

# Shaikh A Ali

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/779446/publications.pdf>

Version: 2024-02-01

175  
papers

3,923  
citations

117453

34  
h-index

168136

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. <i>Corrosion Science</i> , 2003, 45, 253-266.	3.0	283
2	Solution behavior of hydrophobically associating water-soluble block copolymers of acrylamide and N-benzylacrylamide. <i>Polymer</i> , 2001, 42, 3363-3372.	1.8	120
3	The isoxazolidines: the effects of steric factor and hydrophobic chain length on the corrosion inhibition of mild steel in acidic medium. <i>Corrosion Science</i> , 2005, 47, 2659-2678.	3.0	112
4	Isoxazolidine derivatives as corrosion inhibitors for low carbon steel in HCl solution: experimental, theoretical and effect of KI studies. <i>RSC Advances</i> , 2018, 8, 1764-1777.	1.7	105
5	Bis-isoxazolidines: A new class of corrosion inhibitors of mild steel in acidic media. <i>Corrosion Science</i> , 2008, 50, 3070-3077.	3.0	102
6	Design and synthesis of a novel class of inhibitors for mild steel corrosion in acidic and carbon dioxide-saturated saline media. <i>Corrosion Science</i> , 2014, 87, 187-198.	3.0	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. <i>Corrosion Science</i> , 2008, 50, 664-675.	3.0	91
8	Synthesis of hydrophobic cross-linked polyzwitterionic acid for simultaneous sorption of Eriochrome black T and chromium ions from binary hazardous waters. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 324-333.	5.0	86
9	New highly phosphonated polysulfone membranes for PEM fuel cells. <i>Journal of Membrane Science</i> , 2010, 360, 26-33.	4.1	70
10	The effects of N -pendants and electron-rich amidine motifs in 2-( p -alkoxyphenyl)-2-imidazolines on mild steel corrosion in CO <sub>2</sub> -saturated 0.5 M NaCl. <i>Corrosion Science</i> , 2015, 90, 54-68.	3.0	70
11	Design and synthesis of a novel corrosion inhibitor embedded with quaternary ammonium, amide and amine motifs for protection of carbon steel in 1M HCl. <i>Journal of Molecular Liquids</i> , 2020, 317, 113917.	2.3	62
12	Carbon Dioxide Corrosion Inhibitors: A review. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 1-22.	1.7	61
13	Synthesis and evaluation of phosphate-free antiscalants to control CaSO <sub>4</sub> · 2H <sub>2</sub> O scale formation in reverse osmosis desalination plants. <i>Desalination</i> , 2015, 357, 36-44.	4.0	60
14	Novel cross-linked polymers having pH-responsive amino acid residues for the removal of Cu <sup>2+</sup> from aqueous solution at low concentrations. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 47-58.	6.5	58
15	Synthesis, characterization, and utilization of a diallylmethylamine-based cyclopolymer for corrosion mitigation in simulated acidizing environment. <i>Materials Science and Engineering C</i> , 2019, 100, 897-914.	3.8	56
16	Synthesis and solution properties of poly(acrylamide-styrene) block copolymers with high hydrophobic content. <i>Polymer Engineering and Science</i> , 1999, 39, 1962-1968.	1.5	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. <i>Corrosion Science</i> , 2012, 65, 104-112.	3.0	53
18	Synthesis and corrosion inhibition study of some 1,6-hexanediamine-based N , N -diallyl quaternary ammonium salts and their polymers. <i>Polymer</i> , 2001, 42, 2785-2794.	1.8	51

