

# Jean-Christophe Remigy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4092843/publications.pdf>

Version: 2024-02-01

46  
papers

1,617  
citations

331670

21  
h-index

289244

40  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1742  
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of textile dye effluent using a polyamide-based nanofiltration membrane. <i>Chemical Engineering and Processing: Process Intensification</i> , 2002, 41, 601-609.	3.6	218
2	New UV-photografted nanofiltration membranes for the treatment of colored textile dye effluents. <i>Journal of Membrane Science</i> , 2006, 286, 342-350.	8.2	105
3	A dense membrane contactor for intensified CO <sub>2</sub> gas/liquid absorption in post-combustion capture. <i>Journal of Membrane Science</i> , 2011, 377, 261-272.	8.2	100
4	Properties of Membranes Containing Semi-dispersed Carbon Nanotubes. <i>Environmental Engineering Science</i> , 2008, 25, 565-576.	1.6	95
5	Application of nanofiltration hollow fibre membranes, developed by photografting, to treatment of anionic dye solutions. <i>Journal of Membrane Science</i> , 2007, 297, 243-252.	8.2	93
6	Development of polymeric hollow fiber membranes containing catalytic metal nanoparticles. <i>Catalysis Today</i> , 2010, 156, 181-186.	4.4	76
7	Treatment of textile dye effluents using a new photografted nanofiltration membrane. <i>Desalination</i> , 2002, 149, 101-107.	8.2	74
8	Ammonia based CO <sub>2</sub> capture process using hollow fiber membrane contactors. <i>Journal of Membrane Science</i> , 2014, 455, 236-246.	8.2	72
9	Towards green membranes: preparation of cellulose acetate ultrafiltration membranes using methyl lactate as a biosolvent. <i>International Journal of Sustainable Engineering</i> , 2011, 4, 75-83.	3.5	63
10	From ultrafiltration to nanofiltration hollow fiber membranes: a continuous UV-photografting process. <i>Desalination</i> , 2002, 144, 9-14.	8.2	62
11	High catalytic efficiency of palladium nanoparticles immobilized in a polymer membrane containing poly(ionic liquid) in Suzuki-Miyaura cross-coupling reaction. <i>Journal of Membrane Science</i> , 2015, 492, 331-339.	8.2	57
12	Filtration performance and pore size distribution of hypochlorite aged PES/PVP ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2015, 474, 175-186.	8.2	52
13	Influence of UV grafting conditions and gel formation on the loading and stabilization of palladium nanoparticles in photografted polyethersulfone membrane for catalytic reactions. <i>Journal of Membrane Science</i> , 2014, 455, 55-63.	8.2	45
14	New composite membrane for water softening. <i>Desalination</i> , 2000, 131, 299-305.	8.2	44
15	Membrane modules for CO <sub>2</sub> capture based on PVDF hollow fibers with ionic liquids immobilized. <i>Journal of Membrane Science</i> , 2016, 498, 218-226.	8.2	41
16	Study of an innovative gas-liquid contactor for CO <sub>2</sub> absorption. <i>Energy Procedia</i> , 2011, 4, 1769-1776.	1.8	30
17	Sonication-assisted preparation of pristine MWCNT/polysulfone conductive microporous membranes. <i>Materials Letters</i> , 2011, 65, 229-232.	2.6	29
18	Morphological characterization of a polymeric microfiltration membrane by synchrotron radiation computed microtomography. <i>Journal of Membrane Science</i> , 2007, 305, 27-35.	8.2	27

