Amine Harrane

List of Publications by Year
in descending order

34 papers	450 citations	687363 13 h-index	794594 19 g-index
34 all docs	34 docs citations	34 times ranked	277 citing authors

#	Article	IF	Citations
1	A Protons Exchanged Montmorillonite Clay as an Efficient Catalyst for the Reaction of Isobutylene Polymerization. International Journal of Molecular Sciences, 2002, 3, 790-800.	4.1	45
2	A Green Synthesis of Polylimonene Using Maghnite-H+, an Exchanged Montmorillonite Clay, as Eco-Catalyst. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 69-78.	1.1	31
3	PLA-based biodegradable and tunable soft elastomers for biomedical applications. Biomedical Materials (Bristol), 2011, 6, 065006.	3.3	28
4	Cationic Ring Opening Polymerization of Glycolide Catalysed by a Montmorillonite Clay Catalyst. Journal of Polymer Research, 2005, 12, 361-365.	2.4	24
5	Kinetics of the ring opening polymerization of Îµ-caprolactone catalysed by a proton exchanged montmorillonite clay. Reactive and Functional Polymers, 2006, 66, 1696-1702.	4.1	24
6	Thermally Stable Forms of Pure Polyaniline Catalyzed by an Acid-Exchanged Montmorillonite Clay Called Maghnite- as an Effective Catalyst. International Journal of Polymer Science, 2012, 2012, 1-7.	2.7	24
7	Polymerization of Îµ-caprolactone using a montmorillonite clay as catalyst. Designed Monomers and Polymers, 2005, 8, 11-24.	1.6	23
8	Ring opening polymerization of oxetane by the use of a montmorillonite clay as catalyst. Materials Letters, 2007, 61, 3555-3558.	2.6	23
9	Polymerization of Ethylene Glycol Dimethacrylate (EGDM), Using An Algerian Clay as Eco-catalyst (Maghnite-H+ and Maghnite-Na+). Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 221-230.	1.1	22
10	Synthesis of Biodegradable Polycaprolactone/Montmorillonite Nanocomposites by Direct In-situ Polymerization Catalysed by Exchanged Clay. Macromolecular Symposia, 2007, 247, 379-384.	0.7	18
11	Amphiphilic Biodegradable Poly(Îµ-caprolactone)-Poly(ethylene glycol) â€“ Poly(Îµ-caprolactone) Triblock Copolymer Synthesis by Maghnite-H+as a Green Catalyst. Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 130-137.	2.2	17
12	Maghniteâ€H⁺, a solid catalyst for the cationic polymerization of Î±â€methylstyrene. Journal of Applied Polymer Science, 2008, 109, 1476-1479.	2.6	13
13	Polymerization of Î²-pinene by using natural montmorillonite clay as a green catalyst. Green Materials, 2018, 6, 58-64.	2.1	13
14	Green Copolymerization of Limonene with Î²-Pinene Catalyzed by an Eco-Catalyst Maghnite-H+. Polymer Science - Series B, 2018, 60, 555-562.	0.8	12
15	Solid state NMR characterization of formation of poly(Îµâ€caprolactone)/maghnite nanocomposites by in situ polymerization. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 3060-3068.	2.1	11
16	Bulk polycondensation of lactic acid by Maghnite-H+ a non-toxic catalyst. Journal of Polymer Research, 2012, 19, 1.	2.4	11
17	Ring opening polymerization of tetrahydrofuran catalysed by maghnite-H+. Chinese Journal of Polymer Science (English Edition), 2012, 30, 56-62.	3.8	10
18	Cationic ring-opening polymerization of (d,l-lactide) using Maghnite-H+, a non-toxic catalyst. Reactive and Functional Polymers, 2011, 71, 126-130.	4.1	9

#	Article	IF	Citations
19	Ultrasound Assisted Synthesis of Polylimonene and Organomodified-clay Nanocomposites: A Structural, Morphological and Thermal Properties. Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 798-807.	1.1	9
20	Green Nanocomposites from Rosin-Limonene Copolymer and Algerian Clay. Polymers, 2020, 12, 1971.	4.5	8
21	Polymer-Clay Nanocomposites: Exfoliation and Intercalation of Organophilic Montmorillonite Nanofillers in Styreneâ€“Limonene Copolymer. Polymer Science - Series A, 2021, 63, 568-575.	1.0	8
22	Preparation, characterization and application of the nanocomposite PCL-PEG-PCL/Bentonite for the removal of methylene blue (MB) dye. Research on Chemical Intermediates, 2021, 47, 4635-4655.	2.7	8
23	Synthesis of Biodegradable Diblock Copolymers of Glycolide and Poly(oxyethylene) Using a Montmorillonite Clay as Catalyst. Journal of Polymer Research, 2005, 12, 367-371.	2.4	7
24	Protonated Montmorillonite Clay Used as Green Non-toxic Catalyst for the Synthesis of Biocompatible Polyglycidol. Arabian Journal for Science and Engineering, 2016, 41, 2179-2184.	1.1	7
25	Design, Synthesis and Thermo-chemical Properties of Rosin Vinyl Imidazolium Based Compounds as Potential Advanced Biocompatible Materials. Waste and Biomass Valorization, 2020, 11, 3723-3730.	3.4	7
26	Green Synthesis of Starch Nanoparticles (SNPs) by Esterification with Rosin Acid Catalyzed by Maghnite-H+ (Algerian Montmorillonite) with Enhanced Antioxidant Activity. Arabian Journal for Science and Engineering, 2023, 48, 311-326.	3.0	7
27	Maghnite, a Green Catalyst for Cationic Polymerization of Vinylic and Cyclic Monomers. Macromolecular Symposia, 2006, 245-246, 1-4.	0.7	6
28	In situ polymerization of Îµ-caprolactone catalysed by Maghnite-TOA to produce poly(Îµ-caprolactone)/montmorillonite nanocomposites. Designed Monomers and Polymers, 2006, 9, 181-191.	1.6	6
29	Polymerization of DL-Lactide induced by Protonated Montmorillonite clay as a solid catalyst: Mechanism study. Materials Research, 2016, 19, 132-137.	1.3	6
30	Synthesis and Characterization of Poly(Î±-Methylstyrene) by Cationic Polymerization Using a New Solid Ecological Catalyst. Oriental Journal of Chemistry, 2015, 31, 2115-2123.	0.3	6
31	A New Green Catalyst for Synthesis of bis-Macromonomers of Polyethylene Glycol (PEG). Chemistry and Chemical Technology, 2020, 14, 468-473.	1.1	6
32	Ring opening polymerization of glycidyl methacrylate by Maghnite-H+ a solid catalyst. Biointerface Research in Applied Chemistry, 2011, 1, 196-202.	1.0	1
33	POLYMERIZATION OF LACTIC ACID BY MAGHNITE-H[sup +] A NON-TOXIC MONTMORILLONITE CLAY CATALYST. AIP Conference Proceedings, 2008, , .	0.4	0
34	Direct Synthesis and Characterization of Photo-Crosslinkable Biodegradable PLA-PEG-PLA Ttiblock Copolymer with Methacrylates Functions by Green Montmorillonite Clay Catalyst. Chemistry and Chemical Technology, 2020, 14, 474-480.	1.1	0