#	ARTICLE	IF	CITATIONS
19	Protein Partitioning in Aqueous Two-Phase Systems Composed of a pH-Responsive Copolymer and Poly(ethylene glycol). <i>Biotechnology Progress</i> , 2008, 20, 526-532.	1.3	50
20	Preparation and viscosity behavior of hydrophobically modified poly(vinyl alcohol) (PVA). <i>Journal of Applied Polymer Science</i> , 1995, 57, 343-352.	1.3	49
21	Synthesis and solution properties of a new ionic polymer and its behavior in aqueous two-phase polymer systems. <i>Polymer</i> , 2002, 43, 1041-1050.	1.8	49
22	Synthesis and solution properties of a betaine-sulfur dioxide polyampholyte. <i>Polymer</i> , 1999, 40, 6849-6857.	1.8	48
23	Synthesis and solution properties of a new pH-responsive polymer containing amino acid residues. <i>Polymer</i> , 2002, 43, 4285-4295.	1.8	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. <i>ACS Omega</i> , 2020, 5, 27057-27071.	1.6	46
25	Simultaneous trapping of Cr(III) and organic dyes by a pH-responsive resin containing zwitterionic aminomethylphosphonate ligands and hydrophobic pendants. <i>Chemical Engineering Journal</i> , 2017, 330, 663-674.	6.6	44
26	A comparative study of the infrared and Raman spectra of aniline and o-, m-, p-phenylenediamine isomers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 388-396.	2.0	43
27	Synthesis of a unique cross-linked polyzwitterion/anion with an aspartic acid residue and its use for Pb <sup>2+</sup> removal from aqueous solution. <i>RSC Advances</i> , 2015, 5, 42222-42232.	1.7	43
28	Removal of heavy metal ions using a novel cross-linked polyzwitterionic phosphonate. <i>Separation and Purification Technology</i> , 2012, 98, 94-101.	3.9	42
29	Synthesis and aqueous phase behaviour of homo- and copolymers of 1,1-diallyl-4-formylpiperazinium chloride. <i>Polymer</i> , 1997, 38, 3385-3393.	1.8	40
30	Synthesis and solution properties of hydrophobically associating ionic polymers made from diallylammonium salts/sulfur dioxide cyclocopolymerization. <i>Polymer</i> , 2004, 45, 3651-3661.	1.8	40
31	Fine Tuning the Diffusion Length in Hierarchical ZSM-5 To Maximize the Yield of Propylene in Catalytic Cracking of Hydrocarbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15832-15840.	3.2	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. <i>Journal of Hazardous Materials</i> , 2019, 369, 642-654.	6.5	38
33	Synthesis and solution properties of a quaternary ammonium polyelectrolyte and its corresponding polyampholyte. <i>Polymer</i> , 2001, 42, 7961-7970.	1.8	37
34	Tailoring hydrophobic branch in polyzwitterionic resin for simultaneous capturing of Hg(II) and methylene blue with response surface optimization. <i>Scientific Reports</i> , 2017, 7, 4573.	1.6	37
35	Polyaspartate extraction of cadmium ions from contaminated soil: Evaluation and optimization using central composite design. <i>Journal of Hazardous Materials</i> , 2018, 342, 58-68.	6.5	35
36	Surface and interfacial activities of hydrophobically modified poly(vinyl alcohol) (PVA). <i>Polymer</i> , 1996, 37, 1183-1188.	1.8	34

