

Mohammad Mizanur Rahaman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Europium doped Ni(BTC) metal-organic framework for detection of heteroaromatic compounds in mixed aqueous media. <i>Materials Research Bulletin</i> , 2022 , 146, 111604	5.1	2
60	Present Status and Future Prospects of Jute in Nanotechnology: A Review. <i>Chemical Record</i> , 2021 , 21, 1631-1665	6.6	24
59	Preparation of a Sustainable Shape-Stabilized Phase Change Material for Thermal Energy Storage Based on Mg-Doped CaCO ₃ /PEG Composites. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
58	UV-shielding by a polyurethane/f-Oil fly ash-CeO ₂ protective coating. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49904	2.9	0
57	Efficient Capture of Heavy Metal Ions and Arsenic with a CaY-Carbonate Layered Double-Hydroxide Nanosheet. <i>ACS Omega</i> , 2021 , 6, 22909-22921	3.9	1
56	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> , 2021 , 319, 128735	10.3	6
55	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> , 2020 , 148, 105825	4.8	4
54	LaCO ₃ OH Nanoprisms and Their Luminescence and NO Reduction Properties. <i>Catalysts</i> , 2020 , 10, 394	4	0
53	Improved Adhesion and Corrosion Resistant Performance of Polyurethane Coatings on Anodized Mg Alloy for Aerospace Applications. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 2586-2596	16.6	7
52	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> , 2020 , 60, 133	0.6	6
51	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> , 2020 , 381, 125139	4.4	20
50	Polyurethane/Zinc Oxide (PU/ZnO) Composite-Synthesis, Protective Property and Application. <i>Polymers</i> , 2020 , 12,	4.5	22
49	Silicone-enriched surface of immersed polyurethane-POSS antifouling coating. <i>International Journal of Polymer Analysis and Characterization</i> , 2020 , 25, 385-395	1.7	5
48	Comparative Study of Green and Synthetic Polymers for Enhanced Oil Recovery. <i>Polymers</i> , 2020 , 12,	4.5	13
47	Multi Self-Healable UV Shielding Polyurethane/CeO Protective Coating: The Effect of Low-Molecular-Weight Polyols. <i>Polymers</i> , 2020 , 12,	4.5	2
46	Pyridinyl Conjugate of UiO-66-NH ₂ as Chemosensor for the Sequential Detection of Iron and Pyrophosphate Ion in Aqueous Media. <i>Chemosensors</i> , 2020 , 8, 122	4	7
45	Water-Erodible Xanthan-Acrylate-Polyurethane Antifouling Coating. <i>Polymers</i> , 2019 , 11,	4.5	1

44	Shape-Stabilized Phase Change Materials for Solar Energy Storage: MgO and Mg(OH) Mixed with Polyethylene Glycol. <i>Nanomaterials</i> , 2019 , 9,	5.4	29
43	Shape-Stabilized Phase Change Material for Solar Thermal Energy Storage: CaO Containing MgCO ₃ Mixed with Polyethylene Glycol. <i>Energy & Fuels</i> , 2019 , 33, 12041-12051	4.1	10
42	Polyurethane and Its Derivatives. <i>Polymers and Polymeric Composites</i> , 2019 , 1-16	0.6	1
41	CaO-containing LaCO ₃ OH nanogears and their luminescence and de-NO _x properties. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5363-5377	3.8	4
40	Corrosion Inhibition Properties of Waterborne Polyurethane/Cerium Nitrate Coatings on Mild Steel. <i>Coatings</i> , 2018 , 8, 34	2.9	11
39	Host-Guest Extraction of Heavy Metal Ions with γ -Butylcalix[8]arene from Ammonia or Amine Solutions. <i>International Journal of Analytical Chemistry</i> , 2018 , 2018, 4015878	1.4	1
38	Biocompatible hydrophilic brushite coatings on AZX310 and AM50 alloys for orthopaedic implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 123	4.5	11
37	Microstructural investigations of tubular Al ₂ O ₃ -supported Al ₂ O ₃ membranes and their hydrothermal improvement. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2637-2647	6	15
36	Hydrothermal synthesis of triangular CeCO ₃ OH particles and photoluminescence properties. <i>Chinese Chemical Letters</i> , 2017 , 28, 663-669	8.1	5
35	Effect of functionalized multiwalled carbon nanotubes on weather degradation and corrosion of waterborne polyurethane coatings. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 2480-2487	2.8	11
34	Improvements of antimicrobial and barrier properties of waterborne polyurethane containing hydroxyapatite-silver nanoparticles. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 613-626	2	10
33	Stability and properties of waterborne polyurethane/clay nanocomposite dispersions 2017 , 14, 1357-1368		10
32	Synthesis and Properties of Waterborne Polyurethane (WBPU)/Modified Lignin Amine (MLA) Adhesive: A Promising Adhesive Material. <i>Polymers</i> , 2016 , 8,	4.5	23
31	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> , 2015 , 293, 1369-1382	2.4	16
30	Waterborne polyurethane/oil fly ash composite: a new environmentally friendly coating material. <i>Journal of Adhesion Science and Technology</i> , 2015 , 29, 2709-2718	2	5
29	Properties of waterborne polyurethane-fluorinated marine coatings: The effect of different types of diisocyanates and tetrafluorobutane diol chain extender content. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	14
28	Synthesis and Properties of Cross-Linkable Waterborne Polyurethane/HMMM-CNT Nanocomposite. <i>Nano Hybrids</i> , 2014 , 7, 87-111		1
27	Preparation and properties of sol-gel waterborne polyurethane adhesive. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 67, 473-479	2.3	16

