

Greg G Qiao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8508382/greg-g-qiao-publications-by-citations.pdf>

Version: 2024-04-25

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

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

308
papers

12,103
citations

55
h-index

94
g-index

325
ext. papers

13,794
ext. citations

7.8
avg, IF

6.8
L-index

#	Paper	IF	Citations
308	Polymeric CO ₂ /N ₂ gas separation membranes for the capture of carbon dioxide from power plant flue gases. <i>Journal of Membrane Science</i> , 2006 , 279, 1-49	9.6	630
307	Star Polymers. <i>Chemical Reviews</i> , 2016 , 116, 6743-836	68.1	494
306	Combating multidrug-resistant Gram-negative bacteria with structurally nanoengineered antimicrobial peptide polymers. <i>Nature Microbiology</i> , 2016 , 1, 16162	26.6	440
305	Core cross-linked star polymers via controlled radical polymerisation. <i>Polymer</i> , 2009 , 50, 5-32	3.9	358
304	Cancer Treatment through Nanoparticle-Facilitated Fenton Reaction. <i>ACS Nano</i> , 2018 , 12, 11819-11837	16.7	299
303	Some aspects of the properties and degradation of polyacrylamides. <i>Chemical Reviews</i> , 2002 , 102, 3067-88.1	88.1	283
302	Visible Light Mediated Controlled Radical Polymerization in the Absence of Exogenous Radical Sources or Catalysts. <i>Macromolecules</i> , 2015 , 48, 3864-3872	5.5	211
301	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. <i>Advanced Science</i> , 2016 , 3, 1500394	13.6	189
300	Nucleic acid aptamer-guided cancer therapeutics and diagnostics: the next generation of cancer medicine. <i>Theranostics</i> , 2015 , 5, 23-42	12.1	153
299	Antimicrobial polymeric nanoparticles. <i>Progress in Polymer Science</i> , 2018 , 76, 40-64	29.6	147
298	Preparation of Porous Poly(dimethylsiloxane)-Based Honeycomb Materials with Hierarchical Surface Features and Their Use as Soft-Lithography Templates. <i>Advanced Materials</i> , 2006 , 18, 3024-3028	24	131
297	Cyclodextrin-based supramolecular assemblies and hydrogels: recent advances and future perspectives. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1166-84	4.8	126
296	Recent progress on fabrication methods of polymeric thin film gas separation membranes for CO ₂ capture. <i>Journal of Membrane Science</i> , 2019 , 572, 38-60	9.6	115
295	pH-Responsive Poly(acrylic acid) Core Cross-Linked Star Polymers: Morphology Transitions in Solution and Multilayer Thin Films. <i>Macromolecules</i> , 2008 , 41, 2620-2626	5.5	111
294	Water vapor permeation in polyimide membranes. <i>Journal of Membrane Science</i> , 2011 , 379, 479-487	9.6	110
293	Rational Design of Single-Chain Polymeric Nanoparticles That Kill Planktonic and Biofilm Bacteria. <i>ACS Infectious Diseases</i> , 2017 , 3, 237-248	5.5	109
292	Reversible diamine cross-linking of polyimide membranes. <i>Journal of Membrane Science</i> , 2007 , 291, 199-209	209	109