#	ARTICLE	IF	CITATIONS
37	Polymerization of functionalized diallyl quaternary ammonium salt to poly(ampholyte) electrolyte. <i>Polymer</i> , 2000, 41, 5591-5600.	1.8	34
38	A novel cross-linked pH-responsive tetrapolymer: Synthesis, characterization and sorption evaluation towards Cr(III). <i>Chemical Engineering Journal</i> , 2015, 269, 9-19.	6.6	34
39	Inhibition of mild steel corrosion in 1M H <sub>2</sub> SO <sub>4</sub> by a gemini surfactant 1,6-hexyldiyl-bis-(dimethyldodecylammonium bromide): ANN, RSM predictive modeling, quantum chemical and MD simulation studies. <i>Journal of Molecular Liquids</i> , 2022, 350, 118533.	2.3	34
40	Synthesis and solution properties of a new pH-responsive polymer containing amino propanesulfonic acid residues. <i>Journal of Polymer Science Part A</i> , 2003, 41, 172-184.	2.5	32
41	Cyclopolymerization studies of diallyl- and tetraallylpiperazinium salts. <i>Journal of Applied Polymer Science</i> , 1996, 61, 1077-1085.	1.3	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. <i>Fluid Phase Equilibria</i> , 2003, 205, 275-290.	1.4	31
43	Synthesis and solution properties of a pH-responsive cyclopolymer of zwitterionic ethyl 3-(N,N-diallylammonio)propanephosphonate. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5693-5703.	2.5	31
44	New Chelating Ion-Exchange Resin Synthesized via the Cyclopolymerization Protocol and Its Uptake Performance for Metal Ion Removal. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 9689-9698.	1.8	31
45	Biogenic glutamic acid-based resin: Its synthesis and application in the removal of cobalt(II). <i>Journal of Hazardous Materials</i> , 2017, 327, 44-54.	6.5	31
46	Imidazolines containing single-, twin- and triple-tailed hydrophobes and hydrophilic pendants (CH <sub>2</sub> CH <sub>2</sub> NH) <sub>n</sub> H as inhibitors of mild steel corrosion in CO <sub>2</sub> -0.5 M NaCl. <i>RSC Advances</i> , 2016, 6, 12348-12362.	1.7	29
47	Regiochemistry of mercury(II) oxide oxidation of unsymmetrical N,N-disubstituted hydroxylamines. <i>Tetrahedron</i> , 1996, 52, 14917-14928.	1.0	28
48	Solution and interfacial behavior of hydrophobically modified water-soluble block copolymers of acrylamide and N-phenethylacrylamide. <i>Journal of Applied Polymer Science</i> , 2001, 82, 467-476.	1.3	27
49	Studies of the anticorrosion property of a newly synthesized Green isoxazolidine for API 5L X60 steel in acid environment. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4399-4416.	2.6	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. <i>Journal of Molecular Liquids</i> , 2020, 320, 114473.	2.3	27
51	Comparative solution properties of cyclocopolymers having cationic, anionic, zwitterionic and zwitterionic/anionic backbones of similar degree of polymerization. <i>Polymer</i> , 2012, 53, 3368-3377.	1.8	26
52	Synthesis and solution properties of a new sulfobetaine/sulfur dioxide copolymer and its use in aqueous two-phase polymer systems. <i>Polymer</i> , 2003, 44, 1671-1679.	1.8	25
53	Novel sulfonated poly(ether ether ketone)/phosphonated polysulfone polymer blends for proton conducting membranes. <i>Journal of Materials Research</i> , 2012, 27, 1958-1968.	1.2	25
54	Synthesis, characterization and electrochemical evaluation of anticorrosion property of a tetrapolymer for carbon steel in strong acid media. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 965-978.	1.7	25

#	ARTICLE	IF	CITATIONS
55	Synthesis and comparative solution properties of single-, twin-, and triple-tailed associating ionic polymers based on diallylammonium salts. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5480-5494.	2.5	23
56	Phosphonobetaine/sulfur dioxide copolymer by Butler's cyclopolymerization process. <i>European Polymer Journal</i> , 2011, 47, 1113-1123.	2.6	23
57	A new resin embedded with chelating motifs of biogenic methionine for the removal of Hg(II) at ppb levels. <i>Journal of Hazardous Materials</i> , 2018, 350, 169-179.	6.5	23
58	Studies on phenol permeation through supported liquid membranes containing functionalized polyorganosiloxanes. <i>Journal of Membrane Science</i> , 2005, 250, 85-94.	4.1	22
59	The effects of charge densities on the associative properties of a pH-responsive hydrophobically modified sulfobetaine/sulfur dioxide terpolymer. <i>Polymer</i> , 2005, 46, 10709-10717.	1.8	20
60	A pH-responsive cyclopolymer having phospho- and sulfopropyl pendants in the same repeating unit: Synthesis, characterization, and its application as an antiscalant. <i>Journal of Polymer Science Part A</i> , 2013, 51, 5130-5142.	2.5	20
61	pH-responsive polyphosphonates using butler's cyclopolymerization. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3580-3591.	2.5	19
62	Aminomethylphosphonate Chelating Ligand and Octadecyl Alkyl Chain in a Resin for Simultaneous Removal of Co(II) Ions and Organic Contaminants. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 3377-3385.	1.0	19
63	Assessment of sulfonated homo and co-polyimides incorporated polysulfone ultrafiltration blend membranes for effective removal of heavy metals and proteins. <i>Scientific Reports</i> , 2020, 10, 7049.	1.6	19
64	Synthesis, characterization, and solution properties of hydrophobically modified poly(vinyl alcohol). <i>Journal of Applied Polymer Science</i> , 1998, 70, 2499-2506.	1.3	18
65	Immobilization of two polyelectrolytes leading to a novel hydrogel for high-performance Hg <sup>2+</sup> removal to ppb and sub-ppb levels. <i>Chemical Engineering Journal</i> , 2018, 334, 1440-1454.	6.6	18
66	Synthesis and solution properties of a new poly(electrolyte-zwitterion). <i>Polymer</i> , 2004, 45, 125-132.	1.8	17
67	A novel cross-linked polyzwitterion/anion having pH-responsive carboxylate and sulfonate groups for the removal of Sr <sup>2+</sup> from aqueous solution at low concentrations. <i>Reactive and Functional Polymers</i> , 2013, 73, 796-804.	2.0	17
68	The conformational stability, solvation and the assignments of the experimental infrared, Raman, <sup>1</sup> H and <sup>13</sup> C NMR spectra of the local anesthetic drug lidocaine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 382-391.	2.0	17
69	1,3 - Dipolar cycloaddition reactions of 1-aza-1-cyclooctene 1-oxide. <i>Tetrahedron</i> , 1997, 53, 5581-5592.	1.0	16
70	Novel Cross-Linked Polyphosphonate for the Removal of Pb <sup>2+</sup> and Cu <sup>2+</sup> from Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 14178-14187.	1.8	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. <i>Journal of Molecular Liquids</i> , 2022, 360, 119431.	2.3	16
72	Synthesis of a new amino acid/sulfur dioxide copolymer and its use in aqueous two-phase polymer systems. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2464-2477.	2.5	15

