Shaikh A Ali

List of Publications by Year
in descending order

175 papers	3,923 citations	117625 34 h-index	168389 53 g-index
176 all docs	176 docs citations	176 times ranked	2878 citing authors

#	Article	IF	Citations
1	The isoxazolidines: a new class of corrosion inhibitors of mild steel in acidic medium. Corrosion Science, 2003, 45, 253-266.	6.6	283
2	Solution behavior of hydrophobically associating water-soluble block copolymers of acrylamide and N-benzylacrylamide. Polymer, 2001, 42, 3363-3372.	3.8	120
3	The isoxazolidines: the effects of steric factor and hydrophobic chain length on the corrosion inhibition of mild steel in acidic medium. Corrosion Science, 2005, 47, 2659-2678.	6.6	112
4	Isoxazolidine derivatives as corrosion inhibitors for low carbon steel in HCl solution: experimental, theoretical and effect of KI studies. RSC Advances, 2018, 8, 1764-1777.	3.6	105
5	Bis-isoxazolidines: A new class of corrosion inhibitors of mild steel in acidic media. Corrosion Science, 2008, 50, 3070-3077.	6.6	102
6	Design and synthesis of a novel class of inhibitors for mild steel corrosion in acidic and carbon dioxide-saturated saline media. Corrosion Science, 2014, 87, 187-198.	6.6	93
7	Hydrophobic-tailed bicycloisoxazolidines: A comparative study of the newly synthesized compounds on the inhibition of mild steel corrosion in hydrochloric and sulfuric acid media. Corrosion Science, 2008, 50, 664-675.	6.6	91
8	Synthesis of hydrophobic cross-linked polyzwitterionic acid for simultaneous sorption of Eriochrome black T and chromium ions from binary hazardous waters. Journal of Colloid and Interface Science, 2016, 468, 324-333.	9.4	86
9	New highly phosphonated polysulfone membranes for PEM fuel cells. Journal of Membrane Science, 2010, 360, 26-33.	8.2	70
10	The effects of N -pendants and electron-rich amidine motifs in 2-(p -alkoxyphenyl)-2-imidazolines on mild steel corrosion in CO 2 -saturated 0.5 M NaCl. Corrosion Science, 2015, 90, 54-68.	6.6	70
11	Design and synthesis of a novel corrosion inhibitor embedded with quaternary ammonium, amide and amine motifs for protection of carbon steel in 1ÂM HCl. Journal of Molecular Liquids, 2020, 317, 113917.	4.9	62
12	Carbon Dioxide Corrosion Inhibitors: A review. Arabian Journal for Science and Engineering, 2018, 43, 1-22.	3.0	61
13	Synthesis and evaluation of phosphate-free antiscalants to control CaSO 4 Â·2H 2 O scale formation in reverse osmosis desalination plants. Desalination, 2015, 357, 36-44.	8.2	60
14	Novel cross-linked polymers having pH-responsive amino acid residues for the removal of Cu2+ from aqueous solution at low concentrations. Journal of Hazardous Materials, 2013, 248-249, 47-58.	12.4	58
15	Synthesis, characterization, and utilization of a diallylmethylamine-based cyclopolymer for corrosion mitigation in simulated acidizing environment. Materials Science and Engineering C, 2019, 100, 897-914.	7.3	56
16	Synthesis and solution properties of poly(acrylamide-styrene) block copolymers with high hydrophobic content. Polymer Engineering and Science, 1999, 39, 1962-1968.	3.1	53
17	Heptadecyl-tailed mono- and bis-imidazolines: A study of the newly synthesized compounds on the inhibition of mild steel corrosion in a carbon dioxide-saturated saline medium. Corrosion Science, 2012, 65, 104-112.	6.6	53
18	Synthesis and corrosion inhibition study of some 1,6-hexanediamine-based N , N -diallyl quaternary ammonium salts and their polymers. Polymer, 2001, 42, 2785-2794.	3.8	51

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19	Protein Partitioning in Aqueous Two-Phase Systems Composed of a pH-Responsive Copolymer and Poly(ethylene glycol). Biotechnology Progress, 2008, 20, 526-532.	2.6	50
20	Preparation and viscosity behavior of hydrophobically modified poly(vinyl alcohol) (PVA). Journal of Applied Polymer Science, 1995, 57, 343-352.	2.6	49