291	Selectively Degradable Core Cross-Linked Star Polymers. <i>Macromolecules</i> , 2006 , 39, 9018-9027	5.5	108
290	MOF-Mediated Destruction of Cancer Using the Cell's Own Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33599-33608	9.5	107
289	Chemical modification of gelatin by a natural phenolic cross-linker, tannic acid. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 6809-15	5.7	105
288	Operating temperature effects on the plasticization of polyimide gas separation membranes. <i>Journal of Membrane Science</i> , 2007 , 294, 40-49	9.6	105
287	Sono-RAFT Polymerization in Aqueous Medium. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12302-12306	16.4	100
286	Folic acid conjugated amino acid-based star polymers for active targeting of cancer cells. <i>Biomacromolecules</i> , 2011 , 12, 3469-77	6.9	100
285	The interrelationship between surface chemistry and rheology in alkali activated slag paste. <i>Construction and Building Materials</i> , 2014 , 65, 583-591	6.7	99
284	Chemical cross-linking gelatin with natural phenolic compounds as studied by high-resolution NMR spectroscopy. <i>Biomacromolecules</i> , 2010 , 11, 1125-32	6.9	98
283	Nitrile imines: matrix isolation, IR spectra, structures, and rearrangement to carbodiimides. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5339-50	16.4	97
282	Recent Advances in Star Polymer Design: Degradability and the Potential for Drug Delivery. <i>Australian Journal of Chemistry</i> , 2007 , 60, 699	1.2	94
281	Trithiocarbonates as intrinsic photoredox catalysts and RAFT agents for oxygen tolerant controlled radical polymerization. <i>Polymer Chemistry</i> , 2017 , 8, 1519-1526	4.9	93
280	Continuous assembly of a polymer on a metalorganic framework (CAP on MOF): a 30 nm thick polymeric gas separation membrane. <i>Energy and Environmental Science</i> , 2018 , 11, 544-550	35.4	93
279	Ultrathin chitosan-poly(ethylene glycol) hydrogel films for corneal tissue engineering. <i>Acta Biomaterialia</i> , 2013 , 9, 6594-605	10.8	92
278	Dramatic Morphology Control in the Fabrication of Porous Polymer Films. <i>Advanced Functional Materials</i> , 2008 , 18, 3706-3714	15.6	85
277	Investigation into the photolytic stability of RAFT agents and the implications for photopolymerization reactions. <i>Polymer Chemistry</i> , 2016 , 7, 4246-4253	4.9	84
276	Development of a Robust PET-RAFT Polymerization Using Graphitic Carbon Nitride (g-C ₃ N ₄). <i>Macromolecules</i> , 2017 , 50, 7509-7516	5.5	84
275	Fabrication of Reversibly Crosslinkable, 3-Dimensionally Conformal Polymeric Microstructures. <i>Advanced Functional Materials</i> , 2008 , 18, 3315-3322	15.6	84
274	Degradation on polyacrylamides. Part I. Linear polyacrylamide. <i>Polymer</i> , 2003 , 44, 1331-1337	3.9	83

273	The role of capsule stiffness on cellular processing. <i>Chemical Science</i> , 2015 , 6, 3505-3514	9.4	82
272	Controlled Formation of Star Polymer Nanoparticles via Visible Light Photopolymerization. <i>ACS Macro Letters</i> , 2015 , 4, 1012-1016	6.6	82
271	Patterning on nonplanar substrates: flexible honeycomb films from a range of self-assembling star copolymers. <i>Langmuir</i> , 2008 , 24, 556-62	4	78
270	A novel cross-linked nano-coating for carbon dioxide capture. <i>Energy and Environmental Science</i> , 2016 , 9, 434-440	35.4	75
269	Ultrasound and Sonochemistry for Radical Polymerization: Sound Synthesis. <i>Chemistry - A European Journal</i> , 2019 , 25, 5372-5388	4.8	73
268	Ring opening polymerization of amino acids: advances in synthesis, architecture and applications of polypeptides and their hybrids. <i>Chemical Society Reviews</i> , 2020 , 49, 4737-4834	58.5	72
267	Combined Fenton and starvation therapies using hemoglobin and glucose oxidase. <i>Nanoscale</i> , 2019 , 11, 5705-5716	7.7	70
266	Two-dimensional nanosheet-based gas separation membranes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23169-23196	13	70
265	Ultrathin Metal-Organic Framework Nanosheets as a Gutter Layer for Flexible Composite Gas Separation Membranes. <i>ACS Nano</i> , 2018 , 12, 11591-11599	16.7	68
264	Degradable Core Cross-Linked Star Polymers via Ring-Opening Polymerization. <i>Macromolecules</i> , 2006 , 39, 4282-4285	5.5	67
263	Star polymers composed entirely of amino acid building blocks: a route towards stereospecific, biodegradable and hierarchically functionalized stars. <i>Chemical Communications</i> , 2011 , 47, 1151-3	5.8	63
262	CO ₂ separation using surface-functionalized SiO ₂ nanoparticles incorporated ultra-thin film composite mixed matrix membranes for post-combustion carbon capture. <i>Journal of Membrane Science</i> , 2016 , 515, 54-62	9.6	63
261	Synthesis of well dispersed polymer grafted metal-organic framework nanoparticles. <i>Chemical Communications</i> , 2015 , 51, 15566-9	5.8	62
260	Solid-liquid separations with a temperature-responsive polymeric flocculant: effect of temperature and molecular weight on polymer adsorption and deposition. <i>Journal of Colloid and Interface Science</i> , 2010 , 348, 9-23	9.3	62
259	Studies on microgels. 5. Synthesis of microgels via living free radical polymerisation. <i>Polymer</i> , 2001 , 42, 5987-5991	3.9	61
258	Soft polymeric nanoparticle additives for next generation gas separation membranes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4999	13	60
257	Synthesis of Dendron Functionalized Core Cross-linked Star Polymers. <i>Macromolecules</i> , 2007 , 40, 7855-7863	9.5	60
256	Increasing both selectivity and permeability of mixed-matrix membranes: Sealing the external surface of porous MOF nanoparticles. <i>Journal of Membrane Science</i> , 2017 , 535, 350-356	9.6	58

