Flux Membranes. Advanced Functional Materials, 2014, 24, 4729-4737.	14.9	235
45	Separation of H₂ and CO₂ Containing Mixtures with Mixed Matrix Membranes Based on Layered Materials. Current Organic Chemistry, 2014, 18, 2351-2363.	1.6	24
46	Melt Compounding of Swollen Titanosilicate JDF-L1 with Polysulfone To Obtain Mixed Matrix Membranes for H2/CH4 Separation. Industrial & Engineering Chemistry Research, 2013, 52, 1901-1907.	3.7	28
47	Beneath the surface: Influence of supports on thin film composite membranes by interfacial polymerization for organic solvent nanofiltration. Journal of Membrane Science, 2013, 448, 102-113.	8.2	164
48	High Flux Thin Film Nanocomposite Membranes Based on Metalâ€“Organic Frameworks for Organic Solvent Nanofiltration. Journal of the American Chemical Society, 2013, 135, 15201-15208.	13.7	663
49	Hybrid Organic-inorganic Membranes for Organic Solvent Nanofiltration. Procedia Engineering, 2012, 44, 96-99.	1.2	1
50	Exfoliated zeolite Nu-6(2) as filler for 6FDA-based copolyimide mixed matrix membranes. Journal of Membrane Science, 2012, 411-412, 146-152.	8.2	22
51	Mixed matrix membranes for gas separation with special nanoporous fillers. Desalination and Water Treatment, 2011, 27, 42-47.	1.0	40
52	Structural study on the Al distribution in zeolites Nu-6(1) and Nu-6(2). Microporous and Mesoporous Materials, 2011, 145, 211-216.	4.4	5
53	Direct exfoliation of layered zeolite Nu-6(1). Microporous and Mesoporous Materials, 2011, 142, 122-129.	4.4	16
54	Exfoliated Titanosilicate Material UZARâ€S1 Obtained from JDFâ€L1. European Journal of Inorganic Chemistry, 2010, 2010, 159-163.	2.0	42

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55	Development of mixed matrix membranes based on zeolite Nu-6(2) for gas separation. Microporous and Mesoporous Materials, 2008, 115, 85-92.	4.4	75
56	Preparation and Characterization of Zeolite Membranes. Membrane Science and Technology, 2008, 13, 135-175.	0.5	15
57	Mixed Matrix Membranes from Nanostructured Materials for Gas Separation. Studies in Surface Science and Catalysis, 2008, , 653-656.	1.5	6