

Mohammad Ali Semsarzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

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	High-performance family of polymeric particles prepared from poly(phenylene oxide)-poly(hexyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Composites, 2022, 30, 096739112211046.	1.9	0
2	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. Journal of Membrane Science, 2020, 594, 117400.	8.2	8
3	Adsorption process of Co(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. Journal of the Iranian Chemical Society, 2020, 17, 2293-2305.	2.2	8
4	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
5	Highly effective organometallic ϵ -mediated radical polymerization of vinyl acetate using alumina ϵ -supported Co(acac)_2 catalyst: A case study of adsorption and polymerization. Journal of Applied Polymer Science, 2018, 135, 46057.	2.6	12
6	Surface Energy and Thermal Stability Studies of Poly(dimethyl siloxane) ϵ -Poly(alkyl(meth)acrylate) Copolymers. Polymer-Plastics Technology and Engineering, 2017, 56, 1923-1936.	1.9	5
7	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
8	Synthesis and characterization of poly (ethyl methacrylate)-b-poly(dimethyl siloxane)-b-poly(ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2016, 23, 1.	2.4	4
9	Characterization and Gas Permeation Properties of Synthesized Polyurethane-Polydimethylsiloxane / Polyamide 12-b-Polytetramethylene Glycol Blend Membranes. Silicon, 2016, 8, 75-85.	3.3	18
10	Co(acac)_2 mediated controlled radical copolymerization of vinyl acetate and methyl acrylate initiated by benzoyl peroxide. Macromolecular Research, 2015, 23, 139-144.	2.4	6
11	Synthesis and morphology of polyacrylate-poly(dimethyl siloxane) block copolymers for membrane application. Macromolecular Research, 2015, 23, 898-908.	2.4	11
12	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
13	Synthesis and Characterization of PDMS Based Triblock and Pentablock Copolymers. Springer Briefs in Molecular Science, 2014, , 13-24.	0.1	0
14	Functionalized graphene oxide/polyimide nanocomposites as highly CO ₂ -selective membranes. Journal of Polymer Research, 2014, 21, 1.	2.4	55
15	Silicon Containing Copolymers. Springer Briefs in Molecular Science, 2014, , .	0.1	1
16	Structural and transport properties of polydimethylsiloxane based polyurethane/silica particles mixed matrix membranes for gas separation. Korean Journal of Chemical Engineering, 2014, 31, 841-848.	2.7	22
17	Synthesis and Characterization of Poly (phenylene oxide)-Based Block Copolymers via Cobalt Mediated Radical Polymerization (CMRP). Silicon, 2014, 6, 27-34.	3.3	5
18	Silicone Macroinitiator in Atom Transfer Radical Polymerization of Styrene and Vinyl Acetate: Synthesis and Characterization of Pentablock Copolymers. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 432-438.	3.7	16

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19	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
20	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
21	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
22	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
23	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
24	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
25	Novel high porosity mesoporous silica using new mixed two-block copolymers as a template. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 786-792.	1.5	1
26	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
27	Silicone Macroinitiator in the Atom Transfer Radical Polymerization of Methyl Methacrylate and Vinyl Acetate: Synthesis and Characterization of Pentablock Copolymers. <i>ACS Symposium Series</i> , 2013, , 103-110.	0.5	0
28	Sol-Gel Synthesized Nanostructured Silica Particles for Application in Gas Transport Properties of PU-PDMS Based Mixed-Matrix Membranes. <i>Advanced Materials Research</i> , 2013, 829, 862-866.	0.3	0
29	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
30	Study of chain sequence in the controlled radical telomerization of vinyl acetate with Co(acac) ₂ catalyst in bulk. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	11
31	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
32	Effect of monomer/nanoclay interaction on the kinetics of atom transfer radical homo- and copolymerization of styrene and methyl acrylate. <i>Polymer Science - Series B</i> , 2012, 54, 247-258.	0.8	3
33	Controlled free radical polymerization of vinyl acetate with cobalt acetoacetate. <i>Journal of Chemical Sciences</i> , 2012, 124, 521-527.	1.5	18
34	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
35	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
36	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

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37	Gas separation properties of polyether-based polyurethane-silica nanocomposite membranes. Journal of Membrane Science, 2011, 376, 188-195.	8.2	131
38	The effect of urethane and urea content on the gas permeation properties of poly(urethane-urea) membranes. Journal of Membrane Science, 2010, 354, 40-47.	8.2	79
39	Atom transfer radical homo- and copolymerization of styrene and methyl acrylate initiated with trichloromethyl-terminated poly(vinyl acetate) macroinitiator: A kinetic study. Journal of Applied Polymer Science, 2009, 114, 2509-2521.	2.6	16
40	Enhancement of the gas separation properties of polybenzimidazole (PBI) membrane by incorporation of silica nano particles. Journal of Membrane Science, 2009, 331, 21-30.	8.2	208
41	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) Tj ETQq1 1 0.7843514 rgBT /Overlock	3.14	10
42	Kinetic study of atom transfer radical homo- and copolymerization of styrene and methyl methacrylate initiated with trichloromethyl-terminated poly(vinyl acetate) macroinitiator. Polymer, 2008, 49, 3060-3069.	3.8	29
43	Study of macroinitiator efficiency and microstructure-thermal properties in the atom transfer radical polymerization of methyl methacrylate. Journal of Polymer Research, 2008, 15, 403-411.	2.4	5
44	Kinetic study of the free-radical polymerization of vinyl acetate in the presence of deuterated chloroform by ¹ H-NMR spectroscopy. Journal of Applied Polymer Science, 2008, 110, 1784-1796.	2.6	9
45	Effect of montmorillonite on gelation and swelling behavior of sulfonated polyacrylamide nanocomposite hydrogels in electrolyte solutions. European Polymer Journal, 2008, 44, 2024-2031.	5.4	100
46	Novel Preparation of Polyethylene from Nano-extrusion Polymerization Inside the Nanochannels of MCM-41/MgCl ₂ /TiCl ₄ Catalysts. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 680-686.	2.2	8
47	Gelation and Swelling Behavior of Semi-Interpenetrating Polymer Network Hydrogels Based on Polyacrylamide and Poly(vinyl alcohol). Journal of Macromolecular Science - Physics, 2008, 47, 1017-1027.	1.0	18
48	Kinetic Study of Atom Transfer Radical Copolymerization of Methyl Acrylate and Methyl Methacrylate Initiated with Poly(vinyl acetate) Macroinitiator. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 953-961.	2.2	11
49	Effects of compatibilization on rheological properties of PS/PB blends and investigation of Doi-Ohta scaling relationship in double start-up of shear experiments. Rheologica Acta, 2006, 45, 983-993.	2.4	8
50	Atom transfer radical polymerization of (meth)acrylates and their novel block copolymers with vinyl acetate. European Polymer Journal, 2003, 39, 2193-2201.	5.4	31