#	ARTICLE	IF	CITATIONS
73	The effects of zwitterionic and anionic charge densities in polymer chains on the viscosity behavior of a pH-responsive hydrophobically modified ionic polymer. <i>Journal of Applied Polymer Science</i> , 2005, 98, 1404-1411.	1.3	15
74	The molecular structure and vibrational, <sup>1</sup> H and <sup>13</sup> C NMR spectra of lidocaine hydrochloride monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 92-100.	2.0	15
75	Regiochemistry and mechanism of oxidation of N-benzyl-N-alkylhydroxylamines to nitrones. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 443-451.	0.9	14
76	Synthesis and Cycloaddition Reactions of 2,3,4,5-Tetrahydropyrazine 1-Oxide. <i>Tetrahedron</i> , 2000, 56, 7229-7236.	1.0	14
77	Viscosity behavior and surface and interfacial activities of hydrophobically modified water-soluble acrylamide/N-phenyl acrylamide block copolymers. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2290-2300.	1.3	14
78	The stereochemistry of 1,3-dipolar cycloaddition of internally H-bonded chiral methylenenitrones. <i>Tetrahedron</i> , 2007, 63, 9134-9145.	1.0	14
79	The face selectivity of 1,3-dipolar cycloaddition reactions of 4-butyloxycarbonyl-3,4,5,6-tetrahydropyridine 1-oxide. <i>Tetrahedron</i> , 2008, 64, 6635-6644.	1.0	14
80	Impact of Degree of Hydrophilicity of Pyridinium Bromide Derivatives on HCl Pickling of X-60 Mild Steel: Experimental and Theoretical Evaluations. <i>Coatings</i> , 2020, 10, 185.	1.2	14
81	N1,N1,N12,N12-Tetramethyl-N1, N12-dioctyl-dodecane-1,12-diaminium bromide: Its synthesis and application in inhibition of mild steel corrosion in 15% HCl. <i>Journal of Molecular Liquids</i> , 2021, 338, 116630.	2.3	14
82	Rheological behavior of associating ionic polymers based on diallylammonium salts containing single-, twin-, and triple-tailed hydrophobes. <i>European Polymer Journal</i> , 2010, 46, 1063-1073.	2.6	13
83	Synthesis and application of polyzwitterionic and polyampholytic maleic acid-alt-(diallylamino)propylphosphonates. <i>RSC Advances</i> , 2017, 7, 31641-31653.	1.7	13
84	Assembly of succinic acid and isoxazolidine motifs in a single entity to mitigate CO <sub>2</sub> corrosion of mild steel in saline media. <i>Arabian Journal of Chemistry</i> , 2020, 13, 242-257.	2.3	13
85	Influence of Polymer Structure on Protein Partitioning in Two-Phase Aqueous Systems. <i>Biotechnology Progress</i> , 1996, 12, 173-177.	1.3	12
86	Cyclic nitron-ethene cycloaddition reactions. <i>Tetrahedron</i> , 1997, 53, 11869-11880.	1.0	12
87	Peracid induced ring opening of some isoxazolidines and oxidation of saturated 1,3-oxazines to new heterocyclic nitrones. <i>Tetrahedron</i> , 1998, 54, 12959-12972.	1.0	12
88	A study of internal rotations and vibrational spectra of oxiranemethanol (glycidol). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 558-562.	2.0	12
89	Cyclopolymers from N,N-diallyl-N-propargyl-(12-N- $\epsilon^2$ -formylamino)-1-dodecylammonium chloride and their use as inhibitors for mild steel corrosion. <i>Polymer Bulletin</i> , 2012, 69, 491-507.	1.7	12
90	Cyclopolymerization protocol for the synthesis of a new poly(electrolyte-zwitterion) containing quaternary nitrogen, carboxylate, and sulfonate functionalities. <i>European Polymer Journal</i> , 2013, 49, 1591-1600.	2.6	12