255	Honeycomb coated particles: porous doughnuts, golf balls and hollow porous pockets. <i>Soft Matter</i> , 2007 , 3, 837-839	3.6	58
254	Development of functional amino acid-based star polymers. <i>Polymer Chemistry</i> , 2012 , 3, 224-234	4.9	56
253	Tertiary amine catalyzed photo-induced controlled radical polymerization of methacrylates. <i>Polymer Chemistry</i> , 2015 , 6, 5362-5368	4.9	55
252	Progress and Perspectives Beyond Traditional RAFT Polymerization. <i>Advanced Science</i> , 2020 , 7, 2001656	13.6	55
251	Modelling the yield stress of ternary cement-fly ash pastes based on particle size distribution. <i>Powder Technology</i> , 2014 , 266, 203-209	5.2	53
250	Reactivity of Ketenes in Matrices. Direct Observation of Ketene-Pyridine Ylides. <i>Journal of the American Chemical Society</i> , 1996 , 118, 5634-5638	16.4	53
249	Controlling carbon microporosity: the structure of carbons obtained from different phenolic resin precursors. <i>Carbon</i> , 2002 , 40, 743-749	10.4	52
248	Integrin Clustering Matters: A Review of Biomaterials Functionalized with Multivalent Integrin-Binding Ligands to Improve Cell Adhesion, Migration, Differentiation, Angiogenesis, and Biomedical Device Integration. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701324	10.1	51
247	Development of novel fluorinated additives for high performance CO ₂ separation thin-film composite membranes. <i>Journal of Membrane Science</i> , 2016 , 499, 191-200	9.6	51
246	Epoxy-amine synthesised hydrogel scaffolds for soft-tissue engineering. <i>Biomaterials</i> , 2010 , 31, 6454-67	15.6	51
245	Bionano Interaction Study on Antimicrobial Star-Shaped Peptide Polymer Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33446-33456	9.5	50
244	Polypeptide films via N-carboxyanhydride ring-opening polymerization (NCA-ROP): past, present and future. <i>Chemical Communications</i> , 2014 , 50, 4971-88	5.8	50
243	Stereospecific cyclic poly(methyl methacrylate) and its topology- guided hierarchically controlled supramolecular assemblies. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 459-64	16.4	50
242	Highly permeable membrane materials for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13769	13	50
241	Rheology of core cross-linked star polymers. <i>Polymer</i> , 2008 , 49, 5095-5104	3.9	50
240	Biodegradable and biocompatible poly(ethylene glycol)-based hydrogel films for the regeneration of corneal endothelium. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1496-507	10.1	49
239	Temperature responsive flocculation and solid-liquid separations with charged random copolymers of poly(N-isopropyl acrylamide). <i>Journal of Colloid and Interface Science</i> , 2011 , 360, 61-70	9.3	49
238	Photochromic, metal-absorbing honeycomb structures. <i>Langmuir</i> , 2010 , 26, 10397-400	4	48

