# CITATION REPORT List of articles citing

Studies on the synthesis and antibacterial activities of polymeric quaternary ammonium salts from dimethylaminoethyl methacrylate

DOI: 10.1016/j.reactfunctpolym.2007.01.008 Reactive and Functional Polymers, 2007, 67, 355-366.

Source: https://exaly.com/paper-pdf/42744796/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
264	Thermal decomposition behaviour of polyacrylamidomethyltrimethyl ammonium chloride in red mud separation process. <b>2008</b> , 15, 808-813		
263	The effect of molecular structure on the surface properties of selected quaternary ammonium salts. <b>2008</b> , 321, 220-6		22
262	Immobilization of quaternary ammonium salts on grafting particle polystyrene/SiO2 and preliminary study of application performance. <b>2008</b> , 254, 4159-4165		18
261	Antibacterial effects of three experimental quaternary ammonium salt (QAS) monomers on bacteria associated with oral infections. <b>2008</b> , 50, 323-7		66
260	The role of hydrophobicity in the antimicrobial and hemolytic activities of polymethacrylate derivatives. <b>2009</b> , 15, 1123-33		236
259	The antibacterial finish of cotton via sols containing quaternary ammonium salts. 2009, 50, 15-21		31
258	Polysiloxane cationic biocides with imidazolium salt (ImS) groups, synthesis and antibacterial properties. <i>European Polymer Journal</i> , <b>2009</b> , 45, 779-787	5.2	62
257	Polymerizable vancomycin derivatives for bactericidal biomaterial surface modification: structure-function evaluation. <i>Biomacromolecules</i> , <b>2009</b> , 10, 2221-34	6.9	57
256	In vitro biocompatibility studies of antibacterial quaternary polymers. <i>Biomacromolecules</i> , <b>2009</b> , 10, 25	5 <i>6</i> 6.5 <sub>9</sub>	61
255	Foldable antibacterial acrylic intraocular lenses of high refractive index. <i>Biomacromolecules</i> , <b>2009</b> , 10, 3055-61	6.9	22
254	Synthesis, degradation, and cytotoxicity of multiblock poly(epsilon-caprolactone urethane)s containing gemini quaternary ammonium cationic groups. <i>Biomacromolecules</i> , <b>2009</b> , 10, 2857-65	6.9	93
253	Antimicrobial Siloxane Statistical and Graft Copolymers Substituted with t-Butylamine and t-Butylammonium Biocidal Functions. <b>2010</b> , 20, 554-563		10
252	Preparation of Water-Insoluble Antibacterial Materials with Surface-Grafted Material PSt/SiO2 and Their Antibacterial Activity. <b>2010</b> , 18, 474-483		11
251	Prevention of Candida albicans biofilm formation by covalently bound dimethylaminoethylmethacrylate and polyethylenimine. <b>2010</b> , 170, 213-21		36
250	The synthesis, characterization and antibacterial activity of quaternized poly(2,6-dimethyl-1,4-phenylene oxide)s modified with ammonium and phosphonium salts. <i>Reactive and Functional Polymers</i> , <b>2010</b> , 70, 944-950	4.6	51
249	A novel antibacterial dental glass-ionomer cement. <b>2010</b> , 118, 531-4		19
248	Synthesis of antibacterial polymers from 2-dimethylamino ethyl methacrylate quaternized by dimethyl sulfate. <b>2010</b> , 42, 766-771		16

Antibacterial Activity of Quaternary Ammonium Salt from Diethylaminoethyl Methacrylate. 2010, 7, S61-S66 3 247 Structures of Novel Antimicrobial Agents for Textiles - A Review. 2010, 80, 1721-1737 246 411 Synthesis and characterization of poly(vinyl alcohol) membranes with quaternary ammonium 245 11 groups for wound dressing. **2010**, 21, 429-43 Synthesis and Application of Isothiazolinone as Durable Antibacterial. 2011, 331, 265-269 244 Synthesis and evaluation of a novel antibacterial dental resin composite with quaternary 243 0.7 23 ammonium salts. Journal of Biomedical Science and Engineering, 2011, 04, 147-157 Effect of PEG content on the properties of biodegradable amphiphilic multiblock 242 37 poly(Ecaprolactone urethane)s. 2011, 2, 885 One-pot fabrication and antimicrobial properties of novel PET nonwoven fabrics. 2011, 6, 045009 241 9 Light-induced antibacterial activity of symmetrical and asymmetrical oligophenylene ethynylenes. 240 63 **2011**, 27, 4956-62 Environmentally friendly antibacterial cotton textiles finished with siloxane sulfopropylbetaine. 239 117 **2011**, 3, 1154-62 238 Preparation and evaluation of a novel glass-ionomer cement with antibacterial functions. 2011, 27, 487-96 143 Polymeric systems containing dual biologically active ions. 2011, 46, 4980-91 6 237 Antibacterial activity and cytotoxicity of two novel cross-linking antibacterial monomers on oral 236 66 pathogens. **2011**, 56, 367-73 The caper (Capparis L.): ethnopharmacology, phytochemical and pharmacological properties. 2011, 81 235 82, 93-101 Synthesis and antimicrobial and antifungal activity of derivatives of the diterpenoid isosteviol and 234 10 the glycoside steviolbioside containing onium nitrogen atoms. 2011, 44, 597-600 Cationic surfmers with benzyl groups: Synthesis and copolymerization with acrylamide. 2011, 29, 352-359 233 Bioinspired core-crosslinked micelles from thymine-functionalized amphiphilic block copolymers: 232 25 Hydrogen bonding and photo-crosslinking study. 2011, 49, 4121-4128 Preparation and evaluation of an antibacterial dental cement containing quaternary ammonium 231 2.9 15 salts. Journal of Applied Polymer Science, 2011, 122, 2542-2551 Study of zwitterionic sulfopropylbetaine containing reactive siloxanes for application in 230 51 antibacterial materials. 2011, 85, 323-9