21	Synthesis and solution properties of a new ionic polymer and its behavior in aqueous two-phase polymer systems. Polymer, 2002, 43, 1041-1050.	3.8	49
22	Synthesis and solution properties of a betaine-sulfur dioxide polyampholyte. Polymer, 1999, 40, 6849-6857.	3.8	48
23	Synthesis and solution properties of a new pH-responsive polymer containing amino acid residues. Polymer, 2002, 43, 4285-4295.	3.8	48
24	Comparative Studies of the Corrosion Inhibition Efficacy of a Dicationic Monomer and Its Polymer against API X60 Steel Corrosion in Simulated Acidizing Fluid under Static and Hydrodynamic Conditions. ACS Omega, 2020, 5, 27057-27071.	3.5	46
25	Simultaneous trapping of Cr(III) and organic dyes by a pH-responsive resin containing zwitterionic aminomethylphosphonate ligands and hydrophobic pendants. Chemical Engineering Journal, 2017, 330, 663-674.	12.7	44
26	A comparative study of the infrared and Raman spectra of aniline and o-, m-, p-phenylenediamine isomers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 112, 388-396.	3.9	43
27	Synthesis of a unique cross-linked polyzwitterion/anion with an aspartic acid residue and its use for Pb²⁺ removal from aqueous solution. RSC Advances, 2015, 5, 42222-42232.	3.6	43
28	Removal of heavy metal ions using a novel cross-linked polyzwitterionic phosphonate. Separation and Purification Technology, 2012, 98, 94-101.	7.9	42
29	Synthesis and aqueous phase behaviour of homo- and copolymers of 1,1-diallyl-4-formylpiperazinium chloride. Polymer, 1997, 38, 3385-3393.	3.8	40
30	Synthesis and solution properties of hydrophobically associating ionic polymers made from diallylammonium salts/sulfur dioxide cyclocopolymerization. Polymer, 2004, 45, 3651-3661.	3.8	40
31	Fine Tuning the Diffusion Length in Hierarchical ZSM-5 To Maximize the Yield of Propylene in Catalytic Cracking of Hydrocarbons. ACS Sustainable Chemistry and Engineering, 2018, 6, 15832-15840.	6.7	39
32	Fast removal of methylene blue and Hg(II) from aqueous solution using a novel super-adsorbent containing residues of glycine and maleic acid. Journal of Hazardous Materials, 2019, 369, 642-654.	12.4	38
33	Synthesis and solution properties of a quaternary ammonium polyelectrolyte and its corresponding polyampholyte. Polymer, 2001, 42, 7961-7970.	3.8	37
34	Tailoring hydrophobic branch in polyzwitterionic resin for simultaneous capturing of Hg(II) and methylene blue with response surface optimization. Scientific Reports, 2017, 7, 4573.	3.3	37
35	Polyaspartate extraction of cadmium ions from contaminated soil: Evaluation and optimization using central composite design. Journal of Hazardous Materials, 2018, 342, 58-68.	12.4	35
36	Surface and interfacial activities of hydrophobically modified poly(vinyl alcohol) (PVA). Polymer, 1996, 37, 1183-1188.	3.8	34

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37	Polymerization of functionalized diallyl quaternary ammonium salt to poly(ampholyteâ€“electrolyte). Polymer, 2000, 41, 5591-5600.	3.8	34
38	A novel cross-linked pH-responsive tetrapolymer: Synthesis, characterization and sorption evaluation towards Cr(III). Chemical Engineering Journal, 2015, 269, 9-19.	12.7	34
39	Inhibition of mild steel corrosion in 1ÂM H2SO4 by a gemini surfactant 1,6-hexyldiyl-bis-(dimethyldodecylammonium bromide): ANN, RSM predictive modeling, quantum chemical and MD simulation studies. Journal of Molecular Liquids, 2022, 350, 118533.	4.9	34
40	Synthesis and solution properties of a new pH-responsive polymer containing amino propanesulfonic acid residues. Journal of Polymer Science Part A, 2003, 41, 172-184.	2.3	32
41	Cyclopolymerization studies of diallyl- and tetraallylpiperazinium salts. Journal of Applied Polymer Science, 1996, 61, 1077-1085.	2.6	31
42	The effect of pH and salt concentration on the coexistence curves of aqueous two-phase systems containing a pH responsive copolymer and polyethylene glycol. Fluid Phase Equilibria, 2003, 205, 275-290.	2.5	31
