

# Mohammad Barmar

## List of Publications by Year in descending order

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37  
papers

736  
citations

516215

16  
h-index

552369

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37  
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37  
docs citations

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times ranked

883  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of surface modification of Fe <sub>3</sub> O <sub>4</sub> nanoparticles on thermal and mechanical properties of magnetic polyurethane elastomer nanocomposites. <i>Journal of Materials Science</i> , 2013, 48, 7493-7502.	1.7	73
2	Compatible compositions based on aqueous polyurethane dispersions and sodium alginate. <i>Carbohydrate Polymers</i> , 2013, 92, 490-496.	5.1	73
3	Polyamide/Carbon Nanoparticles Nanocomposites: A Review. <i>Polymer Engineering and Science</i> , 2017, 57, 475-494.	1.5	45
4	Synthesis and investigation of thermal and mechanical properties of in situ prepared biocompatible Fe <sub>3</sub> O <sub>4</sub> /polyurethane elastomer nanocomposites. <i>Polymer Bulletin</i> , 2015, 72, 219-234.	1.7	39
5	Influence of prepolymers molecular weight on the viscoelastic properties of aqueous HEUR solutions. <i>Colloid and Polymer Science</i> , 2004, 282, 454-460.	1.0	38
6	Surface characteristics of polyurethane elastomers based on chitin/1,4-butane diol blends. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 182-185.	3.6	37
7	XRD studies of UV-irradiated chitin based polyurethane elastomers. <i>Carbohydrate Polymers</i> , 2009, 77, 54-58.	5.1	29
8	Effect of polyol structure on the properties of the resultant magnetic polyurethane elastomer nanocomposites. <i>Polymers for Advanced Technologies</i> , 2013, 24, 978-985.	1.6	29
9	Synthesis, characterization and properties of waterborne polyurethanes based on two different ionic centers. <i>Fibers and Polymers</i> , 2015, 16, 718-725.	1.1	28
10	Highly stretchable nanoalginate based polyurethane elastomers. <i>Carbohydrate Polymers</i> , 2013, 95, 630-636.	5.1	27
11	Effect of organo-clay on properties and mechanical behavior of Fluorosilicone rubber. <i>Fibers and Polymers</i> , 2014, 15, 2376-2385.	1.1	26
12	Siloxane-based segmented poly(urethane-urea) elastomer: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1743-1751.	1.3	24
13	A simple approach for morphology tailoring of alginate particles by manipulation ionic nature of polyurethanes. <i>International Journal of Biological Macromolecules</i> , 2014, 66, 212-220.	3.6	23
14	The steady state and dynamic rheological properties of telechelic associative polymer solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 254, 125-130.	2.3	22
15	Investigating the effect of hydrophobic structural parameters on the thickening properties of HEUR associative copolymers. <i>European Polymer Journal</i> , 2005, 41, 619-626.	2.6	20
16	Steady shear viscosity study of various HEUR models with different hydrophilic and hydrophobic sizes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 253, 77-82.	2.3	19
17	Investigating the Uni-HEUR thickener performance considering hydrophilic segment length. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 364, 105-108.	2.3	17
18	Modification of dicyandiamide-cured epoxy resin with different molecular weights of polyethylene glycol and its effect on epoxy/glass prepreg characteristics. <i>High Performance Polymers</i> , 2013, 25, 705-713.	0.8	17

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19	Study of the effect of PEG length in Uni-HEUR thickener behavior. Journal of Applied Polymer Science, 2009, 111, 1751-1754.	1.3	14
20	Study on thermal stability of polyurethane-urea based on polysiloxane and polycaprolactone diols. Korean Journal of Chemical Engineering, 2013, 30, 2093-2099.	1.2	14
21	An Investigation into the Effects of Different Nanoclays on Polyurethane Nanocomposites Properties. Polymer-Plastics Technology and Engineering, 2014, 53, 801-810.	1.9	14
22	A Comparison of the Effect of Different Flame Retardants on the Compressive Strength and Fire Behaviour of Rigid Polyurethane Foams. Frontiers in Forests and Global Change, 2010, 29, 343-358.	0.6	13
23	Study of thermal stability and degradation kinetics of polyurethane-ureas by thermogravimetry. Iranian Polymer Journal (English Edition), 2015, 24, 783-789.	1.3	12
24	New Sulfonated Waterborne Polyurethane Dispersions: Preparation and Characterization. Journal of Dispersion Science and Technology, 2016, 37, 1219-1225.	1.3	12
25	Polyurethane/amino-grafted multiwalled carbon nanotube nanocomposites: Microstructure, thermal, mechanical, and rheological properties. Journal of Applied Polymer Science, 2017, 134, .	1.3	12
26	Effect of NBR on epoxy/glass prepregs properties. Journal of Applied Polymer Science, 2012, 123, 1597-1603.	1.3	10
27	Synthesis and characterization of polyhedral oligomeric silsesquioxane-based waterborne polyurethane nanocomposites. Korean Journal of Chemical Engineering, 2016, 33, 319-329.	1.2	9
28	Micro and nano fibrils from polypropylene/nylon 6 blends. Journal of Applied Polymer Science, 2008, 108, 1473-1481.	1.3	8
29	Influence of a Reactive Organoclay on Polymerization and Properties of Polyurethane Nanocomposites. Polymer-Plastics Technology and Engineering, 2008, 48, 90-96.	1.9	8
30	Isocyanate Modification of Wood Fiber in Enhancing the Performance of its Composites with High Density Polyethylene. Polymers From Renewable Resources, 2012, 3, 43-60.	0.8	7
31	The effect of MWCNT on dynamic mechanical properties and crystallinity of in situ polymerized polyamide 12 nanocomposite. Polymers for Advanced Technologies, 2018, 29, 2134-2146.	1.6	7
32	Investigation of the Thickening Efficiency of HEUR on the Behavior of Two Different Latex Types. International Polymer Processing, 2009, 24, 218-222.	0.3	4
33	Rheological Behavior of HEUR Mixtures in Aqueous Media. International Polymer Processing, 2007, 22, 146-150.	0.3	2
34	Improving the Sound Absorption Properties of Flexible Polyurethane (PU) Foam using Nanofibers and Nanoparticles. Sound and Vibration, 2019, 53, 207-222.	0.2	2
35	Study of the simultaneous effects of MMT nanoclay and hydrophobically modified ethoxylated urethane (HEUR) on viscoelastic and steady shear properties of water-based acrylic resins. Journal of Coatings Technology Research, 2013, 10, 727-731.	1.2	1
36	Rheological and electrical percolation thresholds of multi-walled carbon nanotube/in situ polymerised Nylon12 nanocomposites. Micro and Nano Letters, 2018, 13, 1594-1599.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Effectiveness of heat protection of fabrics loaded with phase change materials. E-Polymers, 2009, 9, .	1.3	0