237	Ultra-thin film composite mixed matrix membranes incorporating iron(III)-dopamine nanoparticles for CO ₂ separation. <i>Nanoscale</i> , 2016 , 8, 8312-23	7.7	47
236	Biocompatible Single-Chain Polymeric Nanoparticles via Organo-Catalyzed Ring-Opening Polymerization.. <i>ACS Macro Letters</i> , 2014 , 3, 524-528	6.6	47
235	Synthesis of Core Cross-Linked Star Polymers with Adjustable Coronal Properties. <i>Macromolecules</i> , 2008 , 41, 623-631	5.5	47
234	Controlled Formation of Microheterogeneous Polymer Networks: Influence of Monomer Reactivity on Gel Structure. <i>Macromolecules</i> , 2001 , 34, 6396-6401	5.5	47
233	Nanobubble formation on a warmer substrate. <i>Soft Matter</i> , 2014 , 10, 7857-64	3.6	46
232	Degradable star polymers with high click functionality. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 1485-1498	2.5	45
231	Oxygen Tolerant PET-RAFT Facilitated 3D Printing of Polymeric Materials under Visible LEDs. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 782-790	4.3	44
230	Polypeptide-Based Macroporous Cryogels with Inherent Antimicrobial Properties: The Importance of a Macroporous Structure. <i>ACS Macro Letters</i> , 2016 , 5, 552-557	6.6	44
229	Molecular mapping of poly(methyl methacrylate) super-helix stereocomplexes. <i>Chemical Science</i> , 2015 , 6, 1370-1378	9.4	43
228	Modeling of the sorption and transport properties of water vapor in polyimide membranes. <i>Journal of Membrane Science</i> , 2012 , 409-410, 96-104	9.6	43
227	From transient nanodroplets to permanent nanolenses. <i>Soft Matter</i> , 2012 , 8, 4314	3.6	43
226	Synthesis of novel cylindrical bottlebrush polypseudorotaxane via inclusion complexation of high density poly(ϵ -caprolactone) bottlebrush polymer and cyclodextrins. <i>Polymer Chemistry</i> , 2012 , 3, 343-354	4.9	43
225	Thermal treatment of dense polyimide membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 1879-1890	2.6	43
224	Fenton-RAFT Polymerization: An "On-Demand" Chain-Growth Method. <i>Chemistry - A European Journal</i> , 2017 , 23, 7221-7226	4.8	42
223	ATRP-mediated continuous assembly of polymers for the preparation of nanoscale films. <i>Chemical Communications</i> , 2011 , 47, 12601-3	5.8	42
222	Blood-Catalyzed RAFT Polymerization. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10288-10292	6.4	41
221	From UV to NIR: A Full-Spectrum Metal-Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21392-21396	16.4	41
220	Organic Catalyst-Mediated Ring-Opening Polymerization for the Highly Efficient Synthesis of Polyester-Based Star Polymers. <i>ACS Macro Letters</i> , 2012 , 1, 681-686	6.6	40

219	Cyclodextrin-based supramolecular polymeric nanoparticles for next generation gas separation membranes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14876-14886	13	39
218	Cisplatin-Induced Formation of Biocompatible and Biodegradable Polypeptide-Based Vesicles for Targeted Anticancer Drug Delivery. <i>Biomacromolecules</i> , 2015 , 16, 2463-74	6.9	39
217	Effect of molecular architecture of polycarboxylate ethers on plasticizing performance in alkali-activated slag paste. <i>Journal of Materials Science</i> , 2014 , 49, 2761-2772	4.3	39
216	A novel one-pot approach towards dynamically cross-linked hydrogels. <i>Soft Matter</i> , 2013 , 9, 5239	3.6	39
215	Nanoengineered films via surface-confined continuous assembly of polymers. <i>Small</i> , 2011 , 7, 2863-7	11	39
214	4,6-Dimethyl-o-quinone Methide and 4,6-Dimethylbenzoxete. <i>Journal of Organic Chemistry</i> , 1998 , 63, 9806-9811	4.2	39
213	Controlled Formation and Binding Selectivity of Discrete Oligo(methyl methacrylate) Stereocomplexes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1945-1951	16.4	38
212	Novel drug carriers: from grafted polymers to cross-linked vesicles. <i>Chemical Communications</i> , 2013 , 49, 33-5	5.8	37
211	Nano-to-macroscale poly(methyl methacrylate) stereocomplex assemblies. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8707-11	16.4	37
210	Temperature responsive polymers as multiple function reagents in mineral processing. <i>Advanced Powder Technology</i> , 2009 , 20, 273-279	4.6	37
209	Synthesis and characterization of fluorescently labeled core cross-linked star polymers. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 2422-2432	2.5	37
208	MOF Scaffold for a High-Performance Mixed-Matrix Membrane. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8597-8602	16.4	37
207	The effect of soft nanoparticles morphologies on thin film composite membrane performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17751-17756	13	36
206	Postcombustion Carbon Capture Using Thin-Film Composite Membranes. <i>Accounts of Chemical Research</i> , 2019 , 52, 1905-1914	24.3	35
205	The use of reduced copper metal-organic frameworks to facilitate CuAAC click chemistry. <i>Chemical Communications</i> , 2016 , 52, 12226-12229	5.8	35
204	Chemical modification of wheat protein-based natural polymers: grafting and cross-linking reactions with poly(ethylene oxide) diglycidyl ether and ethyl diamine. <i>Biomacromolecules</i> , 2007 , 8, 2909-15	6.9	35
203	Degradation on polyacrylamides. Part II. Polyacrylamide gels. <i>Polymer</i> , 2003 , 44, 3817-3826	3.9	35
202	High-throughput CO ₂ capture using PIM-1@MOF based thin film composite membranes. <i>Chemical Engineering Journal</i> , 2020 , 396, 125328	14.7	35