229	Preparation of pH-responsive Fe3O4/Poly (acrylic acid-stat-methyl methacrylate-block-(2-dimethylamino) ethyl methacrylate) magnetic composite microspheres and its application in controlled release of drug. <b>2011</b> , 31, 938-944		11
228	Synthesis of a novel water-soluble chitosan derivative for flocculated decolorization. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 185, 1482-8	2.8	56
227	Synthesis and characterization of siloxane sulfobetaine antimicrobial agents. <b>2011</b> , 605, L25-L28		9
226	Survival of adhering staphylococci during exposure to a quaternary ammonium compound evaluated by using atomic force microscopy imaging. <b>2011</b> , 55, 5010-7		36
225	Color Removal of Reactive Brilliant Blue KN-R Simulated Dye Wastewater by Using Novel Flocculants. <b>2012</b> , 610-613, 1939-1942		
224	Facile synthesis and characterization of biodegradable antimicrobial poly(ester-carbonate). <b>2012</b> , 22, 11785		32
223	A novel furanone-modified antibacterial dental glass ionomer cement. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3153-6	<b>6</b> .8	28
222	A novel antibacterial resin composite for improved dental restoratives. <b>2012</b> , 23, 1553-61		61
221	Preparation of antibacterial poly(methyl methacrylate) by solution blending with water-insoluble antibacterial agent poly[(tert-buty1amino) ethyl methacrylate]. <i>Journal of Applied Polymer Science</i> , 2012, 125, 3537-3544	.9	33
220	Self-aggregation and antimicrobial activity of alkylguanidium salts. <b>2012</b> , 393, 11-16		30
219	Hierarchically structured polymer blends based on silsesquioxane hybrid nanocomposites with quaternary ammonium units for antimicrobial coatings. <b>2012</b> , 134, 190-199		17
218	Polymeric materials with antimicrobial activity. <i>Progress in Polymer Science</i> , <b>2012</b> , 37, 281-339	9.6	910
217	Cationic poly(ester-phosphoester)s: Facile synthesis and antibacterial properties. <b>2013</b> , 51, 3667-3673		15
216	An innovative quaternary ammonium methacrylate polymer can provide improved antimicrobial properties for a dental adhesive system. <b>2013</b> , 24, 1443-58		19
215	Monodisperse, Charge-Stabilized, CoreBhell Particles via Silica-Supported Reversible AdditionBragmentation Chain Transfer Polymerization for Cell Imaging. <i>Chemistry of Materials</i> , 2013, 25, 3522-3527	.6	27
214	The effect of deposition electrolyte on polypyrrole surface interaction with biological environment. <b>2013</b> , 276, 401-410		26
213	Design of self-disinfecting PVC surfaces using the click chemistry. <i>Reactive and Functional Polymers</i> , <b>2013</b> , 73, 1464-1472	.6	19
212	Antimicrobial N-halamine modified chitosan films. <b>2013</b> , 92, 534-9		97

# (2014-2013)

211	Antimicrobial surface coatings for polypropylene nonwoven fabrics. <i>Reactive and Functional Polymers</i> , <b>2013</b> , 73, 1412-1419	43
210	Hyperbranched Polyether Surface Functionalized with Biomimetic Zwitterionic Polymers as Potential Drug Release Carriers. <b>2013</b> , 11, 288-293	8
209	Preparation of Biomimetic Zwitterionic Core Cross-Linked Nanocarriers for Control Release of Bioactive Agents. <b>2013</b> , 50, 644-652	9
208	Facile preparation and antibacterial properties of cationic polymers derived from 2-(dimethylamino)ethyl methacrylate. <i>RSC Advances</i> , <b>2013</b> , 3, 20758	12
207	Synthesis, characterization, and biological activities of organosoluble and thermally stable xanthone-based polyamides. <b>2013</b> , 48, 2520-2529	15
206	A high-efficacy and regenerable antimicrobial resin containing quaternarized N-halamine groups.  Reactive and Functional Polymers, <b>2013</b> , 73, 1580-1587	33
205	Dental plaque microcosm response to bonding agents containing quaternary ammonium methacrylates with different chain lengths and charge densities. <b>2013</b> , 41, 1122-31	74
204	Synthesis and Properties of Dicephalic Cationic Surfactants Containing a Quaternary Ammonium and a Guanidine Group. <b>2013</b> , 16, 71-76	8
203	pH-sensitive nanocargo based on smart polymer functionalized graphene oxide for site-specific drug delivery. <b>2013</b> , 15, 5176-85	60
202	Shaped core/shell polymer nanoobjects with high antibacterial activities via block copolymer microphase separation. <b>2013</b> , 54, 3485-3491	31
201	Synthesis and characterization of antibacterial polyurethane coatings from quaternary ammonium salts functionalized soybean oil based polyols. <b>2013</b> , 33, 153-64	102
200	Antibacterial cotton treated with N-halamine and quaternary ammonium salt. <b>2013</b> , 20, 3123-3130	80
199	Decolorization of Reactive Brilliant Red X-3B Simulated Dye Water by Novel Coagulants. <b>2013</b> , 743-744, 665-668	
198	Investigation of double bond conversion, mechanical properties, and antibacterial activity of dental resins with different alkyl chain length quaternary ammonium methacrylate monomers (QAM). <b>2013</b> , 24, 565-73	38
197	Hyperbranched Polyether Surface Functionalized with Biomimetic Zwitterionic Polymers as Potential Drug Release Carriers. <b>2013</b> , 150527100759009	
196	Effect of a novel quaternary ammonium methacrylate polymer (QAMP) on adhesion and antibacterial properties of dental adhesives. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 8998-9015	18
195	New trends in antimicrobial polymers: A state-of-the-art review. <b>2014</b> , 1, 95	9
194	Preparation of stimuli-responsive nanogels of poly [2-(dimethylamino) ethyl methacrylate] by heterophase and microemulsion polymerization using gamma radiation. <b>2014</b> , 54, 1625-1631	14

