

# Hisham A Essawy

## 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.

62  
papers

1,046  
citations

17  
h-index

30  
g-index

72  
ext. papers

1,240  
ext. citations

3.3  
avg, IF

4.74  
L-index

#	Paper	IF	Citations
62	Characterization on the Copolymerization Resin between Bayberry ( <i>Myrica rubra</i> ) Tannin and Pre-Polymers of Conventional UreaFormaldehyde Resin. <i>Forests</i> , <b>2022</b> , 13, 624	2.8	1
61	Flame-retardant and thermally-insulating tannin and soybean protein isolate (SPI) based foams for potential applications in building materials. <i>Construction and Building Materials</i> , <b>2021</b> , 125711	6.7	1
60	Preparation and characterization of novel cellular/nonporous foam structures derived from tannin furanic resin. <i>Industrial Crops and Products</i> , <b>2021</b> , 162, 113264	5.9	14
59	Effect of pH and zeta potential of Pickering stabilizing magnetite nanoparticles on the features of magnetized polystyrene microspheres. <i>Polymer Engineering and Science</i> , <b>2021</b> , 61, 234-244	2.3	9
58	Non-Furanic Humins-Based Non-Isocyanate Polyurethane (NIPU) Thermoset Wood Adhesives. <i>Polymers</i> , <b>2021</b> , 13,	4.5	6
57	Fabrication and characterization of polymer-infiltrated ceramic network materials based on nano-tetragonal zirconia. <i>Journal of the Korean Ceramic Society</i> , <b>2021</b> , 58, 359-372	2.2	1
56	Preparation of a starch-based adhesive cross-linked with furfural, furfuryl alcohol and epoxy resin. <i>International Journal of Adhesion and Adhesives</i> , <b>2021</b> , 110, 102958	3.4	2
55	Dipolar particles via photopolymerization of 1,6-hexanediol diacrylate miniemulsion template tailored with oppositely-charged polymerizable surfactants. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1246, 131197	3.4	0
54	A novel route to enhance the ductile performance of MF resins by addition of polyamide amine (PA). <i>European Journal of Wood and Wood Products</i> , <b>2020</b> , 78, 835-837	2.1	1
53	Enhancing the Textile Dye Removal from Aqueous Solution Using Cobalt Ferrite Nanoparticles Prepared in Presence of Fulvic Acid. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2020</b> , 30, 1798-1813	3.2	12
52	Impact of graphene/graphene oxide on the mechanical properties of cellulose acetate membrane and promising natural seawater desalination. <i>Journal of Polymer Engineering</i> , <b>2019</b> , 39, 794-804	1.4	4
51	Tannin-furanic resin foam reinforced with cellulose nanofibers (CNF). <i>Industrial Crops and Products</i> , <b>2019</b> , 134, 107-112	5.9	24
50	Improvement of dyes removal from aqueous solution by Nanosized cobalt ferrite treated with humic acid during coprecipitation. <i>Journal of Nanostructure in Chemistry</i> , <b>2019</b> , 9, 281-298	7.6	37
49	Vinyl-functionalized polysiloxane as radical scavenger during the degradation of poly(vinyl chloride). <i>Journal of Thermoplastic Composite Materials</i> , <b>2019</b> , 089270571989505	1.9	1
48	Enhancing the pyrolysis of scrap rubber for carbon nanotubes/graphene production via chemical vapor deposition. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2018</b> , 55, 347-354	2.2	4
47	Grafting polymerization of acrylic acid onto chitosan-cellulose hybrid and application of the graft as highly efficient ligand for elimination of water hardness: Adsorption isotherms, kinetic modeling and regeneration. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 2137-2147	6.8	11
46	Assessment of provoked compatibility of NBR/SBR polymer blend with montmorillonite amphiphiles from the thermal degradation kinetics. <i>Polymer Bulletin</i> , <b>2018</b> , 75, 1417-1430	2.4	13

