

Hideyuki Negishi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

1,480
citations

22
h-index

35
g-index

79
ext. papers

1,605
ext. citations

4.3
avg, IF

4.25
L-index

#	Paper	IF	Citations
76	Control of ZIF-7-III aspect ratio using water-in-oil microemulsion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 603, 125157	5.1	3
75	Development of ZIF-8 Membranes for Propylene/Propane Separation by Direct Growth on a ZnO-Modified Support without Activation. <i>Journal of Chemical Engineering of Japan</i> , 2020 , 53, 616-625	0.8	1
74	Fabrication of pure-silica *BEA-type zeolite membranes on tubular silica supports coated with dilute synthesis gel via steam-assisted conversion. <i>Separation and Purification Technology</i> , 2020 , 247, 116934	8.3	2
73	Preparation and characterization of mesoporous silica/polyvinyl butyral hybrid coatings by electrophoretic deposition. <i>Microporous and Mesoporous Materials</i> , 2020 , 292, 109710	5.3	2
72	Preparation of novel hydrophilic microporous material PML-1 membrane by topotactic transformation of layered silicate SSA-1 and applicability to the dehydration of aqueous acetic acid. <i>Microporous and Mesoporous Materials</i> , 2019 , 285, 241-246	5.3	4
71	Effects of Silica-Particle Coating on a Silica Support for the Fabrication of High-Performance Silicalite-1 Membranes by Gel-Free Steam-Assisted Conversion. <i>Membranes</i> , 2019 , 9,	3.8	10
70	Effects of seed crystal type on the growth and microstructures of silicalite-1 membranes on tubular silica supports via gel-free steam-assisted conversion. <i>Microporous and Mesoporous Materials</i> , 2019 , 289, 109645	5.3	13
69	Hydrophobic *BEA-Type Zeolite Membranes on Tubular Silica Supports for Alcohol/Water Separation by Pervaporation. <i>Membranes</i> , 2019 , 9,	3.8	6
68	Energy-saving Performance of Membrane Separation and Hybrid Membrane Separation/Distillation for Propylene/Propane Binary Systems. <i>Journal of the Japan Petroleum Institute</i> , 2019 , 62, 80-86	1	3
67	Effect of Si/Al ratio and amount of deposited MFI-type seed crystals on the separation performance of silicalite-1 membranes for ethanol/water mixtures in the presence of succinic acid. <i>Microporous and Mesoporous Materials</i> , 2018 , 267, 1-8	5.3	13
66	Fabrication of high-performance silicalite-1 membrane by a novel seeding method using zeolite-dispersed polymer film. <i>Microporous and Mesoporous Materials</i> , 2018 , 261, 58-62	5.3	17
65	Heat-Integrated Hybrid Membrane Separation/Distillation Process for Energy-Efficient Isopropyl Alcohol Dehydration. <i>Journal of Chemical Engineering of Japan</i> , 2018 , 51, 890-897	0.8	3
64	High-performance silicalite-1 membranes on porous tubular silica supports for separation of ethanol/water mixtures. <i>Separation and Purification Technology</i> , 2017 , 187, 343-354	8.3	31
63	A simple secondary growth method for the preparation of silicalite-1 membrane on a tubular silica support via gel-free steam-assisted conversion. <i>Journal of Membrane Science</i> , 2017 , 542, 150-158	9.6	19
62	Effect of deposition seed crystal amount on the γ -Al ₂ O ₃ support and separation performance of silicalite-1 membranes for acetic acid/water mixtures. <i>Separation and Purification Technology</i> , 2017 , 174, 57-65	8.3	21
61	Efficient butanol recovery from acetone-butanol-ethanol fermentation cultures grown on sweet sorghum juice by pervaporation using silicalite-1 membrane. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 697-700	3.3	13
60	Uniform and ultra low-power electrophoretic deposition of silica powder using a nonflammable organic solvent. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 285-290	6	5