#	ARTICLE	IF	CITATIONS
19	Hollow-Fiber Coating: Application to Preparation of Composite Hollow-Fiber Membrane for Gas Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 13146-13158.	3.7	26
20	UV-cured polysulfone-based membranes: Effect of co-solvent addition and evaporation process on membrane morphology and SRNF performance. <i>Journal of Membrane Science</i> , 2017, 524, 729-737.	8.2	26
21	A metrics-based approach to preparing sustainable membranes: application to ultrafiltration. <i>Green Chemistry</i> , 2019, 21, 4457-4469.	9.0	23
22	Characterisation of 3D porous macrostructure of hollow fibre membranes using X-ray tomography—Effects of some spinning process conditions. <i>Journal of Membrane Science</i> , 2013, 435, 11-20.	8.2	22
23	Filtration of biological sludge by immersed hollow-fiber membranes: influence of initial permeability choice of operating conditions. <i>Desalination</i> , 2002, 146, 427-431.	8.2	21
24	Modification of hollow fibers by UV surface grafting. <i>Journal of Membrane Science</i> , 2010, 364, 304-308.	8.2	21
25	Assessment of pore geometry and 3-D architecture of filtration membranes by synchrotron radiation computed microtomography. <i>Desalination</i> , 2006, 199, 501-503.	8.2	20
26	CO <sub>2</sub> capture by aqueous ammonia with hollow fiber membrane contactors: Gas phase reactions and performance stability. <i>Separation and Purification Technology</i> , 2018, 199, 189-197.	7.9	18
27	Mass transfer in a membrane aerated biofilm. <i>Water Research</i> , 2012, 46, 4761-4769.	11.3	17
28	Catalytic membrane reactor for Suzuki—Miyaura C—C cross-coupling: Explanation for its high efficiency via modeling. <i>AIChE Journal</i> , 2017, 63, 698-704.	3.6	16
29	Process-based LCA of ultrafiltration for drinking water production. <i>Water Research</i> , 2021, 199, 117156.	11.3	16
30	Numerical simulation of a UV photografting process for hollow-fiber membranes. <i>Journal of Membrane Science</i> , 2006, 278, 308-317.	8.2	15
31	Computer-Aided Method for the Determination of Hansen Solubility Parameters. Application to the Miscibility of Refrigerating Lubricant and New Refrigerant. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 4470-4476.	3.7	14
32	A generic process modelling — LCA approach for UF membrane fabrication: Application to cellulose acetate membranes. <i>Journal of Membrane Science</i> , 2021, 618, 118594.	8.2	14
33	Improving PVDF Hollow Fiber Membranes for CO <sub>2</sub> Gas Capture. <i>Separation Science and Technology</i> , 2012, 47, 1596-1605.	2.5	11
34	Human hepatic cell behavior on polysulfone membrane with double porosity level. <i>Journal of Membrane Science</i> , 2013, 428, 454-461.	8.2	9
35	Critical backwash flux for high backwash efficiency: Case of ultrafiltration of bentonite suspensions. <i>Journal of Membrane Science</i> , 2021, 620, 118836.	8.2	9
36	Remarkable catalytic activity of polymeric membranes containing gel-trapped palladium nanoparticles for hydrogenation reactions. <i>Catalysis Today</i> , 2021, 364, 263-269.	4.4	7

#	ARTICLE	IF	CITATIONS
37	Polyethersulfone hollow fiber modified with poly(styrenesulfonate) and Pd nanoparticles for catalytic reaction. European Physical Journal: Special Topics, 2015, 224, 1843-1848.	2.6	5
38	Hybrid Catalytic Membranes: Tunable and Versatile Materials for Fine Chemistry Applications. Materials Today: Proceedings, 2016, 3, 419-423.	1.8	5
39	Formation of continuous dense polymer layer at the surface of hollow fiber using a photografting process. Journal of Applied Polymer Science, 2015, 132, .	2.6	4
40	Does substituting reprotoxic solvents during ultrafiltration membrane fabrication really mitigate environmental impacts? Focus on drinking water production. Journal of Cleaner Production, 2022, 337, 130476.	9.3	4
41	EXPERIMENTAL CORRELATIONS BETWEEN HLB AND SOLUBILITY PARAMETERS IN OIL-IN-WATER EMULSIONS. Journal of Dispersion Science and Technology, 1997, 18, 489-502.	2.4	3
42	Membrane synthesis by microemulsion polymerisation stabilised by commercial non-ionic surfactants. Desalination, 2006, 199, 127-129.	8.2	2
43	Chemically modified polysulfones for molecular imprinting. Synthesis and complexation with a fluorescent model template. Reactive and Functional Polymers, 2013, 73, 531-539.	4.1	2
44	X-Ray Tomography Application to 3D Characterization of Membranes. , 0, , 209-228.		1
45	Modeling equations and dataset of model parameters for ultrafiltration membrane fabrication. Data in Brief, 2020, 33, 106363.	1.0	1
46	Elaboration of Composite Membrane for Gas/Liquid Separation. Procedia Engineering, 2012, 44, 294-296.	1.2	0