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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	Fineâ€tuned, molecularâ€composite, organosilica membranes for highly efficient propylene/propane separation via suitable pore size. AICHE Journal, 2020, 66, e16850.	3.6	14
14	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
15	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
16	Preparation and water desalination properties of bridged polysilsesquioxane membranes with divinylbenzene and divinylpyridine units. Polymer Journal, 2020, 52, 1367-1374.	2.7	10
17	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
18	Pervaporation removal of methanol from methanol/organic azeotropes using organosilica membranes: Experimental and modeling. Journal of Membrane Science, 2020, 610, 118284.	8.2	43

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19	Benzenedithiolate-bridged MoFe complexes: structures, oxidation states, and reactivities. Dalton Transactions, 2020, 49, 9048-9056.	3.3	5
20	Pore subnano-environment engineering of organosilica membranes for highly selective propylene/propane separation. Journal of Membrane Science, 2020, 603, 117999.	8.2	15
21	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
22	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
23	Organicâ€“inorganic hybrids based on poly(bisphenol A-co-epichlorohydrin) containing titanium phosphonate clusters. Polymer Journal, 2019, 51, 1265-1271.	2.7	4
24	Bridged polysilsesquioxane membranes for water desalination. Polymer Journal, 2019, 51, 1103-1116.	2.7	21
25	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
26	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
27	Syntheses and properties of linear Ï€-conjugated molecules composed of 1-azaazulene and azulene. Tetrahedron, 2019, 75, 130658.	1.9	8
28	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
29	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
30	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
31	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
32	Synthesis and reactivity of hydride-bridged ruthenium dithiolene complexes. Polyhedron, 2018, 139, 196-200.	2.2	3
33	Synthesis, characterization and properties of titanium phosphonate clusters. Polyhedron, 2018, 147, 1-8.	2.2	13
34	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
35	Preparation and characterization of stable DQ silicone polymer sols. Journal of Sol-Gel Science and Technology, 2018, 88, 660-670.	2.4	8
36	Preparation of Hybrid Organosilica Reverse Osmosis Membranes by Interfacial Polymerization of Bis[(trialkoxysilyl)propyl]amine. Chemistry Letters, 2018, 47, 1210-1212.	1.3	8

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37	Diethylenedioxane-bridged microporous organosilica membrane for gas and water separation. Separation and Purification Technology, 2018, 207, 370-376.	7.9	13
38	Properties and surface morphologies of organicâ€“inorganic hybrid thin films containing titanium phosphonate clusters. Polymer Journal, 2018, 50, 1169-1177.	2.7	8
39	Preparation of Ruthenium Dithiolene Complex/Polysiloxane Films and Their Responses to CO Gas. Molecules, 2018, 23, 845.	3.8	2
40	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
41	Preparation of bridged polysilsesquioxane-based membranes containing 1,2,3-triazole moieties for water desalination. Polymer Journal, 2017, 49, 401-406.	2.7	13
42	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
43	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
44	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
45	Studies on Spherically Distributed LUMO and Electron-Accepting Properties of Caged Hexakis(germasesquioxanes). Organometallics, 2017, 36, 2536-2540.	2.3	9
46	Preparation of POSS-derived robust RO membranes for water desalination. Desalination, 2017, 404, 322-327.	8.2	20
47	Structural and Electrochemical Properties of a Rutheniumâ€“Diiron Dithiolene Complex. European Journal of Inorganic Chemistry, 2017, 2017, 3823-3828.	2.0	2
48	Preparation and properties of organicâ€“inorganic hybrid materials using titanium phosphonate cluster. Polymer Journal, 2017, 49, 665-669.	2.7	21
49	Synthesis of organically bridged trialkoxysilanes bearing acetoxymethyl groups and applications to reverse osmosis membranes. Applied Organometallic Chemistry, 2017, 31, e3580.	3.5	14
50	Synthesis of dithienogermole-containing oligo- and polysilsesquioxanes as luminescent materials. Dalton Transactions, 2015, 44, 8214-8220.	3.3	22
51	Preparation and separation properties of porous norbornane-bridged silica membrane. Journal of Sol-Gel Science and Technology, 2015, 73, 365-370.	2.4	12
52	Efficient synthesis of SiOC glasses from ethane, ethylene, and acetylene-bridged polysilsesquioxanes. Journal of Non-Crystalline Solids, 2015, 408, 137-141.	3.1	18
53	Preparation and separation properties of oxalylureaâ€bridged silica membranes. Applied Organometallic Chemistry, 2015, 29, 433-438.	3.5	16
54	Preparation of hydroxyl group containing bridged organosilica membranes for water desalination. Separation and Purification Technology, 2015, 156, 396-402.	7.9	20

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55	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
56	Synthesis and Properties of Polysilsesquioxanes Having Ethoxysulfonyl Group as a Side Chain. International Journal of Polymer Science, 2012, 2012, 1-5.	2.7	3
57	Solâ€“gel reaction of titanium phosphonate alkoxide cluster. Applied Organometallic Chemistry, 0, , .	3.5	1
58	Development of reverse osmosis membranes by incorporating polyhedral oligomeric silsesquioxanes (POSSs). Polymer Journal, 0, , .	2.7	1