

# Mohammad Mizanur Rahaman

## List of Publications by Citations

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61  
papers

973  
citations

19  
h-index

28  
g-index

67  
ext. papers

1,164  
ext. citations

3.2  
avg, IF

4.88  
L-index

#	Paper	IF	Citations
61	Synthesis and characterization of waterborne polyurethane adhesives containing different amount of ionic groups (I). <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 5684-5691	2.9	98
60	Synthesis and properties of waterborne fluorinated polyurethane-acrylate using a solvent-/emulsifier-free method. <i>Polymer</i> , <b>2013</b> , 54, 4873-4882	3.9	87
59	Properties of Waterborne Polyurethane Adhesives: Effect of Chain Extender and Polyol Content. <i>Journal of Adhesion Science and Technology</i> , <b>2009</b> , 23, 177-193	2	56
58	Characterization of waterborne polyurethane adhesives containing different soft segments. <i>Journal of Adhesion Science and Technology</i> , <b>2007</b> , 21, 81-96	2	55
57	Properties of isocyanate-reactive waterborne polyurethane adhesives: Effect of cure reaction with various polyol and chain extender content. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 3767-3773	2.9	41
56	Preparation and properties of polydimethylsiloxane (PDMS)/polytetramethyleneadipate glycol (PTAd)-based waterborne polyurethane adhesives: Effect of PDMS molecular weight and content. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 88-96	2.9	36
55	Waterborne polysiloxane-urethane-urea for potential marine coatings <b>2011</b> , 8, 389-399		34
54	Cross-linking reaction of waterborne polyurethane adhesives containing different amount of ionic groups with hexamethoxymethyl melamine. <i>International Journal of Adhesion and Adhesives</i> , <b>2008</b> , 28, 47-54	3.4	31
53	Shape-Stabilized Phase Change Materials for Solar Energy Storage: MgO and Mg(OH) Mixed with Polyethylene Glycol. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	29
52	Preparation and characterization of waterborne polyurethane/clay nanocomposite: Effect on water vapor permeability. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 3697-3705	2.9	28
51	Present Status and Future Prospects of Jute in Nanotechnology: A Review. <i>Chemical Record</i> , <b>2021</b> , 21, 1631-1665	6.6	24
50	Synthesis and Properties of Waterborne Polyurethane (WBPU)/Modified Lignin Amine (MLA) Adhesive: A Promising Adhesive Material. <i>Polymers</i> , <b>2016</b> , 8,	4.5	23
49	Polyurethane/Zinc Oxide (PU/ZnO) Composite-Synthesis, Protective Property and Application. <i>Polymers</i> , <b>2020</b> , 12,	4.5	22
48	Morphology and Properties of Waterborne Polyurethane/CNT Nanocomposite Adhesives with Various Carboxyl Acid Salt Groups. <i>Journal of Adhesion Science and Technology</i> , <b>2009</b> , 23, 839-850	2	20
47	Effect of polyisocyanate hardener on adhesive force of waterborne polyurethane adhesives. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 3663-3669	2.9	20
46	Effect of polyisocyanate hardener on waterborne polyurethane adhesive containing different amounts of ionic groups. <i>Macromolecular Research</i> , <b>2006</b> , 14, 634-639	1.9	20
45	Enhancing the biodegradability and surface protective performance of AZ31 Mg alloy using polypyrrole/gelatin composite coatings with anodized Mg surface. <i>Surface and Coatings Technology</i> , <b>2020</b> , 381, 125139	4.4	20