#	ARTICLE	IF	CITATIONS
91	Synthesis of a biomimetic zwitterionic pentapolymer to fabricate high-performance PVDF membranes for efficient separation of oil-in-water nano-emulsions. <i>Scientific Reports</i> , 2022, 12, 5028.	1.6	12
92	Laser-assisted fabrication of silver quantum dots/polyaspartate polymer composite for antimicrobial applications. <i>Optics and Laser Technology</i> , 2022, 152, 108122.	2.2	12
93	The pH-responsive cycloterpolymer of diallyldimethylammonium chloride, 3-(N,N-diallylammonio)propanesulfonate, and sulfur dioxide. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3662-3672.	1.3	11
94	Synthesis of a polyaminophosphonate and its evaluation as an antiscalant in desalination plant. <i>Polymer Engineering and Science</i> , 2014, 54, 166-174.	1.5	11
95	Synthesis of a novel zwitterionic bisphosphonate cyclopolymer containing residues of alendronic acid. <i>Reactive and Functional Polymers</i> , 2015, 86, 80-86.	2.0	11
96	A novel cyclopolymer containing residues of essential amino acid methionine: synthesis and application. <i>Iranian Polymer Journal (English Edition)</i> , 2015, 24, 541-547.	1.3	10
97	Synthesis and application of a cyclopolymer bearing a propylphosphonic acid and a propylcarboxylic acid pendants in the same repeating unit. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	10
98	Design and development of N-vinylcaprolactam copolymers as kinetic hydrate inhibitors for sour gas environments. <i>Fuel</i> , 2022, 311, 122497.	3.4	10
99	Studies on a terephthalic acid and dihydroxydiphenyl sulfone liquid crystalline copolymer and its composites with different thermoplastics. <i>Journal of Applied Polymer Science</i> , 1997, 64, 645-652.	1.3	9
100	Participation of propargyl moiety in Butler's cyclopolymerization process. <i>Polymer</i> , 2004, 45, 8097-8107.	1.8	9
101	Diallyl-1,12-diaminododecane-based cyclopolymers and their use as inhibitors for mild steel corrosion. <i>Polymer Engineering and Science</i> , 2012, 52, 2588-2596.	1.5	9
102	[Bis(3-(diethoxyphosphoryl)propyl)diallylammonium chloride: Synthesis and use of its cyclopolymer as an antiscalant. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	9
103	Synthesis of a diallylammonio propanephosphonate-(sulfur dioxide) copolymer and its evaluation as an antiscalant in desalination plants. <i>Polymer International</i> , 2014, 63, 616-625.	1.6	9
104	A study of the solvent dependence of the structures and the vibrational, <sup>1</sup> H and <sup>13</sup> C NMR spectra of l- and dl-mandelic acid and l- and dl-3-phenyllactic acid. <i>Journal of Molecular Structure</i> , 2015, 1093, 150-161.	1.8	9
105	Aspartic acid in a new role: Synthesis and application of a pH-responsive cyclopolymer containing residues of the amino acid. <i>Reactive and Functional Polymers</i> , 2015, 93, 120-129.	2.0	9
106	Alternate cyclopolymer of diallylglutamic acid and sulfur dioxide. <i>RSC Advances</i> , 2016, 6, 31019-31030.	1.7	9
107	Inhibition of mild steel corrosion in hydrochloric acid medium by polymeric inhibitors containing residues of essential amino acid methionine. <i>Iranian Polymer Journal (English Edition)</i> , 2018, 27, 979-995.	1.3	9
108	Synthesis and face- and stereo-selective cycloadditions of $\hat{\pm}$ -alkoxy cyclic nitrones. <i>Tetrahedron Letters</i> , 1998, 39, 1255-1256.	0.7	8