43	Synthesis and solution properties of a pHâ€responsive cyclopolymer of zwitterionic ethyl 3â€(N,Nâ€diallylammonio)propanephosphonate. Journal of Polymer Science Part A, 2010, 48, 5693-5703.	2.3	31
44	New Chelating Ion-Exchange Resin Synthesized via the Cyclopolymerization Protocol and Its Uptake Performance for Metal Ion Removal. Industrial & Engineering Chemistry Research, 2015, 54, 9689-9698.	3.7	31
45	Biogenic glutamic acid-based resin: Its synthesis and application in the removal of cobalt(II). Journal of Hazardous Materials, 2017, 327, 44-54.	12.4	31
46	Imidazolines containing single-, twin- and triple-tailed hydrophobes and hydrophilic pendants (CH₂CH₂NH)_nH as inhibitors of mild steel corrosion in CO₂â€“0.5 M NaCl. RSC Advances, 2016, 6, 12348-12362.	3.6	29
47	Regiochemistry of mercury(II) oxide oxidation of unsymmetrical N,N-disubstituted hydroxylamines. Tetrahedron, 1996, 52, 14917-14928.	1.9	28
48	Solution and interfacial behavior of hydrophobically modified water-soluble block copolymers of acrylamide andN-phenethylacrylamide. Journal of Applied Polymer Science, 2001, 82, 467-476.	2.6	27
49	Studies of the anticorrosion property of a newly synthesized Green isoxazolidine for API 5L X60 steel in acid environment. Journal of Materials Research and Technology, 2019, 8, 4399-4416.	5.8	27
50	Pyrrolidine-based quaternary ammonium salts containing propargyl and hydrophobic C-12 and C-16 alkyl chains as corrosion inhibitors in aqueous acidic media. Journal of Molecular Liquids, 2020, 320, 114473.	4.9	27
51	Comparative solution properties of cyclocopolymers having cationic, anionic, zwitterionic and zwitterionic/anionic backbones of similar degree of polymerization. Polymer, 2012, 53, 3368-3377.	3.8	26
52	Synthesis and solution properties of a new sulfobetaine/sulfur dioxide copolymer and its use in aqueous two-phase polymer systems. Polymer, 2003, 44, 1671-1679.	3.8	25
53	Novel sulfonated poly(ether ether ketone)/phosphonated polysulfone polymer blends for proton conducting membranes. Journal of Materials Research, 2012, 27, 1958-1968.	2.6	25
54	Synthesis, characterization and electrochemical evaluation of anticorrosion property of a tetrapolymer for carbon steel in strong acid media. Chinese Journal of Chemical Engineering, 2019, 27, 965-978.	3.5	25

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55	Synthesis and comparative solution properties of single-, twin-, and triple-tailed associating ionic polymers based on diallylammonium salts. Journal of Polymer Science Part A, 2006, 44, 5480-5494.	2.3	23
56	Phosphonobetaine/sulfur dioxide copolymer by Butlerâ€™s cyclopolymerization process. European Polymer Journal, 2011, 47, 1113-1123.	5.4	23
57	A new resin embedded with chelating motifs of biogenic methionine for the removal of Hg(II) at ppb levels. Journal of Hazardous Materials, 2018, 350, 169-179.	12.4	23
58	Studies on phenol permeation through supported liquid membranes containing functionalized polyorganosiloxanes. Journal of Membrane Science, 2005, 250, 85-94.	8.2	22
59	The effects of charge densities on the associative properties of a pH-responsive hydrophobically modified sulfobetaine/sulfur dioxide terpolymer. Polymer, 2005, 46, 10709-10717.	3.8	20
60	A pHâ€responsive cyclopolymer having phosphoâ€and sulfopropyl pendents in the same repeating unit: Synthesis, characterization, and its application as an antiscalant. Journal of Polymer Science Part A, 2013, 51, 5130-5142.	2.3	20
61	pHâ€responsive polyphosphonates using butler's cyclopolymerization. Journal of Polymer Science Part A, 2012, 50, 3580-3591.	2.3	19
62	Aminomethylphosphonate Chelating Ligand and Octadecyl Alkyl Chain in a Resin for Simultaneous Removal of Co(II) Ions and Organic Contaminants. Journal of Chemical & Engineering Data, 2016, 61, 3377-3385.	1.9	19