44	Preparation and properties of waterborne polyurethane-silane: A promising antifouling coating. <i>Macromolecular Research</i> , <b>2011</b> , 19, 8-13	1.9	19
43	Characterization of waterborne polyurethane/clay nanocomposite adhesives containing different amounts of ionic groups. <i>Journal of Adhesion Science and Technology</i> , <b>2007</b> , 21, 1575-1588	2	19
42	Synthesis and Characterization of Waterborne Polyurethane/Clay Nanocomposite [Effect on Adhesive Strength. <i>Macromolecular Symposia</i> , <b>2007</b> , 249-250, 251-258	0.8	18
41	Properties of crosslinked waterborne polyurethane adhesives with modified melamine: Effect of curing time, temperature, and HMMM content. <i>Fibers and Polymers</i> , <b>2009</b> , 10, 6-13	2	17
40	Preparation and properties of waterborne polyurethane/self-cross-linkable fluorinated acrylic copolymer hybrid emulsions using a solvent/emulsifier-free method. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 1369-1382	2.4	16
39	Preparation and properties of sol-gel waterborne polyurethane adhesive. <i>Journal of Sol-Gel Science and Technology</i> , <b>2013</b> , 67, 473-479	2.3	16
38	Microstructural investigations of tubular $\text{Al}_2\text{O}_3$ -supported $\text{Al}_2\text{O}_3$ membranes and their hydrothermal improvement. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 2637-2647	6	15
37	Synthesis and properties of polyurethane coatings: the effect of different types of soft segments and their ratios. <i>Composite Interfaces</i> , <b>2013</b> , 20, 15-26	2.3	15
36	Properties of waterborne polyurethane-fluorinated marine coatings: The effect of different types of diisocyanates and tetrafluorobutanediol chain extender content. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	14
35	Comparative Study of Green and Synthetic Polymers for Enhanced Oil Recovery. <i>Polymers</i> , <b>2020</b> , 12,	4.5	13
34	Corrosion Inhibition Properties of Waterborne Polyurethane/Cerium Nitrate Coatings on Mild Steel. <i>Coatings</i> , <b>2018</b> , 8, 34	2.9	11
33	Biocompatible hydrophilic brushite coatings on AZX310 and AM50 alloys for orthopaedic implants. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2018</b> , 29, 123	4.5	11
32	Effect of functionalized multiwalled carbon nanotubes on weather degradation and corrosion of waterborne polyurethane coatings. <i>Korean Journal of Chemical Engineering</i> , <b>2017</b> , 34, 2480-2487	2.8	11
31	Improvements of antimicrobial and barrier properties of waterborne polyurethane containing hydroxyapatite-silver nanoparticles. <i>Journal of Adhesion Science and Technology</i> , <b>2017</b> , 31, 613-626	2	10
30	Stability and properties of waterborne polyurethane/clay nanocomposite dispersions <b>2017</b> , 14, 1357-1368		10
29	Shape-Stabilized Phase Change Material for Solar Thermal Energy Storage: CaO Containing $\text{MgCO}_3$ Mixed with Polyethylene Glycol. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 12041-12051	4.1	10
28	Properties of Waterborne Polyurethane/Clay Nanocomposite Adhesives. <i>Journal of Adhesion Science and Technology</i> , <b>2009</b> , 23, 739-751	2	8
27	Improved Adhesion and Corrosion Resistant Performance of Polyurethane Coatings on Anodized Mg Alloy for Aerospace Applications. <i>Journal of Materials Engineering and Performance</i> , <b>2020</b> , 29, 2586-2596	1.6	7