45	Novel poly(vinyl chloride) based thermoplastic elastomers incorporating vinyl-functionalized silicone rubber. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2018</b> , 55, 507-512	2.2	8
44	Grafting polymerization of acrylic acid onto chitosan-cellulose hybrid and application of the graft as highly efficient ligand for elimination of water hardness: Validation of high selectivity in presence of interfering ions. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 116, 530-536	7.9	3
43	Fabrication of single-walled carbon nanotubes from vulcanized scrap rubber via thermal chemical vapor deposition. <i>RSC Advances</i> , <b>2017</b> , 7, 12938-12944	3.7	5
42	The promise of a specially-designed graft copolymer of acrylic acid onto cellulose as selective sorbent for heavy metal ions. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 103, 261-267	7.9	17
41	Potassium fulvate-functionalized graft copolymer of polyacrylic acid from cellulose as a promising selective chelating sorbent. <i>RSC Advances</i> , <b>2017</b> , 7, 20178-20185	3.7	8
40	Potassium fulvate-modified graft copolymer of acrylic acid onto cellulose as efficient chelating polymeric sorbent. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 771-780	7.9	16
39	Pickering Emulsion Polymerization of Styrene using Nano-SiO <sub>2</sub> and Subsequent Use of the Produced Core-Shell Structures as Fillers for Ethylene Vinyl Acetate Copolymer and Polypropylene. <i>Polymer-Plastics Technology and Engineering</i> , <b>2016</b> , 55, 1124-1130		4
38	Multifunctional Semi-interpenetrating Superabsorbents from Graft Polymerization of Acrylic Acid on Cellulose in Presence of Fulvic Acid as Potential Slow Release Devices of Soil Nutrients. <i>Journal of Advances in Chemistry</i> , <b>2016</b> , 12, 4045-4056		2
37	Potassium fulvate as co-interpenetrating agent during graft polymerization of acrylic acid from cellulose. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 1206-14	7.9	18
36	Superabsorbent hydrogels via graft polymerization of acrylic acid from chitosan-cellulose hybrid and their potential in controlled release of soil nutrients. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 89, 144-51	7.9	120
35	Novel interpenetrating amphiphilic Co-networks based on compatibilized NBR/SBR-montmorillonite composites: A study on the oil absorption characteristics. <i>Polymer Composites</i> , <b>2015</b> , 36, 1494-1501	3	6
34	Isocyanate free condensed tannin-based polyurethanes. <i>European Polymer Journal</i> , <b>2015</b> , 67, 513-526	5.2	68
33	Utilization of hydrophilic/hydrophobic hyperbranched poly(amidoamine)s as additives for melamine urea formaldehyde adhesives. <i>Polymer Composites</i> , <b>2015</b> , 36, 2255-2264	3	5
32	Polystyrene-montmorillonite core-shell particles via Pickering emulsion polymerization and their use as reinforcing additives for polypropylene and ethylene vinyl acetate. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 1546-1552	2.3	10
31	Composite membranes derived from immiscible NBR/SBR blends and amphiphilic montmorillonites: permeability evaluation of these membranes for benzene and toluene in their binary mixtures. <i>RSC Advances</i> , <b>2014</b> , 4, 33555	3.7	5
30	Compatibilization of NBR/SBR blends using amphiphilic montmorillonites: A dynamic mechanical thermal study. <i>Journal of Elastomers and Plastics</i> , <b>2014</b> , 46, 514-526	1.6	14
29	Fabrication of core/shell hybrid organic-organic polymer microspheres via Pickering emulsion polymerization using laponite nanoparticles. <i>Journal of Saudi Chemical Society</i> , <b>2014</b> , 18, 610-617	4.3	19
28	Hyperbranched Poly(amidoamine)s as Additives for Urea Formaldehyde Resin and Their Application in Particleboard Fabrication. <i>BioResources</i> , <b>2014</b> , 10,	1.3	2