193	Optimizing the concentration of quaternary ammonium dimethacrylate monomer in bis-GMA/TEGDMA dental resin system for antibacterial activity and mechanical properties. <b>2014</b> , 25, 1387-93		36
192	Biological Behaviors of Guanidine-Based Cationic Surfactants. <b>2014</b> , 17, 459-464		11
191	Preparation of antifog and antibacterial coatings by photopolymerization. <b>2014</b> , 25, 651-656		27
190	Non-conventional synthesis and antibacterial activity of poly(aniline-co-o-phenylenediamine)/bentonite nanocomposites. <b>2014</b> , 17, 458-465		30
189	Novel quaternary phosphonium-type cationic polyacrylamide and elucidation of dual-functional antibacterial/antiviral activity. <i>RSC Advances</i> , <b>2014</b> , 4, 46887-46895	3.7	66
188	Eco-friendly synthesis of regenerable antimicrobial polymeric resin with N-halamine and quaternary ammonium salt groups. <i>RSC Advances</i> , <b>2014</b> , 4, 6048	3.7	55
187	Antimicrobial Cellulose Modified with Nanotitania and Cyclic N-Halamine. <i>Industrial &amp; amp;</i> Engineering Chemistry Research, <b>2014</b> , 53, 13058-13064	3.9	32
186	Synthesis of antibacterial and radio-opaque dimethacrylate monomers and their potential application in dental resin. <b>2014</b> , 30, 968-76		28
185	Surface Modification of Mild Steel with Thermally Cured Antibacterial Poly(vinylbenzyl chloride) Polyaniline Bilayers for Effective Protection against Sulfate Reducing Bacteria Induced Corrosion. <i>Industrial &amp; Discourse Induced Corrosion</i> . <i>Industrial &amp; Discourse Induced Corrosion</i> .	3.9	33
184	Antibacterial Activities of Five Cationic Gemini Surfactants with Ethylene Glycol Bisacetyl Spacers. <b>2014</b> , 17, 1089-1097		12
183	Antimicrobial coating of modified chitosan onto cotton fabrics. <b>2014</b> , 309, 138-143		81
182	High-efficacy antibacterial polymeric micro/nano particles with N-halamine functional groups. <b>2014</b> , 254, 30-38		29
181	Self-aggregation and antimicrobial activity of saccharide-cationic surfactants. <b>2014</b> , 456, 231-237		14
180	Dual action bactericides: Quaternary ammonium/N-halamine-functionalized cellulose fiber. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	14
179	3D-Printable Antimicrobial Composite Resins. <b>2015</b> , 25, 6756-6767		83
178	Preparation, characterization, and antibacterial activities of quaternarized N-halamine-grafted cellulose fibers. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	9
177	The Preparation of Graphene Reinforced Poly(vinyl alcohol) Antibacterial Nanocomposite Thin Film. <b>2015</b> , 2015, 1-7		8
176	Development of novel dental adhesive with double benefits of protein-repellent and antibacterial capabilities. <b>2015</b> , 31, 845-54		46

### (2015-2015)

175	Effects of interaction between a polycation and a nonionic polymer on their cross-assembly into mixed micelles. <b>2015</b> , 11, 4197-207		13
174	Synthesis and antibacterial characterization of waterborne polyurethanes with gemini quaternary ammonium salt. <b>2015</b> , 60, 1114-1121		34
173	Deciphering Physical versus Chemical Contributions to the Ionic Conductivity of Functionalized Poly(methacrylate)-Based Ionogel Electrolytes. <b>2015</b> , 119, 14959-69		23
172	Synthesis, characterization and antibacterial properties of dihydroxy quaternary ammonium salts with long chain alkyl bromides. <b>2015</b> , 85, 91-7		37
171	Assessments of antibacterial and physico-mechanical properties for dental materials with chemically anchored quaternary ammonium moieties: thiol-ene-methacrylate vs. conventional methacrylate system. <b>2015</b> , 31, 244-61		23
170	Quaternary ammonium poly(diethylaminoethyl methacrylate) possessing antimicrobial activity. <b>2015</b> , 128, 608-613		21
169	Modified Nonconventional Synthesis of New Terpoly(Aniline, o-Anthranilic Acid and o-Phenylenediamine)/Bentonite Composites. <b>2015</b> , 54, 61-67		18
168	Self-assembled antibacterial coating by N-halamine polyelectrolytes on a cellulose substrate.  Journal of Materials Chemistry B, <b>2015</b> , 3, 1446-1454	;	75
167	Synthesis and antimicrobial activities of acrylamide polymers containing quaternary ammonium salts on bacteria and phytopathogenic fungi. <i>Reactive and Functional Polymers</i> , <b>2015</b> , 88, 39-46	5	34
166	Effect on vascular permeability of a self-etching adhesive system containing an antimicrobial quaternary ammonium polymer QAMP into subcutaneous tissue of rats. <b>2015</b> , 60, 1138-45		4
165	Effect of a Self-Etching Adhesive System Containing a Novel Antimicrobial Polymer (QAMP) on Inhibiting Carious Lesions by Evaluating the Mechanical Properties of the ResinDentin Interface. <b>2015</b> , 91, 356-368		1
164	Dual effect of coumarin benzimidazolium ionic salt covalently bonded on a silica network. <b>2015</b> , 39, 25-33		0
163	Antimicrobial polymethacrylates based on quaternized 1,3-thiazole and 1,2,3-triazole side-chain groups. <b>2015</b> , 6, 3449-3459		61
162	Allylimidazolium salt based antibacterial polymer coatings produced by thiol@ne photocuring.  *Reactive and Functional Polymers, 2015, 87, 53-60**  4.6	5	12
161	Antimicrobial polymeric materials with quaternary ammonium and phosphonium salts. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 3626-55	3	339
160	Effect of siloxane spacer length on organosilicon bi-quaternary ammonium amphiphiles. <b>2015</b> , 128, 528-53	6	26
159	Synthesis, surface properties, and antibacterial activity of polysiloxane quaternary ammonium salts containing epoxy group. <b>2015</b> , 293, 1971-1981		20
158	Antibacterial activity of polymeric quaternary ammonium compounds tuned by incorporating hydrophilic co-monomer. <b>2015</b> , 31, 160-166		3

