

Mohammad Ali Semsarzadeh

List of Publications by Year in descending order

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50
papers

1,210
citations

471509

17
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

1208
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of the gas separation properties of polybenzimidazole (PBI) membrane by incorporation of silica nano particles. <i>Journal of Membrane Science</i> , 2009, 331, 21-30.	8.2	208
2	Gas separation properties of polyether-based polyurethane-silica nanocomposite membranes. <i>Journal of Membrane Science</i> , 2011, 376, 188-195.	8.2	131
3	Effect of montmorillonite on gelation and swelling behavior of sulfonated polyacrylamide nanocomposite hydrogels in electrolyte solutions. <i>European Polymer Journal</i> , 2008, 44, 2024-2031.	5.4	100
4	Study on the morphology and gas permeation property of polyurethane membranes. <i>Journal of Membrane Science</i> , 2011, 385-386, 76-85.	8.2	86
5	The effect of urethane and urea content on the gas permeation properties of poly(urethane-urea) membranes. <i>Journal of Membrane Science</i> , 2010, 354, 40-47.	8.2	79
6	Characterization and gas permeability of polyurethane and polyvinyl acetate blend membranes with polyethylene oxide-polypropylene oxide block copolymer. <i>Journal of Membrane Science</i> , 2012, 401-402, 97-108.	8.2	66
7	Functionalized graphene oxide/polyimide nanocomposites as highly CO ₂ -selective membranes. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	55
8	Preparation, characterization and gas permeation properties of polyurethane-silica/polyvinyl alcohol mixed matrix membranes. <i>Journal of Membrane Science</i> , 2013, 432, 115-125.	8.2	45
9	Atom transfer radical polymerization of (meth)acrylates and their novel block copolymers with vinyl acetate. <i>European Polymer Journal</i> , 2003, 39, 2193-2201.	5.4	31
10	Kinetic study of atom transfer radical homo- and copolymerization of styrene and methyl methacrylate initiated with trichloromethyl-terminated poly(vinyl acetate) macroinitiator. <i>Polymer</i> , 2008, 49, 3060-3069.	3.8	29
11	Preparation and Characterization of Inclusion Complexes of Poly(dimethylsiloxane)s with β -Cyclodextrin Without Utilizing Sonic Energy. <i>Silicon</i> , 2012, 4, 151-156.	3.3	27
12	Atom transfer radical polymerization of styrene and methyl (meth)acrylates initiated with poly(dimethylsiloxane) macroinitiator: Synthesis and characterization of triblock copolymers. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2423-2430.	2.6	26
13	Preparation and properties of polyrotaxane from β -cyclodextrin and poly(ethylene glycol) with poly(vinyl alcohol). <i>Bulletin of Materials Science</i> , 2013, 36, 989-996.	1.7	22
14	Structural and transport properties of polydimethylsiloxane based polyurethane/silica particles mixed matrix membranes for gas separation. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 841-848.	2.7	22
15	Gelation and Swelling Behavior of Semi-Interpenetrating Polymer Network Hydrogels Based on Polyacrylamide and Poly(vinyl alcohol). <i>Journal of Macromolecular Science - Physics</i> , 2008, 47, 1017-1027.	1.0	18
16	Controlled free radical polymerization of vinyl acetate with cobalt acetoacetate. <i>Journal of Chemical Sciences</i> , 2012, 124, 521-527.	1.5	18
17	Characterization and Gas Permeation Properties of Synthesized Polyurethane-Polydimethylsiloxane / Polyamide 12-b-Polytetramethylene Glycol Blend Membranes. <i>Silicon</i> , 2016, 8, 75-85.	3.3	18
18	Effect of nanoclay and macroinitiator on the kinetics of atom transfer radical homo- and copolymerization of styrene and methyl methacrylate initiated with CCl ₃ -terminated poly (vinyl)	4.9	17