59	Effect of Solution Concentration on Structure and Permeation Properties of ZIF-8 Membranes for Propylene/Propane Separation. <i>Journal of Chemical Engineering of Japan</i> , 2016 , 49, 97-103	0.8	9
58	Ultra-Low-Power Electrophoretic Deposition of Silica Powder with Nonflammable Organic Solvent. <i>Key Engineering Materials</i> , 2015 , 654, 88-93	0.4	
57	Effect of Temperature on Synthesis of ZIF-8 Membranes for Propylene/propane Separation by Counter Diffusion Method. <i>Journal of the Japan Petroleum Institute</i> , 2015 , 58, 237-244	1	14
56	Preparation of ZSM-5 Zeolite Membranes by Combined Hydrothermal Synthesis and Electrophoretic Deposition. <i>Key Engineering Materials</i> , 2015 , 654, 47-52	0.4	3
55	ZIF-8 membranes prepared at miscible and immiscible liquid-liquid interfaces. <i>Microporous and Mesoporous Materials</i> , 2015 , 206, 75-80	5.3	23
54	Quantitative contribution of non-ideal permeability under diffusion-controlled hydrogen permeation through Pd-membranes. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 4676-4682	6.7	14
53	Pervaporative concentration of biobutanol from ABE fermentation broths by <i>Clostridium saccharoperbutylacetonicum</i> using silicone rubber-coated silicalite-1 membranes. <i>Separation and Purification Technology</i> , 2014 , 132, 206-212	8.3	12
52	Ultra-low-electric power electrophoretic deposition by using non-flammable hydrofluoroether. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 67-71	1	3
51	Power efficiency of electrophoretic deposition of silica using nonflammable ethyl perfluorobutyl ether. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 876-880	1	1
50	Surface silylation of silicalite membranes and their pervaporation performance for the separation of ethanol from ethanol-water mixtures. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 357-360	1	1
49	Thickness Reduction of the Zeolitic Imidazolate Framework-8 Membrane by Controlling the Reaction Rate during the Membrane Preparation. <i>Journal of Chemical Engineering of Japan</i> , 2014 , 47, 770-776	0.8	14
48	Diffusive separation of propylene/propane with ZIF-8 membranes. <i>Journal of Membrane Science</i> , 2014 , 450, 215-223	9.6	132
47	Preparation of thick mesoporous silica coating by electrophoretic deposition with binder addition and its water vapor adsorption-desorption properties. <i>Microporous and Mesoporous Materials</i> , 2013 , 180, 250-256	5.3	9
46	Metal-organic framework membranes with layered structure prepared within the porous support. <i>RSC Advances</i> , 2013 , 3, 14233	3.7	24
45	Membrane-assisted extractive butanol fermentation by <i>Clostridium saccharoperbutylacetonicum</i> N1-4 with 1-dodecanol as the extractant. <i>Bioresource Technology</i> , 2012 , 116, 448-52	11	36
44	Pervaporation of aqueous dilute 1-butanol, 2-propanol, ethanol and acetone using a tubular silicalite membrane. <i>Desalination and Water Treatment</i> , 2011 , 34, 290-294		13
43	Electrophoretic deposition of mesoporous silica powder synthesized by spray-drying method. <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 168-172	1	6
42	Selective separation of n-butanol from aqueous solutions by pervaporation using silicone rubber-coated silicalite membranes. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 845-851	3.5	28

41	Preparation of nanoporous inorganic membrane on supports with graded structure. <i>Desalination and Water Treatment</i> , 2010 , 17, 99-105		5
40	Silicalite Pervaporation Membrane Exhibiting a Separation Factor of over 400 for Butanol. <i>Chemistry Letters</i> , 2010 , 39, 1312-1314	1.7	23
39	Influence of Water on the Preparation of Thick Mesoporous Silica Coatings by the Electrophoretic Deposition Method. <i>Key Engineering Materials</i> , 2009 , 412, 171-176	0.4	7
38	Processing of ethanol fermentation broths by <i>Candida krusei</i> to separate bioethanol by pervaporation using silicone rubber-coated silicalite membranes. <i>Journal of Chemical Technology and Biotechnology</i> , 2009 , 84, 1172-1177	3.5	11
37	Electrophoretic Deposition Mechanism of Mesoporous Silica Powder in Acetone. <i>Key Engineering Materials</i> , 2009 , 412, 131-136	0.4	5
36	Fabrication of Mesoporous Silica Coating by Electrophoretic Deposition. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 7236-7241	3.9	16
35	<i>Candida krusei</i> produces ethanol without production of succinic acid; a potential advantage for ethanol recovery by pervaporation membrane separation. <i>FEMS Yeast Research</i> , 2008 , 8, 706-14	3.1	24
34	Stabilized production of highly concentrated bioethanol from fermentation broths by <i>Zymomonas mobilis</i> by pervaporation using silicone rubber-coated silicalite membranes. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 82, 745-751	3.5	18
33	Naturally engineered glycolipid biosurfactants leading to distinctive self-assembled structures. <i>Chemistry - A European Journal</i> , 2006 , 12, 2434-40	4.8	94
32	Preparation of Mesoporous Silicate Thick Films by Electrophoretic Deposition and Their Adsorption Properties of Water Vapor. <i>Key Engineering Materials</i> , 2006 , 314, 147-152	0.4	8
31	Preparation of Thin and Dense Lanthanum Cobaltite Coating on Porous Tubular Alumina Supports by Electrophoretic Deposition. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 36-41		13
30	Preparation of Tubular Silicalite Membranes by Hydrothermal Synthesis with Electrophoretic Deposition as a Seeding Technique. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 124-130	3.8	34
29	Enzymatic synthesis of sugar esters in organic solvent coupled with pervaporation. <i>Desalination</i> , 2006 , 193, 260-266	10.3	27
28	Preparation of tubular mixed conducting oxide membrane by electrophoretic deposition technique. <i>Desalination</i> , 2006 , 200, 71-73	10.3	4
27	Stabilization of bioethanol recovery with silicone rubber-coated ethanol-permselective silicalite membranes by controlling the pH of acidic feed solution. <i>Journal of Chemical Technology and Biotechnology</i> , 2005 , 80, 381-387	3.5	18
26	Electrophoretic Deposition Mechanism of YSZ/n-Propanol Suspension. <i>Journal of the Electrochemical Society</i> , 2005 , 152, J16	3.9	24
25	Electrophoretic deposition of YSZ powders for solid oxide fuel cells. <i>Journal of Materials Science</i> , 2004 , 39, 833-838	4.3	48
24	Reliable production of highly concentrated bioethanol by a conjunction of pervaporation using a silicone rubber sheet-covered silicalite membrane with adsorption process. <i>Journal of Chemical Technology and Biotechnology</i> , 2004 , 79, 896-901	3.5	18