157	Preparation of surface self-concentration and contact-killing antibacterial coating through UV curing. <i>RSC Advances</i> , <b>2015</b> , 5, 34199-34205	7	15
156	A systematic review about antibacterial monomers used in dental adhesive systems: Current status and further prospects. <b>2015</b> , 31, 1345-62		98
155	Preparation of an Antibacterial Poly(ionic liquid) Graft Copolymer of Hydroxyethyl Cellulose. <i>Biomacromolecules</i> , <b>2015</b> , 16, 3970-9	9	25
154	Antimicrobial N-halamine coatings synthesized via vapor-phase assisted polymerization. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	9	24
153	Controllable modification of polymer membranes by LDDLT plasma flow: Antibacterial layer onto PE hollow fiber membrane module. <b>2015</b> , 265, 16-26		15
152	Effect of glycounits on the antimicrobial properties and toxicity behavior of polymers based on quaternized DMAEMA. <i>Biomacromolecules</i> , <b>2015</b> , 16, 295-303	9	67
151	Antimicrobial polymers for anti-biofilm medical devices: state-of-art and perspectives. <b>2015</b> , 831, 93-117		43
150	Effect of Storage in Distilled Water for Three Months on the Antimicrobial Properties of Poly(methyl methacrylate) Denture Base Material Doped with Inorganic Filler. <b>2016</b> , 9,		9
149	Surface Functionalization of Polyethersulfone Membrane with Quaternary Ammonium Salts for Contact-Active Antibacterial and Anti-Biofouling Properties. <b>2016</b> , 9,		25
148	Antimicrobial Approaches for Textiles: From Research to Market. <b>2016</b> , 9,		180
148	Antimicrobial Approaches for Textiles: From Research to Market. <b>2016</b> , 9,  Antibacterial, cytotoxic and genotoxic activity of nitrogenated and haloid derivatives of C-C and C-C polyprenol homologs. <b>2016</b> , 15, 175		180
	Antibacterial, cytotoxic and genotoxic activity of nitrogenated and haloid derivatives of C-C and C-C		
147	Antibacterial, cytotoxic and genotoxic activity of nitrogenated and haloid derivatives of C-C and C-C polyprenol homologs. <b>2016</b> , 15, 175  Synthesis and characterization of crosslinked polyisothiouronium methylstyrene nanoparticles of		6
147 146	Antibacterial, cytotoxic and genotoxic activity of nitrogenated and haloid derivatives of C-C and C-C polyprenol homologs. <b>2016</b> , 15, 175  Synthesis and characterization of crosslinked polyisothiouronium methylstyrene nanoparticles of narrow size distribution for antibacterial and antibiofilm applications. <b>2016</b> , 14, 56		6 7
147 146 145	Antibacterial, cytotoxic and genotoxic activity of nitrogenated and haloid derivatives of C-C and C-C polyprenol homologs. <b>2016</b> , 15, 175  Synthesis and characterization of crosslinked polyisothiouronium methylstyrene nanoparticles of narrow size distribution for antibacterial and antibiofilm applications. <b>2016</b> , 14, 56  Durable antimicrobial cotton fabrics treated with a novel N-halamine compound. <b>2016</b> , 17, 2035-2040		6 7 17
147 146 145	Antibacterial, cytotoxic and genotoxic activity of nitrogenated and haloid derivatives of C-C and C-C polyprenol homologs. 2016, 15, 175  Synthesis and characterization of crosslinked polyisothiouronium methylstyrene nanoparticles of narrow size distribution for antibacterial and antibiofilm applications. 2016, 14, 56  Durable antimicrobial cotton fabrics treated with a novel N-halamine compound. 2016, 17, 2035-2040  Novel biocidal polymers based on branched and linear poly(hydroxystyrene). 2016, 65, 712-719  Cheap Synthesis, Characterization and Antibacterial Efficacy of New		6 7 17
147 146 145 144	Antibacterial, cytotoxic and genotoxic activity of nitrogenated and haloid derivatives of C-C and C-C polyprenol homologs. 2016, 15, 175  Synthesis and characterization of crosslinked polyisothiouronium methylstyrene nanoparticles of narrow size distribution for antibacterial and antibiofilm applications. 2016, 14, 56  Durable antimicrobial cotton fabrics treated with a novel N-halamine compound. 2016, 17, 2035-2040  Novel biocidal polymers based on branched and linear poly(hydroxystyrene). 2016, 65, 712-719  Cheap Synthesis, Characterization and Antibacterial Efficacy of New Copoly(o-Nitroaniline-co-o-Phenylenediamine) Emeraldine Base/Bentonite Composites. 2016, 26, 691-701  Construction of antibacterial layer on polyvinylchloride three-channel hollow fiber membranes.		6 7 17 1