#	ARTICLE	IF	CITATIONS
109	Aqueous Two-Phase Systems of pH-Responsive Poly[sodium (diallylamino)methylphosphonate- <i>i&gt;alt&lt;/i&gt;-sulfur dioxide] Cyclopolymer with Poly(oxyethylene). Journal of Chemical &amp; Engineering Data, 2013, 58, 1407-1416.</i>	1.0	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.	1.2	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.	0.7	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.	2.5	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.	1.7	8
114	Evaluation of 1â€Hexadecylbenzimidazole as a Corrosion Inhibitor on Low Carbon Steel 15â€% HCl Solution Interface. ChemistrySelect, 2021, 6, 3199-3217.	0.7	8
115	Synthesis and viscosity of hydrophobically modified polymers containing dendritic segments. Journal of Applied Polymer Science, 2008, 109, 1781-1792.	1.3	7
116	Inhibition Performance of a New Series of Mono-/Diamine-Based Corrosion Inhibitors for HCl Solutions. SPE Journal, 2009, 14, 627-633.	1.7	7
117	Conformational analysis and inversion process in some perhydrodipyrido[1,2-b;1â€2â€-e]-1,4,2,5-dioxadiazines. Journal of Physical Organic Chemistry, 2010, 23, 488-496.	0.9	7
118	Cyclopolymerization protocol for the synthesis of a poly(zwitterionâ€-sulfur dioxide) to investigate the polyzwitterionâ€toâ€poly(anionâ€zwitterion) transition. Journal of Applied Polymer Science, 2013, 129, 1394-1404.	1.3	7
119	Synthesis, solution properties and scaleâ€inhibiting behaviour of a diallylammonium/sulfur dioxide cyclopolymer bearing phosphoâ€and sulfopropyl pendants. Polymer International, 2014, 63, 1682-1690.	1.6	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.	1.0	7
121	Utilization of catecholic functionality in natural safrole and eugenol to synthesize mussel-inspired polymers. RSC Advances, 2019, 9, 21265-21277.	1.7	7
122	Adsorption of Cd <sup>2+</sup> and Cu <sup>2+</sup> ions from aqueous solutions by a cross-linked polysulfonateâ€carboxylate resin. Arabian Journal of Chemistry, 2019, 12, 2597-2607.	2.3	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.	2.6	7
124	An antiscalant with chelating residues of amino acid glycine. Desalination, 2022, 531, 115728.	4.0	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.	2.0	6
126	Piperazine-based homo- and copolymers containing trivalent and quaternary nitrogen functionalities. Journal of Applied Polymer Science, 1998, 69, 1329-1334.	1.3	6