63	Assessment of sulfonated homo and co-polyimides incorporated polysulfone ultrafiltration blend membranes for effective removal of heavy metals and proteins. Scientific Reports, 2020, 10, 7049.	3.3	19
64	Synthesis, characterization, and solution properties of hydrophobically modified poly(vinyl alcohol). Journal of Applied Polymer Science, 1998, 70, 2499-2506.	2.6	18
65	Immobilization of two polyelectrolytes leading to a novel hydrogel for high-performance Hg2+ removal to ppb and sub-ppb levels. Chemical Engineering Journal, 2018, 334, 1440-1454.	12.7	18
66	Synthesis and solution properties of a new poly(electrolyte-zwitterion). Polymer, 2004, 45, 125-132.	3.8	17
67	A novel cross-linked polyzwitterion/anion having pH-responsive carboxylate and sulfonate groups for the removal of Sr2+ from aqueous solution at low concentrations. Reactive and Functional Polymers, 2013, 73, 796-804.	4.1	17
68	The conformational stability, solvation and the assignments of the experimental infrared, Raman, 1H and 13C NMR spectra of the local anesthetic drug lidocaine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 382-391.	3.9	17
69	1,3 - Dipolar cycloaddition reactions of 1-aza-1-cyclooctene 1-oxide. Tetrahedron, 1997, 53, 5581-5592.	1.9	16
70	Novel Cross-Linked Polyphosphonate for the Removal of Pb²⁺ and Cu²⁺ from Aqueous Solution. Industrial & Engineering Chemistry Research, 2012, 51, 14178-14187.	3.7	16
71	Tipping effect of tetra-alkylammonium on the potency of N-(6-(1H-benzo[d]imidazol-1-yl)hexyl)-N, N-dimethyldodecan-1-aminium bromide (BIDAB) as corrosion inhibitor of austenitic 304L stainless steel in oil and gas acidization: Experimental and DFT approach. Journal of Molecular Liquids, 2022, 360, 119431.	4.9	16
72	Synthesis of a new amino acid/sulfur dioxide copolymer and its use in aqueous two-phase polymer systems. Journal of Polymer Science Part A, 2002, 40, 2464-2477.	2.3	15

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73	The effects of zwitterionic and anionic charge densities in polymer chains on the viscosity behavior of a pH-responsive hydrophobically modified ionic polymer. Journal of Applied Polymer Science, 2005, 98, 1404-1411.	2.6	15
74	The molecular structure and vibrational, 1H and 13C NMR spectra of lidocaine hydrochloride monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 92-100.	3.9	15
75	Regiochemistry and mechanism of oxidation ofN-benzyl-N-alkylhydroxylamines to nitrones. Journal of Physical Organic Chemistry, 2000, 13, 443-451.	1.9	14
76	Synthesis and Cycloaddition Reactions of 2,3,4,5-Tetrahydropyrazine 1-Oxide. Tetrahedron, 2000, 56, 7229-7236.	1.9	14
77	Viscosity behavior and surface and interfacial activities of hydrophobically modified water-soluble acrylamide/N-phenyl acrylamide block copolymers. Journal of Applied Polymer Science, 2003, 89, 2290-2300.	2.6	14
78	The stereochemistry of 1,3-dipolar cycloaddition of internally H-bonded chiral methylenenitrones. Tetrahedron, 2007, 63, 9134-9145.	1.9	14
79	The face selectivity of 1,3-dipolar cycloaddition reactions of 4-butyloxycarbonyl-3,4,5,6-tetrahydropyridine 1-oxide. Tetrahedron, 2008, 64, 6635-6644.	1.9	14
80	Impact of Degree of Hydrophilicity of Pyridinium Bromide Derivatives on HCl Pickling of X-60 Mild Steel: Experimental and Theoretical Evaluations. Coatings, 2020, 10, 185.	2.6	14
81	N1,N1,N12,N12-Tetramethyl-N1, N12-dioctyldodecane-1,12-diaminium bromide: Its synthesis and application in inhibition of mild steel corrosion in 15% HCl. Journal of Molecular Liquids, 2021, 338, 116630.	4.9	14
82	Rheological behavior of associating ionic polymers based on diallylammonium salts containing single-, twin-, and triple-tailed hydrophobes. European Polymer Journal, 2010, 46, 1063-1073.	5.4	13
83	Synthesis and application of polyzwitterionic and polyampholytic maleic acid-alt-(diallylamino)propylphosphonates. RSC Advances, 2017, 7, 31641-31653.	3.6	13