139	HPHT synthesis of N⊞ co-doped diamond single crystals. <b>2016</b> , 436, 34-39		22
138	Characterization and Mechanism for the Protection of Photolytic Decomposition of N-Halamine Siloxane Coatings by Titanium Dioxide. <b>2016</b> , 8, 3516-23		31
137	Thiolane grafting from polylactic acid, polycaprolactone, and polyhydroxybutyrate. <i>Reactive and Functional Polymers</i> , <b>2016</b> , 101, 82-89	6	6
136	Dual antibacterial functional regenerated cellulose fibers. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	9	19
135	Assessing the Biocidal Activity and Investigating the Mechanism of Oligo-p-phenylene-ethynylenes. <b>2017</b> , 9, 7964-7971		16
134	Novel bioactive imidazole-containing polymeric surfactants as petroleum-collecting and dispersing agents: Synthesis and surface-active properties. <b>2017</b> , 236, 376-384		14
133	Quaternary ammonium salts substituted by 5-phenyl-1,3,4-oxadiazole-2-thiol as novel antibacterial agents with low cytotoxicity. <b>2017</b> , 90, 943-952		9
132	Physicochemical and antimicrobial activities of cationic gemini surfactants with polyether siloxane linked group. <b>2017</b> , 242, 8-15		20
131	Radiation-Induced Acrylamide/4-Vinyl Pyridine Biocidal Hydrogels: Synthesis, Characterization, and Antimicrobial Activities. <b>2017</b> , 56, 1295-1306		5
130	Multifunctional methacrylate-based coatings for glass and metal surfaces. <b>2017</b> , 399, 205-214		13
129	Synthesis of imidazolium-containing mono-methacrylates as polymerizable antibacterial agents for acrylic bone cements. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2017</b> , 74, 176-182	1	11
128	Antimicrobial 3D Porous Scaffolds Prepared by Additive Manufacturing and Breath Figures. <b>2017</b> , 9, 37454	1-374	462
127	Antibacterial glass-ionomer cement restorative materials: A critical review on the current status of extended release formulations. <b>2017</b> , 262, 317-328		82
126	Antibacterial and biocompatible ABA-triblock copolymers containing perfluoropolyether and plant-based cardanol for versatile coating applications. <i>RSC Advances</i> , <b>2017</b> , 7, 38091-38099	7	7
125	Low density polyethylene functionalized with antibiofilm compounds inhibits Escherichia coli cell adhesion. <b>2017</b> , 105, 3251-3261		5
124	Bactericidal Specificity and Resistance Profile of Poly(Quaternary Ammonium) Polymers and Protein-Poly(Quaternary Ammonium) Conjugates. <i>Biomacromolecules</i> , <b>2017</b> , 18, 2583-2593	9	31
123	Robust liquid-repellent coatings based on polymer nanoparticles with excellent self-cleaning and antibacterial performances. <b>2017</b> , 5, 275-284		85
122	Ecological and Sustainable Natural Dyes. <b>2017</b> , 1-41		7

121	Effects of incorporated imine functionality and dispersed nano zinc oxide particles on antimicrobial activity synthesized by RAFT polymerization. <b>2017</b> , 74, 1421-1439	3
120	Influence of addition of [2-(methacryloyloxy)ethyl]trimethylammonium chloride to an experimental adhesive. <b>2017</b> , 31, e31	5
119	Evaluation of biological properties and fate in the environment of a new class of biosurfactants. <b>2018</b> , 200, 561-568	5
118	Antibacterial quaternary ammonium compounds in dental materials: A systematic review. <b>2018</b> , 34, 851-867	148
117	Polyurea-crosslinked cationic acrylate copolymer for antibacterial coating. 2018, 549, 122-129	16
116	Antibacterial poly{(4-vinyl phenylboronic acid)-co-[2-(dimethylamino)ethyl methacrylate]} copolymers and their application in water-based paints. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 2.9 135, 46245	7
115	Tuning the associative properties and micelles geometry by stepwise quaternization of PDMAEMA. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 124, 171-180  4.6	7
114	Durably Antibacterial and Bacterially Antiadhesive Cotton Fabrics Coated by Cationic Fluorinated Polymers. <b>2018</b> , 10, 6124-6136	257
113	Antibacterial modification of PET with quaternary ammonium salt and silver particles via electron-beam irradiation. <b>2018</b> , 85, 123-129	36
112	Construction of a quaternary ammonium salt platform with different alkyl groups for antibacterial and biosensor applications <i>RSC Advances</i> , <b>2018</b> , 8, 2941-2949	30
111	Two heptacoordinated manganese(II) complexes of giant pentadentate s -triazine bis -Schiff base ligand: Synthesis, crystal structure, biological and DFT studies. <b>2018</b> , 479, 275-285	16
110	Optical, dielectric, and mechanical properties of exfoliated poly(N,N-dimethylaminoethyl methacrylate)/Clay nanocomposites prepared via In-situ bulk polymerization. <b>2018</b> , 39, 2603-2610	7
109	Fabrication of denture base materials with antimicrobial properties. 2018, 119, 292-298	13
108	Synthesis and characterization of poly(2-aminothiophenol-co-2-methylaniline)/silver nanoparticles as antisulfate-reducing bacteria. <b>2018</b> , 67, 501-508	7
107	Antimicrobial cationic polymers: from structural design to functional control. <b>2018</b> , 50, 33-44	133
106	Poly(N,N-dimethylamino)ethyl methacrylate/sodium alginate multilayers and their interaction with proteins/enzymes. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 1584-1590	10
105	Preparation of antimicrobial wound dressings via thiolane photopolymerization reaction. <b>2018</b> , 53, 1581-1595	19
104	Synthesis, physiochemical property and antimicrobial activity of novel quaternary ammonium salts. <b>2018</b> , 33, 98-105	26