23	Preparation of polyimide composite membranes grafted by electron beam irradiation. <i>Journal of Membrane Science</i> , 2004 , 232, 93-98	9.6	27
22	Drastic Improvements in Trapping Efficiency and Dispersibility for Phosphatidylcholine Liposomes in the Presence of Divalent Metal Ions. <i>Journal of Oleo Science</i> , 2003 , 52, 673-679	1.6	7
21	Drastic improvement of bioethanol recovery using a pervaporation separation technique employing a silicone rubber-coated silicalite membrane. <i>Journal of Chemical Technology and Biotechnology</i> , 2003 , 78, 1006-1010	3.5	54
20	Preparation of photo-induced graft filling polymerized membranes for pervaporation using polyimide with benzophenone structure. <i>Journal of Membrane Science</i> , 2002 , 203, 191-199	9.6	16
19	Improvement of ethanol selectivity of silicalite membrane in pervaporation by silicone rubber coating. <i>Journal of Membrane Science</i> , 2002 , 210, 433-437	9.6	85
18	Preparation of the silicalite membranes using a seeding technique under various hydrothermal conditions. <i>Desalination</i> , 2002 , 144, 47-52	10.3	12
17	Preparation of polyacrylonitrile ultrafiltration membranes for wastewater treatment. <i>Desalination</i> , 2002 , 144, 53-59	10.3	54
16	Concentration of fermented ethanol by pervaporation using silicalite membranes coated with silicone rubber. <i>Desalination</i> , 2002 , 149, 49-54	10.3	60
15	Miscibility gap in CeO ₂ ZrO ₂ Y ₂ O ₃ system as an electrode of solid oxide fuel cell. <i>Solid State Ionics</i> , 2001 , 143, 151-160	3.3	19
14	Electronic Conductivity of ZrO ₂ -CeO ₂ -Y ₂ O ₃ Solid Solutions. <i>Journal of the Electrochemical Society</i> , 2001 , 148, E489	3.9	41
13	Charging Mechanism of Tl-2223 Superconducting Oxide Particles in Electrophoretic Deposition Bath.. <i>Journal of the Ceramic Society of Japan</i> , 2001 , 109, 294-298		5
12	Chromium diffusion in lanthanum chromites. <i>Solid State Ionics</i> , 2000 , 135, 469-474	3.3	39
11	Vaporization process of Ga from doped LaGaO ₃ electrolytes in reducing atmospheres. <i>Solid State Ionics</i> , 2000 , 135, 389-396	3.3	36
10	Oxygen transport at the interface of La _{0.92} MnO ₃ film/Y _{0.15} Zr _{0.85} O _{1.925} single crystal. <i>Solid State Ionics</i> , 2000 , 136-137, 897-904	3.3	15
9	Interaction between Water/Hydrogen and Oxide Ceramics. <i>Electrochemistry</i> , 2000 , 68, 499-503	1.2	18
8	Application of Electrophoretic Deposition Technique to Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 1682	3.9	56
7	Oxygen Chemical Diffusion at LaMnO ₃ Film/YSZ under Cathodic Polarization by Secondary Ion Mass Spectrometry. <i>Electrochemistry</i> , 2000 , 68, 433-438	1.2	3
6	Fabrication of Small Tubular SOFCs by Electrophoretic Deposition Technique. <i>ECS Proceedings Volumes</i> , 1999 , 1999-19, 885-892		

5	Zeta Potential of Various Oxide Particles and the Charging Mechanism.. <i>Journal of the Ceramic Society of Japan</i> , 1999 , 107, 119-122		10
4	Preparation and Characterization of Tl-2223 Superconductor Coating Using the Electrophoretic Deposition Method. <i>Journal of the Ceramic Society of Japan</i> , 1997 , 105, 241-245		
3	Electrophoretic Deposition and the Deposition Mechanism of Tl-2223 Superconducting Powder. <i>Journal of the Ceramic Society of Japan</i> , 1997 , 105, 351-355		7
2	Preparation of TB(S)CCO Superconductor Coating by Electrophoretic Deposition Method. <i>Japanese Journal of Applied Physics</i> , 1996 , 35, 4302-4306	1.4	8
1	Electrophoretic Deposition of Oxide Powder by Using Non-Flammable Organic Solvent. <i>Ceramic Engineering and Science Proceedings</i> , 177-185	0.1	2