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19	Atom transfer radical homo- and copolymerization of styrene and methyl acrylate initiated with trichloromethyl-terminated poly(vinyl acetate) macroinitiator: A kinetic study. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2509-2521.	2.6	16
20	Silicone Macroinitiator in Atom Transfer Radical Polymerization of Styrene and Vinyl Acetate: Synthesis and Characterization of Pentablock Copolymers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 432-438.	3.7	16
21	Highly effective organometallic-mediated radical polymerization of vinyl acetate using alumina-supported $\text{Co}(\text{acac})_2$ catalyst: A case study of adsorption and polymerization. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46057.	2.6	12
22	Kinetic Study of Atom Transfer Radical Copolymerization of Methyl Acrylate and Methyl Methacrylate Initiated with Poly(vinyl acetate) Macroinitiator. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 953-961.	2.2	11
23	Study of chain sequence in the controlled radical telomerization of vinyl acetate with $\text{Co}(\text{acac})_2$ catalyst in bulk. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	11
24	Gelation Rheology and Water Absorption Behavior of Semi-Interpenetrating Polymer Networks of Polyacrylamide and Carboxymethyl Cellulose. <i>Journal of Macromolecular Science - Physics</i> , 2013, 52, 604-613.	1.0	11
25	Synthesis and morphology of polyacrylate-poly(dimethyl siloxane) block copolymers for membrane application. <i>Macromolecular Research</i> , 2015, 23, 898-908.	2.4	11
26	Synthesis and Characterization of PVAc-b-PDMS-b-PVAc Triblock Copolymers by Atom Transfer Radical Polymerization Initiated by PDMS Macroinitiator. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 553-559.	3.7	10
27	Novel supramolecular block copolymer containing organic-inorganic pentablock copolymer by ATRP of styrene and vinyl acetate using polydimethylsiloxane/cyclodextrin inclusion complexes as macroinitiator. <i>Journal of Inclusion Phenomena and Macroscopic Chemistry</i> , 2013, 77, 489-499.	1.6	10
28	Kinetic study of the free radical polymerization of vinyl acetate in the presence of deuterated chloroform by ^1H -NMR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1784-1796.	2.6	9
29	Synthesis and characterization of PSt-b-PVAc diblock copolymers via combination of atom transfer radical polymerization and cobalt-mediated radical polymerization. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	9
30	Effects of compatibilization on rheological properties of PS/PB blends and investigation of Doi-Ohta scaling relationship in double start-up of shear experiments. <i>Rheologica Acta</i> , 2006, 45, 983-993.	2.4	8
31	Novel Preparation of Polyethylene from Nanoextrusion Polymerization Inside the Nanochannels of $\text{MCM}41/\text{MgCl}_2/\text{TiCl}_4$ Catalysts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 680-686.	2.2	8
32	Cobalt-mediated radical polymerization of vinyl acetate in an alumina column using suspended polyvinyl acetate. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	8
33	The effect of poly(alkyl (meth)acrylate) segments on the thermodynamic properties, morphology and gas permeation properties of poly(alkyl (meth)acrylate)-b-poly(dimethyl siloxane) triblock copolymer membranes. <i>Journal of Membrane Science</i> , 2020, 594, 117400.	8.2	8
34	Adsorption process of $\text{Co}(\text{acac})_2$ catalyst on the surface of mesoporous silica gel particles: an effective method to make a new supported catalyst for the controlled radical polymerization of vinyl acetate. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2293-2305.	2.2	8
35	Silicone Macroinitiator in the Atom Transfer Radical Polymerization of Styrene and Vinyl Acetate: Synthesis and Characterization of Novel Thermoreversible Block Copolymers. <i>ACS Symposium Series</i> , 2013, , 87-101.	0.5	6
36	$\text{Co}(\text{acac})_2$ mediated controlled radical copolymerization of vinyl acetate and methyl acrylate initiated by benzoyl peroxide. <i>Macromolecular Research</i> , 2015, 23, 139-144.	2.4	6

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37	Silica gel supported co(acac) ₂ catalyst in the controlled radical polymerization of vinyl acetate: an easy and practical method to make crystallized poly(vinyl acetate) in a one step process. Journal of Polymer Research, 2017, 24, 1.	2.4	6
38	Study of macroinitiator efficiency and microstructure's thermal properties in the atom transfer radical polymerization of methyl methacrylate. Journal of Polymer Research, 2008, 15, 403-411.	2.4	5
39	Synthesis and Characterization of Poly (phenylene oxide)-Based Block Copolymers via Cobalt Mediated Radical Polymerization (CMRP). Silicon, 2014, 6, 27-34.	3.3	5
40	Surface Energy and Thermal Stability Studies of Poly(dimethyl siloxane)-Poly(alkyl(meth)acrylate) Copolymers. Polymer-Plastics Technology and Engineering, 2017, 56, 1923-1936.	1.9	5
41	Synthesis and characterization of poly (ethyl methacrylate)-b-poly(dimethyl siloxane)-b-poly(ethyl Tj ETQq1 1 0.784314 rgBT /Overlock 2016, 23, 1.	2.4	4
42	Effect of monomer/nanoclay interaction on the kinetics of atom transfer radical homo- and copolymerization of styrene and methyl acrylate. Polymer Science - Series B, 2012, 54, 247-258.	0.8	3
43	Cobalt Mediated Radical Polymerization of 4-Bromo-2, 6-Dimethyl Phenol and Its Copolymerization with Poly (dimethyl siloxane) in the Presence of Co(acac) ₂ : DMF Catalyst. Silicon, 2019, 11, 2203-2210.	3.3	2
44	Novel high porosity mesoporous silica using new mixed two-block copolymers as a template. Asia-Pacific Journal of Chemical Engineering, 2013, 8, 786-792.	1.5	1
45	Silicon Containing Copolymers. Springer Briefs in Molecular Science, 2014, , .	0.1	1
46	Silicone Macroinitiator in the Atom Transfer Radical Polymerization of Methyl Methacrylate and Vinyl Acetate: Synthesis and Characterization of Pentablock Copolymers. ACS Symposium Series, 2013, , 103-110.	0.5	0
47	Sol-Gel Synthesized Nanostructured Silica Particles for Application in Gas Transport Properties of PU-PDMS Based Mixed-Matrix Membranes. Advanced Materials Research, 2013, 829, 862-866.	0.3	0
48	Cobalt Mediated Radical Polymerization of 4-Bromo-2,6-Dimethyl Phenol and Its Copolymerization with Poly(dimethyl siloxane) in the Presence of Co(acac) ₂ : DMF Catalyst. Springer Briefs in Molecular Science, 2014, , 25-37.	0.1	0
49	Synthesis and Characterization of PDMS Based Triblock and Pentablock Copolymers. Springer Briefs in Molecular Science, 2014, , 13-24.	0.1	0
50	High-performance family of polymeric particles prepared from poly(phenylene oxide)-poly(hexyl) Composites, 2022, 30, 096739112211046.	1.9	0