201	A unique F MRI agent for the tracking of non phagocytic cells in vivo. <i>Nanoscale</i> , 2018 , 10, 8226-8239	7.7	34
200	Highly porous and mechanically robust polyester poly(ethylene glycol) sponges as implantable scaffolds. <i>Acta Biomaterialia</i> , 2014 , 10, 2769-80	10.8	34
199	Synthesis and characterization of star-like microgels by one-pot free radical polymerization. <i>Polymer</i> , 2005 , 46, 6727-6735	3.9	34
198	Optimization of the sensitivity and stability of the PRESAGE dosimeter using trihalomethane radical initiators. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 867-873	2.5	33
197	The effect of formaldehyde to phenol ratio on the curing and carbonisation behaviour of resole resins. <i>Polymer</i> , 2001 , 42, 3355-3362	3.9	33
196	Macroporous Hydrogels Composed Entirely of Synthetic Polypeptides: Biocompatible and Enzyme Biodegradable 3D Cellular Scaffolds. <i>Biomacromolecules</i> , 2016 , 17, 2981-91	6.9	33
195	Highly Efficient and Versatile Formation of Biocompatible Star Polymers in Pure Water and Their Stimuli-Responsive Self-Assembly. <i>Macromolecules</i> , 2014 , 47, 7869-7877	5.5	32
194	Monolayer structure and evaporation resistance: a molecular dynamics study of octadecanol on water. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 3869-78	3.4	32
193	Synthetic hydrogels 3. Solvent effects on poly(2-hydroxyethyl methacrylate) networks. <i>Polymer</i> , 2004 , 45, 4017-4027	3.9	32
192	Synthesis, Characterization, and Direct Observation of Star Microgels. <i>Macromolecules</i> , 2003 , 36, 5650-5654	5.4	32
191	Sono-RAFT Polymerization-Induced Self-Assembly in Aqueous Dispersion: Synthesis of LCST-type Thermosensitive Nanogels. <i>Macromolecules</i> , 2018 , 51, 8862-8869	5.5	32
190	Factors Influencing the Formation of Single-Chain Polymeric Nanoparticles Prepared via Ring-Opening Polymerization. <i>Macromolecules</i> , 2015 , 48, 1371-1379	5.5	31
189	(Cyanovinyl)ketenes From Azafulvenones. An Apparent Retro-Wolff Rearrangement. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3852-3861	16.4	31
188	A novel solid state photocatalyst for living radical polymerization under UV irradiation. <i>Scientific Reports</i> , 2016 , 6, 20779	4.9	28
187	Polyimide polydimethylsiloxane triblock copolymers for thin film composite gas separation membranes. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 3372-3382	2.5	28
186	The behaviour of honeycomb film formation from star polymers with various fluorine content. <i>Polymer</i> , 2013 , 54, 4446-4454	3.9	28
185	Peptide-Based Star Polymers: The Rising Star in Functional Polymers. <i>Australian Journal of Chemistry</i> , 2012 , 65, 978	1.2	28
184	Poly(dicyclopentadiene)-montmorillonite nanocomposite formation via simultaneous intergallery-surface initiation and chain crosslinking using ROMP. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 89-97	2.5	28

