

# Jakub Peter

## List of Publications by Year in descending order

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19  
papers

356  
citations

933447

10  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilayer composite membranes for gas separation based on crosslinked PTMSP gutter layer and partially crosslinked Matrimid® 5218 selective layer. <i>Journal of Membrane Science</i> , 2009, 340, 62-72.	8.2	83
2	Synthesis and gas transport properties of ODPA-ODA hyperbranched polyimides with various comonomer ratios. <i>European Polymer Journal</i> , 2009, 45, 1716-1727.	5.4	53
3	A review of the innovative gas separation membrane bioreactor with mechanisms for integrated production and purification of biohydrogen. <i>Bioresource Technology</i> , 2018, 270, 643-655.	9.6	33
4	Polyaniline/polybenzimidazole blends: Characterisation of its physico-chemical properties and gas separation behaviour. <i>European Polymer Journal</i> , 2016, 77, 98-113.	5.4	28
5	Thermally treated polyaniline/polybenzimidazole blend membranes: Structural changes and gas transport properties. <i>Journal of Membrane Science</i> , 2017, 537, 315-322.	8.2	26
6	Synthesis of hyperbranched copolyimides and their application as selective layers in composite membranes. <i>Desalination</i> , 2009, 245, 516-526.	8.2	25
7	Possibilities for the biologically-assisted utilization of CO <sub>2</sub> -rich gaseous waste streams generated during membrane technological separation of biohydrogen. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 36, 231-243.	6.8	20
8	Ionic Liquids as Delaminating Agents of Layered Double Hydroxide during In-Situ Synthesis of Poly (Butylene Adipate-co-Terephthalate) Nanocomposites. <i>Nanomaterials</i> , 2019, 9, 618.	4.1	17
9	Sustainable microwave synthesis of biodegradable active packaging films based on polycaprolactone and layered ZnO nanoparticles. <i>Polymer Degradation and Stability</i> , 2021, 190, 109625.	5.8	16
10	Ionic Liquids as Surfactants for Layered Double Hydroxide Fillers: Effect on the Final Properties of Poly (Butylene Adipate-Co-Terephthalate). <i>Nanomaterials</i> , 2017, 7, 297.	4.1	10
11	Comparative Evaluation of CO <sub>2</sub> Fixation of Microalgae Strains at Various CO <sub>2</sub> Aeration Conditions. <i>Waste and Biomass Valorization</i> , 2021, 12, 2999-3007.	3.4	10
12	Transport properties of aluminophosphate nanocomposite membranes prepared by in situ polymerization. <i>Journal of Membrane Science</i> , 2008, 316, 153-163.	8.2	8
13	Gas transport properties of novel mixed matrix membranes made of titanate nanotubes and PBI or PPO. <i>Desalination and Water Treatment</i> , 2014, , 1-9.	1.0	7
14	Poly(meth)acrylate nanocomposite membranes containing in situ exfoliated graphene platelets: Synthesis, characterization and gas barrier properties. <i>European Polymer Journal</i> , 2017, 94, 431-445.	5.4	7
15	Anion exchange membranes and binders based on polystyrene-block-poly(ethylene-ran-butylene)-block-polystyrene copolymer for alkaline water electrolysis. , 0, 142, 90-97.		5
16	Effect of the preparation conditions on the properties of polyetherimide hollow fibre membranes for gas separation. , 0, 75, 300-304.		4
17	Feasibility study of polyetherimide membrane for enrichment of carbon dioxide from synthetic biohydrogen mixture and subsequent utilization scenario using microalgae. <i>International Journal of Energy Research</i> , 2021, 45, 8327-8334.	4.5	3
18	Transient dynamics in a membrane module with a pulsed change of retentate: Modeling and experimental study of an unsteady-state mode of membrane gas separation process. <i>Separation and Purification Technology</i> , 2021, 259, 118201.	7.9	1

#	ARTICLE	IF	CITATIONS
19	Photodegradation of Poly[methyl(phenyl)silylene] in the Presence of Modifying Substances. Macromolecular Symposia, 2010, 295, 71-76.	0.7	0