84	Assembly of succinic acid and isoxazolidine motifs in a single entity to mitigate CO2 corrosion of mild steel in saline media. Arabian Journal of Chemistry, 2020, 13, 242-257.	4.9	13
85	Influence of Polymer Structure on Protein Partitioning in Two-Phase Aqueous Systems. Biotechnology Progress, 1996, 12, 173-177.	2.6	12
86	Cyclic nitrone-ethene cycloaddition reactions. Tetrahedron, 1997, 53, 11869-11880.	1.9	12
87	Peracid induced ring opening of some isoxazolidines and oxidation of saturated 1,3-oxazines to new heterocyclic nitrones. Tetrahedron, 1998, 54, 12959-12972.	1.9	12
88	A study of internal rotations and vibrational spectra of oxiranemethanol (glycidol). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 558-562.	3.9	12
89	Cyclopolymers from N,N-diallyl-N-propargyl-(12-Nâ€²-formylamino)-1-dodecylammonium chloride and their use as inhibitors for mild steel corrosion. Polymer Bulletin, 2012, 69, 491-507.	3.3	12
90	Cyclopolymerization protocol for the synthesis of a new poly(electrolyte-zwitterion) containing quaternary nitrogen, carboxylate, and sulfonate functionalities. European Polymer Journal, 2013, 49, 1591-1600.	5.4	12

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91	Synthesis of a biomimetic zwitterionic pentapolymer to fabricate high-performance PVDF membranes for efficient separation of oil-in-water nano-emulsions. Scientific Reports, 2022, 12, 5028.	3.3	12
92	Laser-assisted fabrication of silver quantum dots/polyaspartate polymer composite for antimicrobial applications. Optics and Laser Technology, 2022, 152, 108122.	4.6	12
93	The pHâ€responsive cycloterpolymers of diallyldimethylammonium chloride, 3â€(N,Nâ€diallylammonio)propanesulfonate, and sulfur dioxide. Journal of Applied Polymer Science, 2011, 120, 3662-3672.	2.6	11
94	Synthesis of a polyaminophosphonate and its evaluation as an antiscalant in desalination plant. Polymer Engineering and Science, 2014, 54, 166-174.	3.1	11
95	Synthesis of a novel zwitterionic bisphosphonate cyclopolymer containing residues of alendronic acid. Reactive and Functional Polymers, 2015, 86, 80-86.	4.1	11
96	A novel cyclopolymer containing residues of essential amino acid methionine: synthesis and application. Iranian Polymer Journal (English Edition), 2015, 24, 541-547.	2.4	10
97	Synthesis and application of a cyclopolymer bearing a propylphosphonic acid and a propylcarboxylic acid pendants in the same repeating unit. Journal of Polymer Research, 2016, 23, 1.	2.4	10
98	Design and development of N-vinylcaprolactam copolymers as kinetic hydrate inhibitors for sour gas environments. Fuel, 2022, 311, 122497.	6.4	10
99	Studies on a terephthalic acid and dihydroxydiphenyl sulfone liquid crystalline copolymer and its composites with different thermoplastics. Journal of Applied Polymer Science, 1997, 64, 645-652.	2.6	9
100	Participation of propargyl moiety in Butler's cyclopolymerization process. Polymer, 2004, 45, 8097-8107.	3.8	9
101	Diallylâ€1,12â€diaminododecaneâ€based cyclopolymers and their use as inhibitors for mild steel corrosion. Polymer Engineering and Science, 2012, 52, 2588-2596.	3.1	9
102	Bis[3â€(diethoxyphosphoryl)propyl]diallylammonium chloride: Synthesis and use of its cyclopolymer as an antiscalant. Journal of Applied Polymer Science, 2014, 131, .	2.6	9
103	Synthesis of a diallylammonio propanephosphonate-alt -(sulfur dioxide) copolymer and its evaluation as an antiscalant in desalination plants. Polymer International, 2014, 63, 616-625.	3.1	9
104	A study of the solvent dependence of the structures and the vibrational, 1H and 13C NMR spectra of l- and dl-mandelic acid and l- and dl-3-phenyllactic acid. Journal of Molecular Structure, 2015, 1093, 150-161.	3.6	9
105	Aspartic acid in a new role: Synthesis and application of a pH-responsive cyclopolymer containing residues of the amino acid. Reactive and Functional Polymers, 2015, 93, 120-129.	4.1	9
