Kazuki Yamamoto

List of Publications by Year
in descending order

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58	642	567281 15	713466 21
papers	citations	h-index	g-index

58	58	58	446
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gas permeation properties for organosilica membranes with different Si/C ratios and evaluation of microporous structures. AIChE Journal, 2017, 63, 4491-4498.	3.6	65
2	Pervaporation removal of methanol from methanol/organic azeotropes using organosilica membranes: Experimental and modeling. Journal of Membrane Science, 2020, 610, 118284.	8.2	43
3	Tailoring the microstructure and permeation properties of bridged organosilica membranes via control of the bond angles. Journal of Membrane Science, 2019, 584, 56-65.	8.2	35
4	Aggregation-induced emission (AIE) characteristic of water-soluble tetraphenylethene (TPE) bearing four sulfonate salts. New Journal of Chemistry, 2017, 41, 4747-4749.	2.8	28
5	Preparation of Bridged Polysilsesquioxane Membranes from Bis[3-(triethoxysilyl)propyl]amine for Water Desalination. Bulletin of the Chemical Society of Japan, 2017, 90, 1035-1040.	3.2	23
6	Synthesis of dithienogermole-containing oligo- and polysilsesquioxanes as luminescent materials. Dalton Transactions, 2015, 44, 8214-8220.	3.3	22
7	Preparation and properties of organicâ€“inorganic hybrid materials using titanium phosphonate cluster. Polymer Journal, 2017, 49, 665-669.	2.7	21
8	Preparation of bridged silica RO membranes from copolymerization of bis(triethoxysilyl)ethene/(hydroxymethyl)triethoxysilane. Effects of ethenylene-bridge enhancing water permeability. Journal of Membrane Science, 2018, 546, 173-178.	8.2	21
9	Bridged polysilsesquioxane membranes for water desalination. Polymer Journal, 2019, 51, 1103-1116.	2.7	21
10	Preparation of hydroxyl group containing bridged organosilica membranes for water desalination. Separation and Purification Technology, 2015, 156, 396-402.	7.9	20
11	Preparation of POSS-derived robust RO membranes for water desalination. Desalination, 2017, 404, 322-327.	8.2	20
12	Efficient synthesis of SiOC glasses from ethane, ethylene, and acetylene-bridged polysilsesquioxanes. Journal of Non-Crystalline Solids, 2015, 408, 137-141.	3.1	18
13	Zincâ€“diethanolamine complex: synthesis, characterization, and formation mechanism of zinc oxide via thermal decomposition. Journal of Sol-Gel Science and Technology, 2018, 87, 743-748.	2.4	18
14	Polymerization behavior and gel properties of ethane, ethylene and acetylene-bridged polysilsesquioxanes. Journal of Sol-Gel Science and Technology, 2014, 71, 24-30.	2.4	16
15	Preparation and separation properties of oxalylureaâ€bridged silica membranes. Applied Organometallic Chemistry, 2015, 29, 433-438.	3.5	16
16	Pore subnano-environment engineering of organosilica membranes for highly selective propylene/propane separation. Journal of Membrane Science, 2020, 603, 117999.	8.2	15
17	Synthesis of organically bridged trialkoxysilanes bearing acetoxymethyl groups and applications to reverse osmosis membranes. Applied Organometallic Chemistry, 2017, 31, e3580.	3.5	14
18	Fineâ€tuned, molecularâ€composite, organosilica membranes for highly efficient propylene/propane separation via suitable pore size. AIChE Journal, 2020, 66, e16850.	3.6	14

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19	Preparation of bridged polysilsesquioxane-based membranes containing 1,2,3-triazole moieties for water desalination. Polymer Journal, 2017, 49, 401-406.	2.7	13
20	Synthesis, characterization and properties of titanium phosphonate clusters. Polyhedron, 2018, 147, 1-8.	2.2	13
21	Diethylenedioxane-bridged microporous organosilica membrane for gas and water separation. Separation and Purification Technology, 2018, 207, 370-376.	7.9	13
22	Preparation and separation properties of porous norbornane-bridged silica membrane. Journal of Sol-Gel Science and Technology, 2015, 73, 365-370.	2.4	12
23	Preparation and water desalination properties of bridged polysilsesquioxane membranes with divinylbenzene and divinylpyridine units. Polymer Journal, 2020, 52, 1367-1374.	2.7	10
24	Studies on Spherically Distributed LUMO and Electron-Accepting Properties of Caged Hexakis(germasesquioxanes). Organometallics, 2017, 36, 2536-2540.	2.3	9
25	Soluble ethane-bridged silsesquioxane polymer by hydrolysisâ€“condensation of bis(trimethoxysilyl)ethane: characterization and mixing in organic polymers. Journal of Polymer Research, 2020, 27, 1.	2.4	9
26	Preparation and characterization of stable DQ silicone polymer sols. Journal of Sol-Gel Science and Technology, 2018, 88, 660-670.	2.4	8
27	Preparation of Hybrid Organosilica Reverse Osmosis Membranes by Interfacial Polymerization of Bis[(trialkoxysilyl)propyl]amine. Chemistry Letters, 2018, 47, 1210-1212.	1.3	8
28	Properties and surface morphologies of organicâ€“inorganic hybrid thin films containing titanium phosphonate clusters. Polymer Journal, 2018, 50, 1169-1177.	2.7	8
29	Syntheses and properties of linear Ï€-conjugated molecules composed of 1-azaazulene and azulene. Tetrahedron, 2019, 75, 130658.	1.9	8
30	Characterization of a flexible self-cleaning film with photoinduced hydrophilicity comprising phosphonic-acid-modified polysilsesquioxane-anchored titanium dioxide. Thin Solid Films, 2020, 714, 138395.	1.8	8
31	Preparation and properties of methyl- and cyclohexylsilsesquioxane oligomers as organicâ€“inorganic fillers. Journal of Sol-Gel Science and Technology, 2020, 95, 474-481.	2.4	8
32	Pore size tuning of bis(triethoxysilyl)propane (BTESP)-derived membrane for gas separation: Effects of the acid molar ratio in the sol and of the calcination temperature. Separation and Purification Technology, 2020, 242, 116742.	7.9	8
33	Development of PSQ-RO membranes with high water permeability by copolymerization of bis[3-(triethoxysilyl)propyl]amine and triethoxy(3-glycidyloxypropyl)silane. Journal of Membrane Science, 2022, 644, 120162.	8.2	8
34	ZnO formation through decomposition of zinc bis(ethyl acetoacetate) by steaming treatment. Journal of Sol-Gel Science and Technology, 2019, 91, 255-260.	2.4	6
35	2-Triethoxysilylazulene derivatives: Syntheses and optical properties, and hydrolysisâ€”condensation of 2-triethoxysilylazulene. Journal of Sol-Gel Science and Technology, 2019, 91, 399-406.	2.4	5
36	Benzenedithiolate-bridged MoFe complexes: structures, oxidation states, and reactivities. Dalton Transactions, 2020, 49, 9048-9056.	3.3	5