103	Mitigation of the corrosion-causing Desulfovibrio desulfuricans biofilm using an organic silicon quaternary ammonium salt in alkaline media simulated concrete pore solutions. <b>2018</b> , 34, 1121-1137		6
102	Synthesis and Antifungal Activities of Amphiphilic PDMSQPDMAEMA Copolymers on <b>2018</b> , 1, 2062-207	72	6
101	Facile and Versatile Modification of Cotton Fibers for Persistent Antibacterial Activity and Enhanced Hygroscopicity. <b>2018</b> , 10, 38506-38516		49
100	Conductive nanofinishes for textiles. <b>2018</b> , 241-263		
99	Removal of trace copper from simulated nickel electrolytes using a new chelating resin. <b>2018</b> , 180, 121-13	31	17
98	Antimicrobial Monomers for Polymeric Dental Restoratives: Cytotoxicity and Physicochemical Properties. <i>Journal of Functional Biomaterials</i> , <b>2018</b> , 9,	8	8
97	Surface modification of polyurethane with a hydrophilic, antibacterial polymer for improved antifouling and antibacterial function. <b>2018</b> , 33, 340-351		13
96	Synthesis and characterization of novel polymerizable bis-quaternary ammonium dimethacrylate monomers with antibacterial activity as an efficient adhesive system for dental restoration. <b>2019</b> , 76, 1295-1315		10
95	A novel gold nanorods-based pH-sensitive thiol-ended triblock copolymer for chemo-photothermo therapy of cancer cells. <b>2019</b> , 30, 12-33		8
94	Antimicrobial and anti-quorum-sensing properties and paint film usage of novel diazaborine-based copolymers. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 46907	.9	8
93	Increasing the Antimicrobial Activity of Amphiphilic Cationic Copolymers by the Facile Synthesis of High Molecular Weight Stars by Supplemental Activator and Reducing Agent Atom Transfer Radical Polymerization. <i>Biomacromolecules</i> , <b>2019</b> , 20, 1146-1156	.9	25
92	Facile polyacrylamide graft based on poly (2-chloroaniline) silver nano-composites as antimicrobial. <b>2019</b> , 68, 278-286		2
91	Antibacterial performance of polymer quaternary ammonium salt-capped silver nanoparticles on in water <i>RSC Advances</i> , <b>2019</b> , 9, 25667-25676	·7	7
90	Synthesis and antibacterial activity of emodin and its derivatives against methicillin-resistant Staphylococcus aureus. <b>2019</b> , 60, 151004		8
89	Antibacterial Cotton Fabrics Coated by Biodegradable Cationic Silicone Softeners. <b>2019</b> , 22, 1429-1443		4
88	Fabrication of Organic Probe Decorated Water-Soluble Polymer Chains on Natural Fibers for Selective Detection and Efficient Removal of Hg2+ Ions in Pure Aqueous Media. <b>2019</b> , 1, 2680-2691		4
87	Cationic Poly([R]-3-hydroxybutyrate) Copolymers as Antimicrobial Agents. <b>2019</b> , 19, e1800466		9
86	Quaternized Amphiphilic Block Copolymers/Graphene Oxide and a Poly(vinyl alcohol) Coating Layer on Graphene Oxide/Poly(vinylidene fluoride) Electrospun Nanofibers for Superhydrophilic and Antibacterial Properties. <b>2019</b> , 9, 383		19

85	Degradable Supramolecular Photodynamic Polymer Materials for Biofilm Elimination <b>2019</b> , 2, 2920-292	6	16
84	Quaternary Ammonium Compounds: Simple in Structure, Complex in Application. <b>2019</b> , 377, 14		35
83	Synthesis, Structure Elucidation and Antimicrobial Properties of New Bis-1,3,4-Oxadiazole Derivatives. <b>2019</b> , 53, 150-154		4
82	Effect of hydroxyapatite morphology and quaternary ammonium polymer co-inclusion on bond strength, cytotoxicity, and cell morphology of self-etching adhesive. <b>2019</b> , 92, 7-15		3
81	One-pot synthesis of bio-functionally water-soluble POSS derivatives via efficient click chemistry methodology. <i>Reactive and Functional Polymers</i> , <b>2019</b> , 140, 103-110	4.6	9
80	Antimicrobial Thiol-ene-acrylate Photosensitive Resins for DLP 3D Printing. <b>2019</b> , 95, 1219-1229		18
79	Ionic Liquid-Stabilized Titania Quantum Dots Applied in Adhesive Resin. <b>2019</b> , 98, 682-688		21
78	Synthesis and Antibacterial Activities of Boronic Acid-Based Recyclable Spherical Polymer Brushes. <b>2019</b> , 27, 640-648		1
77	Developing a novel antibacterial dental resin composite with improved properties. <b>2019</b> , 53, 3085-3092		7
76	An improved dental composite with potent antibacterial function. <b>2019</b> , 31, 367-374		4
75	Antibacterial surface based on new epoxy-amine networks from ionic liquid monomers. <i>European Polymer Journal</i> , <b>2019</b> , 116, 56-64	5.2	10
74	Production of Medical Grade Silicone for Facial Prosthesis with Bactericidal Properties from the Inclusion of Poly (Diallyldimethylammonium Chloride): An in Vitro Study. <b>2019</b> , 19, 1-6		O
73	Novel Bioactive and Therapeutic Dental Polymeric Materials to Inhibit Periodontal Pathogens and Biofilms. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	28
72	Design of multifunctionalized piperazine polymer and its activity toward pathogenic microorganisms. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47521	2.9	13
71	Synthesis and characterization of biocompatible copolymers containing plant-based cardanol and zwitterionic groups for antifouling and bactericidal coating applications. <i>European Polymer Journal</i> , <b>2019</b> , 112, 688-695	5.2	8
70	Synthesis, Surface Properties, and Antibacterial Activity of Novel Ester-Containing Cationic Silicone Surfactants and Their Utilization as Fabric-Finishing Agents. <b>2019</b> , 22, 285-299		4
69	Size and shape affects the antimicrobial activity of quaternized nanoparticles. 2019, 57, 255-259		20
68	Synthesis and micellar characterization of novel pH-sensitive thiol-ended triblock copolymer via combination of RAFT and ROP processes. <b>2019</b> , 68, 297-307		7