183	Phototriggered, Metal-Free Continuous Assembly of Polymers for the Fabrication of Ultrathin Films. <i>ACS Macro Letters</i> , 2012 , 1, 1020-1023	6.6	28
182	Synthesis of a Star Polymer Library with a Diverse Range of Highly Functionalized Macromolecular Architectures. <i>Macromolecules</i> , 2011 , 44, 3189-3202	5.5	28
181	Model studies of the curing of resole phenol-formaldehyde resins Part 1. The behaviour of ortho quinone methide in a curing resin. <i>Polymer</i> , 2000 , 41, 1973-1979	3.9	28
180	Quantitative formation of core cross-linked star polymers via a one-pot two-step single electron transfer-living radical polymerization. <i>Polymer Chemistry</i> , 2013 , 4, 4562	4.9	27
179	Synthetic hydrogels 2. Polymerization induced phase separation in acrylamide systems. <i>Polymer</i> , 2003 , 44, 7335-7344	3.9	27
178	Architectural Effects of Star-Shaped "Structurally Nanoengineered Antimicrobial Peptide Polymers" (SNAPPs) on Their Biological Activity. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800627	10.1	27
177	Heterogeneously Catalyzed Fenton-Reversible Addition-Fragmentation Chain Transfer Polymerization in the Presence of Air. <i>Macromolecules</i> , 2019 , 52, 3278-3287	5.5	26
176	Spider-silk inspired polymeric networks by harnessing the mechanical potential of sheets through network guided assembly. <i>Nature Communications</i> , 2020 , 11, 1630	17.4	26
175	The thickness dependence of Matrimid films in water vapor permeation. <i>Chemical Engineering Journal</i> , 2012 , 209, 301-312	14.7	26
174	High-performance thin film composite membranes with well-defined poly(dimethylsiloxane)-b-poly(ethylene glycol) copolymer additives for CO ₂ separation. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 1500-1511	2.5	25
173	Structure Governs the Deformability of Polymer Particles in a Microfluidic Blood Capillary Model. <i>ACS Macro Letters</i> , 2015 , 4, 1205-1209	6.6	25
172	(Super)hydrophobic and Multilayered Amphiphilic Films Prepared by Continuous Assembly of Polymers. <i>Advanced Functional Materials</i> , 2013 , 23, 5159-5166	15.6	25
171	Diverse approaches to star polymers via cationic and radical RAFT cross-linking reactions using mechanistic transformation. <i>Polymer Chemistry</i> , 2017 , 8, 5972-5981	4.9	25
170	Temperature-responsive solid-liquid separations with charged block-copolymers of poly(N-isopropyl acryamide). <i>Langmuir</i> , 2012 , 28, 905-13	4	25
169	Influence of polymer elasticity on the formation of non-cracking honeycomb films. <i>Advanced Materials</i> , 2012 , 24, 4327-30	24	25
168	Wheat gluten-based renewable and biodegradable polymer materials with enhanced hydrophobicity by using epoxidized soybean oil as a modifier. <i>Carbohydrate Research</i> , 2010 , 345, 2174-82 ^{2.9}	2.9	25
167	Highly Living Stars via Core-First Photo-RAFT Polymerization: Exploitation for Ultra-High Molecular Weight Star Synthesis. <i>ACS Macro Letters</i> , 2019 , 8, 1291-1295	6.6	24
166	High frequency sonoATRP of 2-hydroxyethyl acrylate in an aqueous medium. <i>Polymer Chemistry</i> , 2018 , 9, 2562-2568	4.9	24