#	ARTICLE	IF	CITATIONS
127	Cyclic nitrones as novel organic corrosion inhibitors for carbon steel in acidic media. <i>Anti-Corrosion Methods and Materials</i> , 2005, 52, 154-159.	0.6	6
128	Phase diagrams of urethanized polyvinyl alcohol with a series of hydrophobically modified pH-responsive polymers containing amino acid residues. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1426-1437.	1.2	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). <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 2574-2585.	1.0	6
130	Synthesis of novel cross-linked cyclopolymer bearing polyzwitterion-dianionic moieties and its sorption efficiency for Ni(II) removal from waters. <i>Chemical Engineering Research and Design</i> , 2016, 106, 337-346.	2.7	6
131	Butler's cyclopolymerization protocol in the synthesis of diallylamine salts/sulfur dioxide alternate polymers containing amino acid residues. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	6
132	Scope of sulfur dioxide incorporation into alkyl diallylamine-maleic acid- $\text{SO}_2$ tercyclopolymer. <i>RSC Advances</i> , 2018, 8, 38891-38902.	1.7	6
133	Synthesis and application of alternate cyclopolymers of $\hat{I}^2$ -diallylaminoethyliminodiacetic acid with maleic acid and sulfur dioxide. <i>Reactive and Functional Polymers</i> , 2021, 161, 104857.	2.0	6
134	Regioselective transformation of 6/5-fused bicyclic isoxazolidines to second-generation cyclic aldonitrones. <i>Arkivoc</i> , 2010, 2010, 132-148.	0.3	6
135	A sorbent containing pH-responsive chelating residues of aspartic and maleic acids for mitigation of toxic metal ions, cationic, and anionic dyes. <i>RSC Advances</i> , 2022, 12, 5938-5952.	1.7	6
136	The conformational analysis of 3-hydroxytetrahydro-1,3-oxazines by NMR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1999, 55, 1445-1452.	2.0	5
137	Influence of hydrophobe content and salt concentration on dilute solution behaviour of hydrophobically modified ionic polymers from diallylammonium salts/sulfur dioxide cyclopolymerization: Light scattering and fluorescence spectroscopy. <i>European Polymer Journal</i> , 2005, 41, 2224-2231.	2.6	5
138	Three rotor potential energy scans, conformational equilibrium constants and vibrational analysis of 3-fluoro-1-propanol $\text{CH}_2\text{FCH}_2\text{CH}_2\text{OH}$ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 263-271.	2.0	5
139	2-Isloxazolidineethanols: An NMR study of the effect of intramolecular H-bonding on the population of nitrogen invertomers and inversion process. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 482-490.	2.0	5
140	Peracid-induced ring opening of some hexahydro-2H-isoxazolo[2,3-a]pyridines to second-generation cyclic aldonitrones. <i>Tetrahedron</i> , 2009, 65, 8231-8243.	1.0	5
141	A comparative study of the conformational equilibria, vibrational, $^1\text{H}$ and $^{13}\text{C}$ NMR spectra of isobutyranilide and its derivative the anticancer drug flutamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 249-260.	2.0	5
142	Poly(N,N-diallylaspartic acid-alt-sulfur dioxide): its synthesis and application. <i>Polymer Bulletin</i> , 2016, 73, 2179-2198.	1.7	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. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 1333-1346.	1.4	5
144	1,12-Dodecyl-diyl-bis(dimethylalkylammonium bromide) compounds anticorrosion property on C1018/15% HCl solution interface: Experimental, molecular dynamics simulation, and DFT studies. <i>Journal of Molecular Liquids</i> , 2022, 346, 118332.	2.3	5

#	ARTICLE	IF	CITATIONS
145	Influence of hydrophobe content on the solution rheology of hydrophobically modified terpolymer of SO <sub>2</sub> , N,N-diallyl-N-carboethoxymethylammonium chloride. <i>European Polymer Journal</i> , 2005, 41, 2472-2482.	2.6	4
146	Structural stability and analysis of vibrational spectra of 1,2,4,5-tetroxane and 3,6-diphenyl-1,2,4,5-tetroxane. <i>Journal of Molecular Structure</i> , 2010, 969, 197-203.	1.8	4
147	A study of the experimental and theoretical infrared, Raman, <sup>1</sup> H and <sup>13</sup> C NMR spectra of the biochemicals valeric and valproic acids. <i>Journal of Molecular Structure</i> , 2014, 1075, 494-503.	1.8	4
148	Synthesis of a terpolymer and a tetrapolymer using monomers of diallylamine salts and SO <sub>2</sub> and their application as antiscalants. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 747-756.	1.3	4
149	Design and Synthesis of a Dual-Purpose Superadsorbent Containing a High Density of Chelating Motifs for the Fast Mitigation of Methylene Blue and Pb(II). <i>ACS Omega</i> , 2020, 5, 27833-27845.	1.6	4
150	Investigation of biodegradable polyaspartate as an effective chelant for washing of lead from soil: response surface methodology approach. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 2679-2696.	1.8	4
151	Synthesis of stimuli-responsive ionic cyclopolymers in search of phosphorous-free antiscalants. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50402.	1.3	4
152	Synthesis, viscosity behavior, and interactions with a surfactant of some amphiphilic copolymers of diallyldimethylammonium chloride and diallyldodecylammonium chloride or diallyloctadecylammonium chloride. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3256-3265.	1.3	3
153	The Regio- and Stereo-Chemistry of 1,3-Dipolar Cycloaddition of a Chiral Methylenitrone to 1,2-Disubstituted Alkenes. <i>Journal of Chemical Research</i> , 2008, 2008, 38-47.	0.6	3
154	Synthesis and stereochemical analysis of some norephedrine-derived isoxazolidines. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 212-220.	0.9	3
155	A study of the conformational stability and the vibrational spectra of 2,3-dichloro-1-propanol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 734-738.	2.0	3
156	Synthesis and cyclopolymerization of diallylammoniomethanesulfonate. <i>Polymer Engineering and Science</i> , 2013, 53, 2378-2388.	1.5	3
157	Construction of a double-layered polyelectrolyte-coated mesoporous silica containing residues of biogenic aspartic acid and its utilization for cadmium (II) removal. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 830-843.	1.1	3
158	Influence of hydrophobe content on phase coexistence curves of aqueous two-phase solutions of associative polyacrylamide copolymers and poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2003, 89, 1351-1355.	1.3	2
159	Rheological behavior of pH-responsive associating ionic polymers of diallylammonium salts and sulfur dioxide. <i>Journal of Applied Polymer Science</i> , 2009, 111, 125-131.	1.3	2
160	Multi-rotor internal rotations and conformational equilibria in oxiraneethanol and assignment of its vibrational spectra. <i>Journal of Molecular Structure</i> , 2009, 933, 92-97.	1.8	2
161	Synthesis and solution properties of amphiphilic cyclopolymers and terpolymers of 4-methoxycarbonyl-1,1-diallylpiperidinium chloride, diallyloctadecylammonium chloride, and sulfur dioxide. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2951-2958.	1.3	2
162	Construction of Aqueous Two-Phase Systems of the Cyclopolymer of (Diallylamino)propylphosphonate and Its Sulfur Dioxide Copolymer with Polyoxyethylene Using <sup>1</sup> H NMR Spectroscopy. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3863-3872.	1.0	2