# (2020-2020)

67	Preparation, characterization, and antibacterial activity of cationic nanopolystyrenes. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48405	2.9	4
66	Core-crosslinking as a pathway to develop inherently antibacterial polymeric micelles. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48393	2.9	3
65	Quasi-block copolymer design of quaternized derivatives of poly(2-(dimethylamino)ethyl methacrylate): Investigations on thermo-induced self-assembly. <i>European Polymer Journal</i> , <b>2020</b> , 124, 109457	5.2	11
64	Physicochemical, Mechanical, and Antimicrobial Properties of Novel Dental Polymers Containing Quaternary Ammonium and Trimethoxysilyl Functionalities. <i>Journal of Functional Biomaterials</i> , <b>2019</b> , 11,	4.8	4
63	Hydrophilic polymer-based anti-biofouling coatings: Preparation, mechanism, and durability. <i>Advances in Colloid and Interface Science</i> , <b>2020</b> , 284, 102264	14.3	11
62	Fabrication of facile polymeric nanocomposites based on chitosan-gr-P2-aminothiophenol for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 2649-2659	7.9	6
61	Synthesis of bioactive polyanilinepolyacrylic acid copolymer nanofibrils as an effective antibacterial and anticancer agent in cancer therapy, especially for HT29 treatment <i>RSC Advances</i> , <b>2020</b> , 10, 25290-25304	3.7	5
60	Screening and Matching Amphiphilic Cationic Polymers for Efficient Antibiosis. <i>Biomacromolecules</i> , <b>2020</b> , 21, 5269-5281	6.9	15
59	Use of Protein Repellents to Enhance the Antimicrobial Functionality of Quaternary Ammonium Containing Dental Materials. <i>Journal of Functional Biomaterials</i> , <b>2020</b> , 11,	4.8	1
58	Antifungal Activity of Morpholine and Piperidine Based Surfactants. <i>Tenside, Surfactants, Detergents</i> , <b>2020</b> , 57, 104-108	1	1
57	Biodegradable Polymeric Micro/Nano-Structures with Intrinsic Antifouling/Antimicrobial Properties: Relevance in Damaged Skin and Other Biomedical Applications. <i>Journal of Functional Biomaterials</i> , <b>2020</b> , 11,	4.8	22
56	Hydroxyl Radical Generation Through the Fenton-Like Reaction of Hematin- and Catechol-Functionalized Microgels. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 8182-8194	9.6	12
55	Deciphering the 3D Microstructures of a Doubly Charged Homopolymer through a Complementary Correlation of Monomer Crystallography and Polymer Powder X-ray Diffraction. <i>Macromolecules</i> , <b>2020</b> , 53, 6529-6537	5.5	1
54	Cationic polyelectrolyte grafted mesoporous magnetic silica composite particles for targeted drug delivery and thrombolysis. <i>Materialia</i> , <b>2020</b> , 11, 100676	3.2	8
53	Antibacterial and Degradable Thioimidazolium Poly(ionic liquid). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 8419-8424	8.3	7
52	A novel eco-friendly imidazole ionic liquids based amphoteric polymers for high performance fatliquoring in chromium-free tanned leather production. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 123048	12.8	15
51	Fibrous Materials for Antimicrobial Applications. <b>2020</b> , 927-951		2
50	Improved permeability and biofouling resistance of microfiltration membranes via quaternary ammonium and zwitterion dual-functionalized diblock copolymers. <i>European Polymer Journal</i> , <b>2020</b> , 135, 109883	5.2	3

49	Polyurethane surface modified with a hydrophilic polymer containing quaternary ammonium bromide. <i>Emergent Materials</i> , <b>2020</b> , 3, 637-648	3.5	
48	Myristyltrimethylammonium Bromide (MYTAB) as a Cationic Surface Agent to Inhibit Grown over Dental Resins: An In Vitro Study. <i>Journal of Functional Biomaterials</i> , <b>2020</b> , 11,	4.8	8
47	Lipid-Based Antimicrobial Delivery-Systems for the Treatment of Bacterial Infections. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 872	5	55
46	Synthesis, crystal structure, DFT and biological activity of E-pyrene-1-carbaldehyde oxime and E-2-naphthaldehyde oxime. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1207, 127848	3.4	4
45	One-pot quaternization of dual-responsive poly(vinyl alcohol) with AIEgens for pH-switchable imaging and killing of bacteria. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2635-2645	7.8	7
44	Synthetic Polypeptide Polymers as Simplified Analogues of Antimicrobial Peptides. <i>Biomacromolecules</i> , <b>2021</b> , 22, 57-75	6.9	28
43	Polymeric antibacterial materials: design, platforms and applications. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 2802-2815	7.3	21
42	Preparation, Properties, and Microbial Impact of Tungsten (VI) Oxide and Zinc (II) Oxide Nanoparticles Enriched Polyethylene Sebacate Nanocomposites. <i>Polymers</i> , <b>2021</b> , 13,	4.5	O
41	Enhanced Antimould Action of Surface Modified Copper Oxide Nanoparticles with Phenylboronic Acid Surface Functionality. <i>Biomimetics</i> , <b>2021</b> , 6,	3.7	2
40	Liposome as a delivery system for the treatment of biofilm-mediated infections. <i>Journal of Applied Microbiology</i> , <b>2021</b> , 131, 2626-2639	4.7	17
39	New Functionalized Macroparticles for Environmentally Sustainable Biofilm Control in Water Systems. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	1
38	Polymeric surfaces with biocidal action: challenges imposed by the SARS-CoV-2, technologies employed, and future perspectives. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	1
37	Quaternary Ammonium Compounds (QACs) and Ionic Liquids (ILs) as Biocides: From Simple Antiseptics to Tunable Antimicrobials. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	31
36	Development of di-methacrylate quaternary ammonium monomers with antibacterial activity. <i>Acta Biomaterialia</i> , <b>2021</b> , 129, 138-147	10.8	6
35	Amphiphilic copolymers of dimethyl aminoethyl methacrylate and methyl methacrylate with controlled hydrophilicity for antialgal activity. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 51578	2.9	О
34	High-performance antibacterial film via synergistic effect between uniformly dispersed TiO2 nanoparticles and multifunctional quaternary ammonium cationic ligand. <i>Progress in Organic Coatings</i> , <b>2021</b> , 157, 106322	4.8	4
33	Anew Synthetic Polymers Based on Polyaniline for Dual-Functional Applications: Photoelectrochemical Water Splitting and Antibacterial Activities. <i>ACS Omega</i> , <b>2021</b> , 6, 20779-20789	3.9	1
32	Improved hydrophilic and antifouling performance of nanocomposite ultrafiltration zwitterionic polyphenylsulfone membrane for protein rejection applications. <i>Journal of Nanostructure in Chemistry</i> , 1	7.6	Ο