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37	Preparation of polysilsesquioxane reverse osmosis membranes for water desalination from tris[(ethoxysilyl)alkyl]amines by solâ€“gel process and interfacial polymerization. Applied Organometallic Chemistry, 2021, 35, e6374.	3.5	5
38	Organicâ€“inorganic hybrids based on poly(bisphenol A-co-epichlorohydrin) containing titanium phosphonate clusters. Polymer Journal, 2019, 51, 1265-1271.	2.7	4
39	Synthesis of indium tin oxide films from ethyl acetoacetonato complexes at low temperatures. Journal of Sol-Gel Science and Technology, 2021, 100, 68-73.	2.4	4
40	Bridged organosilica membranes incorporating carboxyl-functionalized cage silsesquioxanes for water desalination. Journal of Sol-Gel Science and Technology, 2022, 101, 315-322.	2.4	4
41	Development of Highly Water-Permeable Robust PSQ-Based RO Membranes by Introducing Hydroxyethylurea-Based Hydrophilic Water Channels. ACS Applied Materials & Interfaces, 2022, 14, 21426-21435.	8.0	4
42	Preparation and film properties of polysiloxanes consisting of di- and quadra-functional hybrid units. Journal of Sol-Gel Science and Technology, 2022, 104, 724-734.	2.4	4
43	Development of robust and high-performance polysilsesquioxane reverse osmosis membranes modified by SiO2 nanoparticles for water desalination. Separation and Purification Technology, 2022, 296, 121421.	7.9	4
44	Synthesis and Properties of Polysilsesquioxanes Having Ethoxysulfonyl Group as a Side Chain. International Journal of Polymer Science, 2012, 2012, 1-5.	2.7	3
45	Preparation of polydimethylsiloxane with amino end group via Pd-catalyzed dehydrogenative coupling of terminal hydrosilyl unit and amine. Journal of Organometallic Chemistry, 2018, 860, 9-13.	1.8	3
46	Synthesis and reactivity of hydride-bridged ruthenium dithiolene complexes. Polyhedron, 2018, 139, 196-200.	2.2	3
47	Behavior of zinc- and aluminum Î²-ketoesterate complexes during steaming treatment. Journal of Sol-Gel Science and Technology, 2021, 99, 263-272.	2.4	3
48	Effect of fluorine doping on the network pore structure of non-porous organosilica bis(triethoxysilyl)propane (BTESP) membranes for use in molecular separation. Journal of Membrane Science, 2022, 644, 120083.	8.2	3
49	Structural and Electrochemical Properties of a Rutheniumâ€“Diiron Dithiolene Complex. European Journal of Inorganic Chemistry, 2017, 2017, 3823-3828.	2.0	2
50	Preparation of Ruthenium Dithiolene Complex/Polysiloxane Films and Their Responses to CO Gas. Molecules, 2018, 23, 845.	3.8	2
51	Syntheses and properties of Cu(II), Al(III), and Ti(IV) coordination polymers using an acetylacetonato-terminated polyhedral oligomeric silsesquioxane. Polymer Journal, 2022, 54, 985-993.	2.7	2
52	Solâ€“gel reaction of titanium phosphonate alkoxide cluster. Applied Organometallic Chemistry, 0, , .	3.5	1
53	Low-temperature synthesis of AMoO4 (Aâ€‰=â€‰Ba, Ca, Co, Ni) by steam treatment of acetylacetonate and ethyl acetoacetate complexes. Journal of Sol-Gel Science and Technology, 2022, 103, 576-583.	2.4	1
54	Development of reverse osmosis membranes by incorporating polyhedral oligomeric silsesquioxanes (POSSs). Polymer Journal, 0, , .	2.7	1

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55	In situ preparation of platinum nanoparticles in mesoporous silica using linear polyethyleneimine as a protective agent. Journal of the Ceramic Society of Japan, 2019, 127, 531-537.	1.1	0
56	Preparation, characterization, and desulfurization ability of bulk porous silica-supported ZnO. Journal of Sol-Gel Science and Technology, 2020, 95, 482-491.	2.4	0
57	Easy and environmentally friendly synthesis method for T8H (HSiO3/2)8. Phosphorus, Sulfur and Silicon and the Related Elements, 2021, 196, 316-320.	1.6	0
58	Preparation of Polysilsesquioxanes via Hydrolysis-Condensation Using Formic Acid and their Application to Organic-Inorganic Hybrid Coating Films. Journal of the Japan Society of Colour Material, 2019, 92, 262-267.	0.1	0