26	Pyridinyl Conjugate of UiO-66-NH <sub>2</sub> as Chemosensor for the Sequential Detection of Iron and Pyrophosphate Ion in Aqueous Media. <i>Chemosensors</i> , <b>2020</b> , 8, 122	4	7
25	Properties of Waterborne Polyurethane Adhesives with Aliphatic and Aromatic Diisocyanates. <i>Journal of Adhesion Science and Technology</i> , <b>2011</b> , 25, 2051-2062	2	6
24	Preparation and properties of MDI/H12MDI-based water-borne poly(urethane-urea)s Effects of MDI content and radiant exposure. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 3655-3663	2.9	6
23	The role of carbon nanotubes (CNTs) and carbon particles in green enhanced oil recovery (GEOR) for Arabian crude oil in sandstone core. <i>APPEA Journal</i> , <b>2020</b> , 60, 133	0.6	6
22	Preparation of submicron-/nano-carbon from heavy fuel oil ash and its corrosion resistance performance as composite epoxy coating. <i>Journal of Cleaner Production</i> , <b>2021</b> , 319, 128735	10.3	6
21	Hydrothermal synthesis of triangular CeCO <sub>3</sub> OH particles and photoluminescence properties. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 663-669	8.1	5
20	Waterborne polyurethane/oil fly ash composite: a new environmentally friendly coating material. <i>Journal of Adhesion Science and Technology</i> , <b>2015</b> , 29, 2709-2718	2	5
19	Synthesis and properties of waterborne polyurethane adhesives: effect of chain extender of ethylene diamine, butanediol, and fluoro-butanediol. <i>Journal of Adhesion Science and Technology</i> , <b>2013</b> , 27, 2592-2602	2	5
18	Preparation and properties of crosslinkable waterborne polyurethanes containing aminoplast. <i>Fibers and Polymers</i> , <b>2006</b> , 7, 95-104	2	5
17	Silicone-enriched surface of immersed polyurethane-POSS antifouling coating. <i>International Journal of Polymer Analysis and Characterization</i> , <b>2020</b> , 25, 385-395	1.7	5
16	Effect of metal oxide additives on the structural and barrier properties of a hybrid organosilicon sol-gel coating in 3.5% NaCl medium. <i>Progress in Organic Coatings</i> , <b>2020</b> , 148, 105825	4.8	4
15	CaO-containing LaCO <sub>3</sub> OH nanogears and their luminescence and de-NO <sub>x</sub> properties. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 5363-5377	3.8	4
14	Effect of DMPA-clay-POSS content on thermal and mechanical properties of nanostructured ionomeric polyurethanes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 6981-5	1.3	4
13	Properties of waterborne polyurethane (WBPU) coatings: Effect of alkyl chain length of tertiary amines of carboxylic acid salt groups. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 886-894	2	3
12	Europium doped Ni(BTC) metal-organic framework for detection of heteroaromatic compounds in mixed aqueous media. <i>Materials Research Bulletin</i> , <b>2022</b> , 146, 111604	5.1	2
11	Multi Self-Healable UV Shielding Polyurethane/CeO Protective Coating: The Effect of Low-Molecular-Weight Polyols. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
10	Preparation of a Sustainable Shape-Stabilized Phase Change Material for Thermal Energy Storage Based on Mg-Doped CaCO <sub>3</sub> /PEG Composites. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
9	Host-Guest Extraction of Heavy Metal Ions with --Butylcalix[8]arene from Ammonia or Amine Solutions. <i>International Journal of Analytical Chemistry</i> , <b>2018</b> , 2018, 4015878	1.4	1

8	Water-Erodible Xanthan-Acrylate-Polyurethane Antifouling Coating. <i>Polymers</i> , <b>2019</b> , 11,	4.5	1
7	Synthesis and Properties of Cross-Linkable Waterborne Polyurethane/HMMM-CNT Nanocomposite. <i>Nano Hybrids</i> , <b>2014</b> , 7, 87-111		1
6	Properties of Waterborne Polyurethane/CNT Nanocomposite Adhesives: Effect of Counteractions. <i>Journal of Adhesion Science and Technology</i> , <b>2011</b> , 25, 1073-1086	2	1
5	Properties of Waterborne Polyurethane/Clay Nanocomposite Adhesives with Various Counteractions of Carboxyl Acid Salt Group. <i>Journal of Adhesion Science and Technology</i> , <b>2011</b> , 25, 261-281	2.8	1
4	Polyurethane and Its Derivatives. <i>Polymers and Polymeric Composites</i> , <b>2019</b> , 1-16	0.6	1
3	Efficient Capture of Heavy Metal Ions and Arsenic with a CaY-Carbonate Layered Double-Hydroxide Nanosheet. <i>ACS Omega</i> , <b>2021</b> , 6, 22909-22921	3.9	1
2	LaCO <sub>3</sub> OH Nanoprisms and Their Luminescence and NO Reduction Properties. <i>Catalysts</i> , <b>2020</b> , 10, 394	4	0
1	UV-shielding by a polyurethane/f-Oil fly ash-CeO <sub>2</sub> protective coating. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 49904	2.9	0