106	Alternate cyclopolymer of diallylglutamic acid and sulfur dioxide. RSC Advances, 2016, 6, 31019-31030.	3.6	9
107	Inhibition of mild steel corrosion in hydrochloric acid medium by polymeric inhibitors containing residues of essential amino acid methionine. Iranian Polymer Journal (English Edition), 2018, 27, 979-995.	2.4	9
108	Synthesis and face- and stereo-selective cycloadditions of Î±-alkoxy cyclic nitrones. Tetrahedron Letters, 1998, 39, 1255-1256.	1.4	8

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109	Aqueous Two-Phase Systems of pH-Responsive Poly[sodium (diallylamino)methylphosphonate-alt-sulfur dioxide] Cyclopolymer with Poly(oxyethylene). Journal of Chemical & Engineering Data, 2013, 58, 1407-1416.	1.9	8
110	Removal of Zinc and Cadmium Ions Using a Cross-linked Polyaminophosphonate. Journal of Macromolecular Science - Pure and Applied Chemistry, 2013, 50, 375-384.	2.2	8
111	A glutamic acid-based polymer keeping intact the integrity of all the three original functionalities of the amino acid. Designed Monomers and Polymers, 2016, 19, 128-137.	1.6	8
112	Synthesis and Evaluation of a New Acryloyl-Based Copolymer as Kinetic Hydrate Inhibitor for Sour Gas Environments. Energy & Fuels, 2020, 34, 13580-13587.	5.1	8
113	Hydroquinone Decorated with Alkyne, Quaternary Ammonium, and Hydrophobic Motifs to Mitigate Corrosion of Xâ€60 Mild Steel in 15â€...wt.% HCl. Chemistry - an Asian Journal, 2021, 16, 801-821.	3.3	8
114	Evaluation of 1â€Hexadecylbenzimidazole as a Corrosion Inhibitor on Low Carbon Steel 15â€‰% HCl Solution Interface. ChemistrySelect, 2021, 6, 3199-3217.	1.5	8
115	Synthesis and viscosity of hydrophobically modified polymers containing dendritic segments. Journal of Applied Polymer Science, 2008, 109, 1781-1792.	2.6	7
116	Inhibition Performance of a New Series of Mono-/Diamine-Based Corrosion Inhibitors for HCl Solutions. SPE Journal, 2009, 14, 627-633.	3.1	7
117	Conformational analysis and inversion process in some perhydrodipyrido[1,2-b;1â€²2â€²-e]-1,4,2,5-dioxadiazines. Journal of Physical Organic Chemistry, 2010, 23, 488-496.	1.9	7
118	Cyclopolymerization protocol for the synthesis of a poly(zwitterionâ€altâ€sulfur dioxide) to investigate the polyzwitterionâ€toâ€poly(anionâ€zwitterion) transition. Journal of Applied Polymer Science, 2013, 129, 1394-1404.	2.6	7
119	Synthesis, solution properties and scaleâ€inhibiting behaviour of a diallylammonium/sulfur dioxide cyclocopolymer bearing phosphoâ€and sulfopropyl pendents. Polymer International, 2014, 63, 1682-1690.	3.1	7
120	Diallylbis(3-ethoxycarbonylpropyl)ammonium chloride: A symmetrically substituted monomer for the synthesis of an alternate zwitterionic-anionic cyclopolymer. Macromolecular Research, 2016, 24, 163-169.	2.4	7
121	Utilization of catecholic functionality in natural safrole and eugenol to synthesize mussel-inspired polymers. RSC Advances, 2019, 9, 21265-21277.	3.6	7
122	Adsorption of Cd2+ and Cu2+ ions from aqueous solutions by a cross-linked polysulfonateâ€“carboxylate resin. Arabian Journal of Chemistry, 2019, 12, 2597-2607.	4.9	7
123	Synthesis and application of a poly(bis-zwitterion) containing chelating motifs of N-(2-aminoethyl)iminodiacetic acid. European Polymer Journal, 2020, 141, 110071.	5.4	7
124	An antiscalant with chelating residues of amino acid glycine. Desalination, 2022, 531, 115728.	8.2	7
125	NMR study of the anomeric effect and nitrogen inversion in some isoxazolidines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1995, 51, 2279-2287.	3.9	6
126	Piperazine-based homo- and copolymers containing trivalent and quaternary nitrogen functionalities. Journal of Applied Polymer Science, 1998, 69, 1329-1334.	2.6	6

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127	Cyclic nitrones as novel organic corrosion inhibitors for carbon steel in acidic media. Anti-Corrosion Methods and Materials, 2005, 52, 154-159.	1.5	6