27	Rubber nanocomposites based on compatibilized NBR/SBR blends using a series of amphiphilic montmorillonites. <i>Journal of Elastomers and Plastics</i> , <b>2014</b> , 46, 113-131	1.6	15
26	Novel amphiphilic conetworks based on compatibilized NBR/SBRmontmorillonite nanovulcanizates as membranes for dehydrative pervaporation of waterButanol mixtures. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 1560-1570	2.3	12
25	Systematic organophilization of montmorillonite: The impact thereof on the rheometric and mechanical characteristics of NBR and SBR based nanocomposites. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 942-948	2.3	10
24	Upgrading the adhesion properties of a fast-curing epoxy using hydrophilic/hydrophobic hyperbranched poly(amidoamine)s. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4505-4514	2.9	11
23	Upgrading of MUF adhesives for particleboard production using oligomers of hyperbranched poly(amine-ester). <i>Journal of Adhesion Science and Technology</i> , <b>2013</b> , 27, 1058-1068	2	11
22	Effect of addition of glycolysis products of poly(ethyleneterephthalate) wastes to urea-formaldehyde resin on its adhesion performance to wood substrates and formaldehyde emission. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 2377-2383	2.9	10
21	Polyamide capsules via soft templating with oil drops. Subsequent radical polymerization of styrene. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 121-132	2.4	1
20	Poly(amidoamine) dendritic structures, bearing different end groups, as adhesion promoters for ureaformaldehyde wood adhesive system. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 760-767	2.9	18
19	Elastic Polymeric Network Structure for Slow Release Drug Delivery Systems. <i>Polymer-Plastics Technology and Engineering</i> , <b>2011</b> , 50, 438-441		6
18	Polyamide capsules via soft templating with oil drops-1. Morphological studies of the capsule wall. <i>Colloid and Polymer Science</i> , <b>2010</b> , 288, 317-331	2.4	15
17	Hybridization of kaolinite by consecutive intercalation: Preparation and characterization of hyperbranched poly(amidoamine)kaolinite nanocomposites. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 119, 546-552	4.4	29
16	Oil-absorptive polymeric networks based on dispersed oleophilized nanolayers of laponite within ethylenepropylene diene monomer vulcanizates. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 115, 385-392	2.9	18
15	Enhancing the properties of urea formaldehyde wood adhesive system using different generations of core-shell modifiers based on hydroxyl-terminated dendritic poly(amidoamine)s. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 115, 370-375	2.9	26
14	Exfoliation of Kaolinite Nanolayers in Poly(methylmethacrylate) Using Redox Initiator System Involving Intercalating Component. <i>Polymer-Plastics Technology and Engineering</i> , <b>2009</b> , 48, 177-184		16
13	Improving the performance of urea-formaldehyde wood adhesive system using dendritic poly(amidoamine)s and their corresponding half generations. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 1348-1355	2.9	24
12	Poly(methyl methacrylate)-kaolinite nanocomposites prepared by interfacial polymerization with redox initiator system. <i>Colloid and Polymer Science</i> , <b>2008</b> , 286, 795-803	2.4	34
11	Phthalocyanine/laponite nanocomposites as multifunction additives for stabilization of polymeric materials. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 3225-3232	2.9	8
10	PVC-laponite nanocomposites: Enhanced resistance to UV radiation. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 1472-1478	4.7	22

9	Catalytic Effect of Various Kaolinite Forms on the Emulsion Polymerization of Vinylacetate Using Acetone Sodium Bisulfite as Initiator. <i>Polymer-Plastics Technology and Engineering</i> , <b>2007</b> , 47, 66-71		3
8	Synthesis of Poly(lactide) Blends by Melt/Solid Polycondensation. <i>Journal of Elastomers and Plastics</i> , <b>2007</b> , 39, 303-316	1.6	4
7	Preparation of Macroporous Aluminium Oxide using Template of Poly(methacrylic acid-co-glycidylmethacrylate) Crosslinked with Methylenebisacrylamide. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2005</b> , 42, 1361-1368	2.2	1
6	Synthesis of poly(methylmethacrylate)/montmorillonite nanocomposites via in situ intercalative suspension and emulsion polymerization. <i>Polymer Bulletin</i> , <b>2004</b> , 53, 9-17	2.4	43
5	Polystyrene/Montmorillonite Nanocomposites Prepared by In Situ Intercalative Polymerization: Influence of the Surfactant Type. <i>Macromolecular Chemistry and Physics</i> , <b>2004</b> , 205, 2366-2370	2.6	24
4	Synthesis and characterization of poly(vinylpyrrolidone-co-methylacrylate) hydrogel for removal and recovery of heavy metal ions from wastewater. <i>Reactive and Functional Polymers</i> , <b>2004</b> , 61, 421-432	4.6	87
3	The use of montmorillonite as a reinforcing and compatibilizing filler for NBR/SBR rubber blend. <i>Polymer Testing</i> , <b>2004</b> , 23, 803-807	4.5	117
2	Synthesis and optical characterization of poly(glycidylmethacrylate-co-butylacrylate) copolymers. <i>Materials Letters</i> , <b>2004</b> , 58, 3674-3680	3.3	8
1	Suspension polymerization for fabrication of magnetic polystyrene microspheres stabilized with Hitenol BC-20. <i>Polymer Bulletin</i> , 1	2.4	0