#	ARTICLE	IF	CITATIONS
163	A short stereoselective synthesis of racemic 2-epicalvine. <i>Natural Product Communications</i> , 2010, 5, 1191-4.	0.2	2
164	Title is missing!. <i>Journal of Chemical Crystallography</i> , 1999, 29, 33-38.	0.5	1
165	Vibrational analyses and C-N rotational barrier in N-vinyl and N-(2,2-dichlorovinyl)nitrones. <i>Computational and Theoretical Chemistry</i> , 2002, 589-590, 393-404.	1.5	1
166	Study of inversion isomerism in some 4,5-cis-substituted-2-isoxazolidineethanols by NMR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 292-295.	2.0	1
167	Synthesis and solution properties of amphiphilic cycloterpolymers of 1,1-diallyl-4-formylpiperizinium chloride, dialyloctadecylammonium chloride and sulfur dioxide. <i>European Polymer Journal</i> , 2009, 45, 131-140.	2.6	1
168	The vibrational assignments of the infrared and Raman spectra of the symmetrically substituted 2,3-diphenylquinoxaline and its N,N-dioxide: Experimental and computational study. <i>Journal of Molecular Structure</i> , 2014, 1058, 284-290.	1.8	1
169	A New Resin Containing Aminopropylphosphonate Chelating Ligand for High-Performance Mitigation of Heavy Metal Ions. <i>ChemistrySelect</i> , 2018, 3, 13408-13418.	0.7	1
170	A study of nitrogen inversion process in some camphor-based isoxazolidines. <i>Arkivoc</i> , 2009, 2008, 255-267.	0.3	1
171	A Study of the Effect of Polystyrene Sulfonation on the Performance of Terephthaloyl Chloride-Dihydroxydiphenyl Sulfone Copolymer/Polystyrene System. <i>Journal of Materials Engineering and Performance</i> , 1998, 7, 739-746.	1.2	0
172	A Short Stereoselective Synthesis of Racemic 2-Epicalvine. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.2	0
173	Racemic methyl 3,10-dioxo-2-azatricyclo[6.2.1.0 <sub>2,6</sub> ]undecane-4-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1245-o1245.	0.2	0
174	Glycidyl ether of naturally occurring sesamol in the synthesis of mussel-inspired polymers. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6649-6661.	2.3	0
175	A study of conformational behaviour in some hexahydro-2H-isoxazolo[2,3-a]pyridines. <i>Arkivoc</i> , 2009, 2008, 96-106.	0.3	0