

# Hisham A Essawy

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8174610/hisham-a-essawy-publications-by-citations.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
61	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
60	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
59	Isocyanate free condensed tannin-based polyurethanes. <i>European Polymer Journal</i> , <b>2015</b> , 67, 513-526	5.2	68
58	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
57	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
56	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
55	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
54	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
53	Tannin-furanic resin foam reinforced with cellulose nanofibers (CNF). <i>Industrial Crops and Products</i> , <b>2019</b> , 134, 107-112	5.9	24
52	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
51	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
50	PVCkaolinite nanocomposites: Enhanced resistance to UV radiation. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 1472-1478	4.7	22
49	Fabrication of core/shell hybrid organicinorganic 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
48	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
47	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
46	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

45	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
44	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
43	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
42	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
41	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
40	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
39	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
38	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
37	Novel amphiphilic conetworks based on compatibilized NBR/SBR/montmorillonite nanovolcanizates as membranes for dehydrative pervaporation of water/Butanol mixtures. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 1560-1570	2.3	12
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	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
28	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

27	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
26	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
25	Synthesis and optical characterization of poly(glycidylmethacrylate-co-butylacrylate) copolymers. <i>Materials Letters</i> , <b>2004</b> , 58, 3674-3680	3.3	8
24	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
23	Elastic Polymeric Network Structure for Slow Release Drug Delivery Systems. <i>Polymer-Plastics Technology and Engineering</i> , <b>2011</b> , 50, 438-441		6
22	Non-Furanic Humins-Based Non-Isocyanate Polyurethane (NIPU) Thermoset Wood Adhesives. <i>Polymers</i> , <b>2021</b> , 13,	4.5	6
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	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

9	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
8	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
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	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
5	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
4	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
3	Characterization on the Copolymerization Resin between Bayberry ( <i>Myrica rubra</i> ) Tannin and Pre-Polymers of Conventional Urea-Formaldehyde Resin. <i>Forests</i> , <b>2022</b> , 13, 624	2.8	1
2	Suspension polymerization for fabrication of magnetic polystyrene microspheres stabilized with Hitenol BC-20. <i>Polymer Bulletin</i> , 1	2.4	0
1	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