Nadia Ahmed

List of Publications by Year
in descending order

51 papers	1,076 citations	394286 19 h-index	454834 30 g-index
51 all docs	51 docs citations	51 times ranked	824 citing authors

#	Article	IF	Citations
1	Synthesis and characterization of some novel antimicrobial thiosemicarbazone O-carboxymethyl chitosan derivatives. International Journal of Biological Macromolecules, 2014, 63, 163-169.	3.6	75
2	Quaternized N-substituted carboxymethyl chitosan derivatives as antimicrobial agents. International Journal of Biological Macromolecules, 2013, 60, 156-164.	3.6	68
3	Preparation and antimicrobial activity of some carboxymethyl chitosan acyl thiourea derivatives. International Journal of Biological Macromolecules, 2012, 50, 1280-1285.	3.6	57
4	Kinetics, Isotherm and Thermodynamic Studies for Efficient Adsorption of Congo Red Dye from Aqueous Solution onto Novel Cyanoguanidine-Modified Chitosan Adsorbent. Polymers, 2021, 13, 4446.	2.0	51
5	Adsorption of Congo red dye onto antimicrobial terephthaloyl thiourea cross-linked chitosan hydrogels. Water Science and Technology, 2017, 76, 2719-2732.	1.2	48
6	Designing, preparation and evaluation of the antimicrobial activity of biomaterials based on chitosan modified with silver nanoparticles. International Journal of Biological Macromolecules, 2020, 151, 92-103.	3.6	47
7	Synthesis and antimicrobial activity of some novel terephthaloyl thiourea cross-linked carboxymethyl chitosan hydrogels. Cellulose, 2012, 19, 1879-1891.	2.4	42
8	Novel aminohydrazide cross-linked chitosan filled with multi-walled carbon nanotubes as antimicrobial agents. International Journal of Biological Macromolecules, 2018, 115, 651-662.	3.6	41
9	Synthesis and characterization of novel trimellitic anhydride isothiocyanate-cross linked chitosan hydrogels modified with multi-walled carbon nanotubes for enhancement of antimicrobial activity. International Journal of Biological Macromolecules, 2019, 132, 416-428.	3.6	33
10	Novel antimicrobial superporous cross-linked chitosan/pyromellitimide benzoyl thiourea hydrogels. International Journal of Biological Macromolecules, 2016, 82, 589-598.	3.6	32
11	Adsorption Behavior of Methylene Blue Dye by Novel CrossLinked O-CM-Chitosan Hydrogel in Aqueous Solution: Kinetics, Isotherm and Thermodynamics. Polymers, 2021, 13, 3659.	2.0	31
12	Synthesis, characterization, and antimicrobial activity of chitosan hydrazide derivative. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 410-415.	1.8	30
13	Synthesis, characterization and antimicrobial activity of novel aminosalicylhydrazide cross linked chitosan modified with multi-walled carbon nanotubes. Cellulose, 2019, 26, 1141-1156.	2.4	29
14	N-acryloyl,Nâ€²-cyanoacetohydrazide as a thermal stabilizer for rigid poly(vinyl chloride). Polymer International, 1998, 45, 147-156.	1.6	27
15	Novel Antimicrobial Organic Thermal Stabilizer and Co-Stabilizer for Rigid PVC. Molecules, 2012, 17, 7927-7940.	1.7	27
16	Synthesis and Characterization of Novel Uracil-Modified Chitosan as a Promising Adsorbent for Efficient Removal of Congo Red Dye. Polymers, 2022, 14, 271.	2.0	24
17	Synthesis, characterization, anti-inflammatory and anti-Helicobacter pylori activities of novel benzophenone tetracarboxylimide benzoyl thiourea cross-linked chitosan hydrogels. International Journal of Biological Macromolecules, 2021, 181, 956-965.	3.6	22
18	Polymerization products of p-benzoquinone as thermal stabilizers for rigid poly(vinyl chloride). Part IIâ€"Evaluation of the stabilizing efficiency. Polymer Degradation and Stability, 1985, 13, 225-247.	2.7	21