### (2021-2021)

31	Preparation of bactericidal surfaces with high quaternary ammonium content through photo-initiated polymerization of N-[2-(acryloyloxy)ethyl]-N,N-dimethyl-N-butylammonium iodide from native and thiolated PDMS surfaces. <i>Reactive and Functional Polymers</i> , <b>2021</b> , 165, 104941	4.6	1
30	Synthesis and characterization of chitosan/polyacrylamide hydrogel grafted poly(N-methylaniline) for methyl red removal. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 187, 240-250	7.9	3
29	Antibacterial Amphiphilic Copolymers of Dimethylamino Ethyl Methacrylate and Methyl Methacrylate to Control Biofilm Adhesion for Antifouling Applications. <i>Polymers</i> , <b>2021</b> , 13,	4.5	6
28	Synthesis of quaternary piperazine methacrylate homopolymers and their antibiofilm and anti-quorum sensing effects on pathogenic bacteria. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 5046	5 <mark>2</mark> .9	5
27	Guanidine hydrochloride polymer additive to undertake ultraconservative resin infiltrant against Streptococcus mutans. <i>European Polymer Journal</i> , <b>2020</b> , 133, 109746	5.2	5
26	Designing Hydrogel-Modified Cellulose Triacetate Membranes with High Flux and Solute Selectivity for Forward Osmosis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 20845-20853	3.9	2
25	CHAPTER 5:Antibacterial Polymers. RSC Polymer Chemistry Series, 2016, 90-107	1.3	1
24	Antimicrobial Applications. 315-329		1
23	Attachment of Silver Nanoparticles to the Wool Fiber Using Glycidyltrimethylammonium Chloride(GTAC). <i>Textile Coloration and Finishing</i> , <b>2016</b> , 28, 70-76		1
22	Poly[2-(dimethylamino)ethyl methacrylateethylene dimethacrylate]nanogel by dispersion polymerization for inhibition of pathogenic bacteria <i>RSC Advances</i> , <b>2021</b> , 11, 33461-33470	3.7	2
21	PREPARATION AND ANTIBACTERIAL FUNCTION OF PE FILMSCO-GRAFTED WITH DMAE-BC AND NIPAAm. <i>Acta Polymerica Sinica</i> , <b>2009</b> , 009, 187-190		
20	Preparation and evaluation of a novel antibacterial glass-ionomer cement. <i>Journal of Biomedical Science and Engineering</i> , <b>2013</b> , 06, 1117-1128	0.7	
19	Resinas polim <b>ū</b> icas reticuladas com a <b>ū</b> biocida: atual estado da arte. <i>Polimeros</i> , <b>2015</b> , 25, 414-423	1.6	1
18	Synthesis and Antimicrobial Evaluation of Symmetrical Diquaternary Ammonium Salts Bearing Bis-1,3,4-Oxadiazole Rings Moieties. <i>Chemistry Journal of Moldova</i> , <b>2016</b> , 11, 55-60	0.9	
17	Hyperbranched Polyamidoamine Surfactants: Synthesis, Characterization and Evaluation as Biocides. <i>Tenside, Surfactants, Detergents</i> , <b>2018</b> , 55, 455-466	1	1
16	Host Defense Peptide-Mimicking Polymers and Polymeric-Brush-Tethered Host Defense Peptides: Recent Developments, Limitations, and Potential Success. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	1
15	Affordable Pretreatment Strategy for Mitigation of Biofouling in Drinking-Water Systems. <i>Journal of Environmental Engineering, ASCE</i> , <b>2022</b> , 148,	2	0
14	Recent advances in development of poly (dimethylaminoethyl metacrylate) antimicrobial polymers. <i>European Polymer Journal</i> , <b>2021</b> , 163, 110930	5.2	1

13	Synthesis, monomer reactivity ratios and antibacterial activity of 2-hydroxy ethyl methacrylate and 2-(Diethylamino) ethyl methacrylate copolymers. <i>Journal of Polymer Research</i> , <b>2022</b> , 29, 1	2.7		
12	Rare-earth ions as antibacterial agents for woven wool fabric Chemical Papers, 2022, 1-11	1.9	О	
11	Synthesis of polymerizable quaternary thiazole salts and their application as antibacterial agents for dental resin <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2022</b> , 130, 105183	4.1	О	
10	Synthesis and Characterization of High Viscosity Cationic Poly(Proline-Epichlorohydrin) Composite Polymer with Antibacterial Functionalities. <i>Polymers</i> , <b>2022</b> , 14, 2797	4.5		
9	Ionic Liquids: A Versatile Platform for the Design of a Multifunctional Epoxy Networks 2.0 Generation. <i>Progress in Polymer Science</i> , <b>2022</b> , 132, 101581	29.6	1	
8	Antibacterial dental resin composites (DRCs) with synthesized bis-quaternary ammonium monomethacrylates as antibacterial agents. <b>2022</b> , 135, 105487		1	
7	Photochemically Driven Polymeric Biocompatible and Antimicrobial ThiolAcrylate Nanocomposite Suitable for Dental Restoration.		0	
6	Study of the Effectiveness of Alumina and HDTMA/Alumina Composite in the Removal of Para-Nitrophenol and the Deactivation of Bacterial Effect of Listeria monocytogenes and Salmonella spp <b>2022</b> , 12, 1700		О	
5	A 2.75 V ammonium-based dual-ion battery.		1	
4	A 2.75 V ammonium-based dual-ion battery.		О	
3	The effect of disinfectants and antiseptics on co- and cross-selection of resistance to antibiotics in aquatic environments and wastewater treatment plants. 13,		О	
2	Physicochemical Properties of Novel Copolymers of Quaternary Ammonium UDMA Analogues, Bis-GMA, and TEGDMA. <b>2023</b> , 24, 1400		О	
1	Quaternized Poly(N,N?-dimethylaminoethyl methacrylate) Star Nanostructures in the Solution and		0	