26	Synthesis and properties of waterborne fluorinated polyurethane-acrylate using a solvent-/emulsifier-free method. <i>Polymer</i> , 2013 , 54, 4873-4882	3.9	87
25	Properties of waterborne polyurethane (WBPU) coatings: Effect of alkyl chain length of tertiary amines of carboxylic acid salt groups. <i>Fibers and Polymers</i> , 2013 , 14, 886-894	2	3
24	Synthesis and properties of polyurethane coatings: the effect of different types of soft segments and their ratios. <i>Composite Interfaces</i> , 2013 , 20, 15-26	2.3	15
23	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> , 2013 , 27, 2592-2602	2	5
22	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> , 2012 , 125, 88-96	2.9	36
21	Waterborne polysiloxaneurethaneurea for potential marine coatings 2011 , 8, 389-399		34
20	Preparation and properties of waterborne polyurethane-silane: A promising antifouling coating. <i>Macromolecular Research</i> , 2011 , 19, 8-13	1.9	19
19	Properties of Waterborne Polyurethane/CNT Nanocomposite Adhesives: Effect of Counteractions. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 1073-1086	2	1
18	Properties of Waterborne Polyurethane Adhesives with Aliphatic and Aromatic Diisocyanates. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 2051-2062	2	6
17	Properties of Waterborne Polyurethane/Clay Nanocomposite Adhesives with Various Counteractions of Carboxyl Acid Salt Group. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 261-281	2	1
16	Effect of DMPA-clay-POSS content on thermal and mechanical properties of nanostructured ionomeric polyurethanes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 6981-5	1.3	4
15	Morphology and Properties of Waterborne Polyurethane/CNT Nanocomposite Adhesives with Various Carboxyl Acid Salt Groups. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 839-850	2	20
14	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> , 2009 , 114, 3767-3773	2.9	41
13	Properties of crosslinked waterborne polyurethane adhesives with modified melamine: Effect of curing time, temperature, and HMMM content. <i>Fibers and Polymers</i> , 2009 , 10, 6-13	2	17
12	Properties of Waterborne Polyurethane Adhesives: Effect of Chain Extender and Polyol Content. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 177-193	2	56
11	Properties of Waterborne Polyurethane/Clay Nanocomposite Adhesives. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 739-751	2	8
10	Cross-linking reaction of waterborne polyurethane adhesives containing different amount of ionic groups with hexamethoxymethyl melamine. <i>International Journal of Adhesion and Adhesives</i> , 2008 , 28, 47-54	3.4	31
9	Preparation and properties of MDI/H12MDI-based water-borne poly(urethane-urea)sEffects of MDI content and radiant exposure. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3655-3663	2.9	6

8	Preparation and characterization of waterborne polyurethane/clay nanocomposite: Effect on water vapor permeability. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3697-3705	2.9	28
7	Effect of polyisocyanate hardener on adhesive force of waterborne polyurethane adhesives. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 3663-3669	2.9	20
6	Characterization of waterborne polyurethane/clay nanocomposite adhesives containing different amounts of ionic groups. <i>Journal of Adhesion Science and Technology</i> , 2007 , 21, 1575-1588	2	19
5	Synthesis and Characterization of Waterborne Polyurethane/Clay Nanocomposite [Effect on Adhesive Strength. <i>Macromolecular Symposia</i> , 2007 , 249-250, 251-258	0.8	18
4	Characterization of waterborne polyurethane adhesives containing different soft segments. <i>Journal of Adhesion Science and Technology</i> , 2007 , 21, 81-96	2	55
3	Effect of polyisocyanate hardener on waterborne polyurethane adhesive containing different amounts of ionic groups. <i>Macromolecular Research</i> , 2006 , 14, 634-639	1.9	20
2	Preparation and properties of crosslinkable waterborne polyurethanes containing aminoplast. <i>Fibers and Polymers</i> , 2006 , 7, 95-104	2	5
1	Synthesis and characterization of waterborne polyurethane adhesives containing different amount of ionic groups (I). <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5684-5691	2.9	98