#	Article	IF	Citations
19	Synthesis, Characterization, and Antimicrobial Activity of Carboxymethyl Chitosan-Graft-Poly(N-acryloyl,Nâ€²-cyanoacetohydrazide) Copolymers. Journal of Carbohydrate Chemistry, 2012, 31, 220-240.	0.4	21
20	Enhancement of adsorption of Congo red dye onto novel antimicrobial trimellitic anhydride isothiocyanate-cross-linked chitosan hydrogels. Polymer Bulletin, 2020, 77, 6135-6160.	1.7	20
21	Evaluation of the antimicrobial and anti-biofilm activity of novel salicylhydrazido chitosan derivatives impregnated with titanium dioxide nanoparticles. International Journal of Biological Macromolecules, 2022, 205, 719-730.	3.6	18
22	Evaluation of Antimicrobial and Anti-Biofilm Formation Activities of Novel Poly(vinyl alcohol) Hydrogels Reinforced with Crosslinked Chitosan and Silver Nano-Particles. Polymers, 2022, 14, 1619.	2.0	18
23	Thermal degradation behavior of poly(vinyl chloride) in the presence of poly(glycidyl methacrylate). Journal of Applied Polymer Science, 2008, 110, 2205-2210.	1.3	16
24	Crystallization and thermal properties of biodegradable polyurethanes based on poly[(R)â€3â€hydroxybutyrate] and their composites with chitin whiskers. Journal of Applied Polymer Science, 2014, 131, .	1.3	16
25	Synthesis and characterization of biodegradable copoly(ether-ester-urethane)s and their chitin whisker nanocomposites. Journal of Thermal Analysis and Calorimetry, 2016, 125, 163-173.	2.0	16
26	Effective removal of Basic Red 12 dye by novel antimicrobial trimellitic anhydride isothiocyanate-cross-linked chitosan hydrogels. Polymers and Polymer Composites, 2021, 29, S274-S287.	1.0	16
27	Cross-Linked Chitosan/Multi-Walled Carbon Nanotubes Composite as Ecofriendly Biocatalyst for Synthesis of Some Novel Benzil Bis-Thiazoles. Polymers, 2021, 13, 1728.	2.0	16
28	Novel polymaleimide containing dibenzoyl hydrazine pendant group as chelating agent for antimicrobial activity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 68-77.	1.8	15
29	Chemically Induced Graft Copolymerization of Acrylonitrile onto Carboxymethyl Chitosan and its Modification to Amidoxime Derivative. Polymer-Plastics Technology and Engineering, 2010, 49, 1055-1064.	1.9	14
30	Synergistic effect of maleimido phenyl urea derivatives mixed with some commercial stabilizers on the efficiency of thermal stabilization of PVC. Polymer Testing, 2015, 44, 66-71.	2.3	13
31	Thermal degradation behavior of poly(vinyl chloride) in presence of poly(<i>N</i>â€acryloylâ€<i>N</i>â€²â€cyanoacetohydrazide). Journal of Applied Polymer Science, 2008, 109, 2362-2368.	1.3	12
32	Thermally Stable Antimicrobial PVC/Maleimido Phenyl Thiourea Composites. Advances in Polymer Technology, 2016, 35, 136-145.	0.8	12
33	Thermogravimetric analysis in the evaluation of the inhibition of degradation of rigid poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 and Stability, 2016, 128, 46-54.	2.7	12
34	Pyromellitimide benzoyl thiourea cross-linked carboxymethyl chitosan hydrogels as antimicrobial agents. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 861-870.	1.8	12
35	Chemically induced graft copolymerization of 4-vinyl pyridine onto carboxymethyl chitosan. Polymer Bulletin, 2011, 67, 693-707.	1.7	11
36	Thermally stable antimicrobial PVC/maleimido phenyl urea composites. Polymer Bulletin, 2014, 71, 2833-2849.	1.7	11

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37	Thermogravimetric evaluation of novel antimicrobial phthalimido aromatic 1,3,4-oxadiazole derivatives as stabilizers for rigid PVC. Polymer Degradation and Stability, 2017, 146, 42-52.	2.7	11
38	Terephthalohydrazido cross-linked chitosan hydrogels: synthesis, characterization and applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 969-982.	1.8	11
39	Evaluation of the stability of rigid poly(vinyl chloride)/biologically active phthalimido phenyl urea composites using thermogravimetric analysis. Polymer Degradation and Stability, 2017, 140, 95-103.	2.7	10
40	Biologically active maleimido aromatic 1,3,4-oxadiazole derivatives evaluated thermogravimetrically as stabilizers for rigid PVC. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2535-2546.	2.0	10
41	Novel self-dyed wholly aromatic polyamideâ€“hydrazides covalently bonded with azo groups in their main chains. Journal of Thermal Analysis and Calorimetry, 2013, 114, 859-871.	2.0	8
42	Antimicrobial itaconimido aromatic hydrazide derivatives for inhibition of the thermal degradation of rigid PVC. Polymer Bulletin, 2019, 76, 2341-2365.	1.7	8
43	Phthalimido thioureas with high antimicrobial performance as stabilizers for enhancement of the thermal stability of poly(vinyl chloride) loaded with multiâ€walled carbon nanotubes. Polymers for Advanced Technologies, 2021, 32, 1317-1332.	1.6	8
44	Synthesis, characterization, and antimicrobial activity of novel N-acetyl,Nâ€™-chitosanacetohydrazide and its metal complexes. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 1369-1379.	1.8	8
45	Thermally stable antimicrobial polyvinylchloride/maleimido aromatic hydrazide composites. Journal of Vinyl and Additive Technology, 2016, 22, 247-258.	1.8	7
46	Enhancement of the thermal stability of <scp>PVC</scp> filled with multiwalled carbon nanotubes using new antimicrobic itaconimido aryl 1,3,4â€oxadiazoles. Polymer Composites, 2021, 42, 1245-1257.	2.3	7
47	Novel Self-Dyed Wholly Aromatic Polyamide-Hydrazides Covalently Bonded with Azo Groups in Their Main Chains: 1. Structure-Property Relationships. Molecules, 2012, 17, 13969-13988.	1.7	4
48	Dynamic and electrical properties of aromatic poly(amide hydrazides) filled with multiâ€walled carbon nanotubes. Polymer Composites, 2018, 39, E842.	2.3	3
49	Preparation and characterization of some new antimicrobial thermally stable PVC formulations. Polymer Bulletin, 2020, 78, 6183.	1.7	3
50	Evaluation of poly(N-benzoyl-4-(N-itaconimido)benzhydrazide) and its metal complexes as microbial inhibitors and thermal stabilizers for poly(vinyl chloride). Polymer Bulletin, 2022, 79, 9345-9370.	1.7	3
51	Thermal and optical properties of aromatic polyamideâ€“hydrazides modified with multiwalled carbon nanotubes. Polymers and Polymer Composites, 2021, 29, 591-604.	1.0	1