128	Phase diagrams of urethanized polyvinyl alcohol with a series of hydrophobically modified pH-responsive polymers containing amino acid residues. Korean Journal of Chemical Engineering, 2012, 29, 1426-1437.	2.7	6
129	Coexistence Curves of Aqueous Two-Phase Systems of Some pH-Responsive Homo- and Copolymers of 3-(Diallylammonio)propane-1-sulfonate and Urethanized Poly(ethenol) or Poly(oxyethylene). Journal of Chemical & Engineering Data, 2013, 58, 2574-2585.	1.9	6
130	Synthesis of novel cross-linked cyclopolymer bearing polyzwitterion-dianionic moieties and its sorption efficiency for Ni(II) removal from waters. Chemical Engineering Research and Design, 2016, 106, 337-346.	5.6	6
131	Butlerâ€™s cyclopolymerizaton protocol in the synthesis of diallylamine salts/sulfur dioxide alternate polymers containing amino acid residues. Journal of Polymer Research, 2017, 24, 1.	2.4	6
132	Scope of sulfur dioxide incorporation into alkyldiallylamineâ€“maleic acidâ€“SO₂ tercyclopolymer. RSC Advances, 2018, 8, 38891-38902.	3.6	6
133	Synthesis and application of alternate cyclopolymers of Î²-diallylaminoethyliminodiacetic acid with maleic acid and sulfur dioxide. Reactive and Functional Polymers, 2021, 161, 104857.	4.1	6
134	Regioselective transformation of 6/5-fused bicyclic isoxazolidines to second-generation cyclic aldonitrones. Arkivoc, 2010, 2010, 132-148.	0.5	6
135	A sorbent containing pH-responsive chelating residues of aspartic and maleic acids for mitigation of toxic metal ions, cationic, and anionic dyes. RSC Advances, 2022, 12, 5938-5952.	3.6	6
136	The conformational analysis of 3-hydroxytetrahydro-1,3-oxazines by NMR spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 1445-1452.	3.9	5
137	Influence of hydrophobe content and salt concentration on dilute solution behaviour of hydrophobically modified ionic polymers from diallylammonium salts/sulfur dioxide cyclocopolymerization: Light scattering and fluorescence spectroscopy. European Polymer Journal, 2005, 41, 2224-2231.	5.4	5
138	Three rotor potential energy scans, conformational equilibrium constants and vibrational analysis of 3-fluoro-1-propanol CH2FCH2CH2OH. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 263-271.	3.9	5
139	2-Isoxazolidineethanols: An NMR study of the effect of intramolecular H-bonding on the population of nitrogen invertomers and inversion process. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 482-490.	3.9	5
140	Peracid-induced ring opening of some hexahydro-2H-isoxazolo[2,3-a]pyridines to second-generation cyclic aldonitrones. Tetrahedron, 2009, 65, 8231-8243.	1.9	5
141	A comparative study of the conformational equilibria, vibrational, 1H and 13C NMR spectra of isobutyranilide and its derivative the anticancer drug flutamide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 131, 249-260.	3.9	5
142	Poly(N,N-diallylaspartic acid-alt-sulfur dioxide): its synthesis and application. Polymer Bulletin, 2016, 73, 2179-2198.	3.3	5
143	A resin containing motifs of maleic acid and glycine: a super-adsorbent for adsorptive removal of basic dye pararosaniline hydrochloride and Cd(II) from water. Journal of Environmental Health Science & Engineering, 2021, 19, 1333-1346.	3.0	5
144	1,12-Dodecyldiyl-bis(dimethylalkylammonium bromide) compounds anticorrosion property on C1018/15% HCl solution interface: Experimental, molecular dynamics simulation, and DFT studies. Journal of Molecular Liquids, 2022, 346, 118332.	4.9	5

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145	Influence of hydrophobe content on the solution rheology of hydrophobically modified terpolymer of SO2, N,N-diallyl-N-carboethoxymethylammonium chloride. European Polymer Journal, 2005, 41, 2472-2482.	5.4	4
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