

Zhihao Jin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9838501/publications.pdf>

Version: 2024-02-01

29
papers

1,334
citations

331670

21
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of ceramic nanofiltration membrane for desalination of dye solutions containing NaCl and Na ₂ SO ₄ . <i>Desalination</i> , 2017, 404, 102-111.	8.2	145
2	Preparation of high-flux γ -alumina nanofiltration membranes by using a modified sol-gel method. <i>Microporous and Mesoporous Materials</i> , 2015, 214, 195-203.	4.4	84
3	A new route for the fabrication of TiO ₂ ultrafiltration membranes with suspension derived from a wet chemical synthesis. <i>Journal of Membrane Science</i> , 2006, 270, 179-186.	8.2	79
4	One-step preparation of high-performance bilayer γ -alumina ultrafiltration membranes via co-sintering process. <i>Journal of Membrane Science</i> , 2017, 524, 141-150.	8.2	70
5	Fabrication of TiO ₂ -doped ZrO ₂ nanofiltration membranes by using a modified colloidal sol-gel process and its application in simulative radioactive effluent. <i>Journal of Membrane Science</i> , 2016, 514, 476-486.	8.2	68
6	One-step engineering of low-cost kaolin/fly ash ceramic membranes for efficient separation of oil-water emulsions. <i>Journal of Membrane Science</i> , 2021, 621, 118954.	8.2	68
7	Fabrication of graphene oxide composite membranes and their application for pervaporation dehydration of butanol. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 1102-1109.	3.5	66
8	Co-sintering synthesis of bi-layer titania ultrafiltration membranes with intermediate layer of sol-coated nanofibers. <i>Journal of Membrane Science</i> , 2010, 365, 225-231.	8.2	57
9	Modified colloidal sol-gel process for fabrication of titania nanofiltration membranes with organic additives. <i>Journal of Membrane Science</i> , 2015, 476, 432-441.	8.2	55
10	Preparation of zirconia nanofiltration membranes through an aqueous sol-gel process modified by glycerol for the treatment of wastewater with high salinity. <i>Journal of Membrane Science</i> , 2016, 504, 29-39.	8.2	55
11	State-of-the-art developments in fabricating ceramic membranes with low energy consumption. <i>Ceramics International</i> , 2021, 47, 14966-14987.	4.8	54
12	Modified alumina nanofiber membranes for protein separation. <i>Separation and Purification Technology</i> , 2013, 120, 239-244.	7.9	49
13	An aqueous sol-gel process for the fabrication of high-flux YSZ nanofiltration membranes as applied to the nanofiltration of dye wastewater. <i>Separation and Purification Technology</i> , 2015, 152, 37-45.	7.9	49
14	Preparation of high-performance Al ₂ O ₃ /PES composite hollow fiber UF membranes via facile in-situ vapor induced hydrolyzation. <i>Journal of Membrane Science</i> , 2017, 539, 65-75.	8.2	49
15	Flux-enhanced γ -alumina tight ultrafiltration membranes for effective treatment of dye/salt wastewater at high temperatures. <i>Separation and Purification Technology</i> , 2019, 215, 143-154.	7.9	46
16	A novel thermal spraying technique to fabricate fly ash/alumina composite membranes for oily emulsion and spent tin wastewater treatment. <i>Separation and Purification Technology</i> , 2019, 219, 127-136.	7.9	43
17	Design and fabrication of whisker hybrid ceramic membranes with narrow pore size distribution and high permeability via co-sintering process. <i>Ceramics International</i> , 2018, 44, 21159-21169.	4.8	41
18	Pore evolution model of ceramic membrane during constrained sintering. <i>Journal of Materials Science</i> , 2009, 44, 689-699.	3.7	36

#	ARTICLE	IF	CITATIONS
19	Facile Mixing Process To Fabricate Fly-Ash-Enhanced Alumina-Based Membrane Supports for Industrial Microfiltration Applications. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8712-8723.	3.7	33
20	Preparation of supported zirconia ultrafiltration membranes with the aid of polymeric additives. <i>Journal of Membrane Science</i> , 2010, 348, 252-259.	8.2	31
21	Enhanced performance arising from low-temperature preparation of γ -alumina membranes via titania doping assisted sol-gel method. <i>Journal of Membrane Science</i> , 2018, 559, 19-27.	8.2	27
22	Optimization of UV-curable alumina suspension for digital light processing of ceramic membranes. <i>Journal of Membrane Science</i> , 2022, 643, 120066.	8.2	22
23	Ultrasound Assisted Synthesis of Size-Controlled Aqueous Colloids for the Fabrication of Nanoporous Zirconia Membrane. <i>Frontiers in Chemistry</i> , 2019, 7, 337.	3.6	21
24	Facile pore size tuning and characterization of nanoporous ceramic membranes for the purification of polysaccharide. <i>Journal of Membrane Science</i> , 2020, 597, 117631.	8.2	18
25	Effective and efficient fabrication of high-flux tight ZrO ₂ ultrafiltration membranes using a nanocrystalline precursor. <i>Journal of Membrane Science</i> , 2021, 634, 119378.	8.2	18
26	Modified hydrothermal treatment route for high-yield preparation of nanosized ZrO ₂ . <i>Ceramics International</i> , 2020, 46, 19807-19814.	4.8	17
27	A new method for preparing γ -alumina ultrafiltration membrane at low sintering temperature. <i>Journal of Membrane Science</i> , 2022, 642, 119992.	8.2	13
28	Modified wet chemical method synthesis of nano-ZrO ₂ and its application in preparing membranes. <i>Ceramics International</i> , 2021, 47, 13432-13439.	4.8	11
29	Construction of high-performance CeO ₂ ultrafiltration membrane for high-temperature dye/salt separation. <i>Journal of Membrane Science</i> , 2021, 637, 119608.	8.2	9