- 165 Color-Switchable Polar Polymeric Materials. *ACS Applied Materials & Interfaces*, **2019**, 11, 29268-29275 4.5 24
- 164 Synthesis of perfectly alternating copolymers for polymers of intrinsic microporosity. *Polymer Chemistry*, **2015**, 6, 5003-5008 4.9 24
- 163 Effect of glutaraldehyde functionality on network formation in poly(vinyl alcohol) membranes. *Journal of Applied Polymer Science*, **2005**, 96, 780-792 2.9 24
- 162 Insights into the mechanochromism of spiropyran elastomers. *Polymer Chemistry*, **2019**, 10, 1650-1659 4.9 24
- 161 Sono-RAFT Polymerization in Aqueous Medium. *Angewandte Chemie*, **2017**, 129, 12470-12474 3.6 23
- 160 Stabilization of peptide-based vesicles via in situ oxygen-mediated cross-linking. *Macromolecular Bioscience*, **2012**, 12, 1220-31 5.5 23
- 159 Sonochemically Initiated RAFT Polymerization in Organic Solvents. *Macromolecules*, **2019**, 52, 185-195 5.5 23
- 158 Degradable cross-linked polymer vesicles for the efficient delivery of platinum drugs. *Polymer Chemistry*, **2015**, 6, 35-43 4.9 22
- 157 Observed Photoenhancement of RAFT Polymerizations under Fume Hood Lighting. *ACS Macro Letters*, **2016**, 5, 1287-1292 6.6 22
- 156 Ring-opening metathesis polymerization with the second generation Hoveyda-Grubbs catalyst: an efficient approach toward high-purity functionalized macrocyclic oligo(cyclooctene)s. *Journal of the American Chemical Society*, **2013**, 135, 5717-25 16.4 22
- 155 Honeycomb Films from Perfluoropolyether-Based Star and Micelle Architectures. *Australian Journal of Chemistry*, **2012**, 65, 1186 1.2 22
- 154 Interpenetrating Amphiphilic Polymer Networks of Poly(2-hydroxyethyl methacrylate) and Poly(ethylene oxide). *Chemistry of Materials*, **2004**, 16, 5650-5658 9.6 22
- 153 Amphiphilic core cross-linked star polymers as water-soluble, biocompatible and biodegradable unimolecular carriers for hydrophobic drugs. *Polymer Chemistry*, **2015**, 6, 6475-6487 4.9 21
- 152 Factors influencing the growth and topography of nanoscale films fabricated by ROMP-mediated continuous assembly of polymers. *Polymer Chemistry*, **2013**, 4, 68-75 4.9 21
- 151 An alternative pathway for the hydrolysis of epoxy ester compounds. *Polymer*, **2006**, 47, 8247-8252 3.9 21
- 150 Admicellar polymerization of styrene with divinyl benzene on alumina particles: the synthesis of white reinforcing fillers. *Journal of Materials Science*, **2006**, 41, 7474-7482 4.3 21
- 149 Synthetic hydrogels. 1. Effects of solvent on poly(acrylamide) networks. *Polymer*, **2003**, 44, 6195-6203 3.9 21
- 148 Surfactant-mediated formation of polymeric microlenses from interfacial microdroplets. *Soft Matter*, **2014**, 10, 957-64 3.6 20

147	Nano-scale clustering of integrin-binding ligands regulates endothelial cell adhesion, migration, and endothelialization rate: novel materials for small diameter vascular graft applications. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5942-5953	7.3	20
146	Peptide-Based Star Polymers as Potential siRNA Carriers. <i>Australian Journal of Chemistry</i> , 2014 , 67, 592	1.2	20
145	Highly efficient synthesis of low polydispersity core cross-linked star polymers by Ru-catalyzed living radical polymerization. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 456-61	4.8	20
144	Reversible Nontoxic Thermochromic Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9782-9789	9.5	19
143	Photocontrolled Cargo Release from Dual Cross-Linked Polymer Particles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6219-28	9.5	19
142	Coupling Hydrophilic Amine-Containing Molecules to the Backbone of Poly(ϵ -Caprolactone). <i>Australian Journal of Chemistry</i> , 2006 , 59, 534	1.2	19
141	Initiator efficiency in ATRP: the tosyl chloride/CuBr/PMDETA system. <i>Polymer</i> , 2005 , 46, 2097-2104	3.9	19
140	Fractionation of graphene oxide single nano-sheets in water-glycerol solutions using gradient centrifugation. <i>Carbon</i> , 2016 , 103, 363-371	10.4	18
139	Molecular mechanism of stabilization of thin films for improved water evaporation protection. <i>Langmuir</i> , 2013 , 29, 14451-9	4	18
138	Novel multicompart ment 3-dimensional radiochromic radiation dosimeters for nanoparticle-enhanced radiation therapy dosimetry. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 84, e549-55	4	18
137	Evaluation of ultra-sensitive leucomalachite dye derivatives for use in the PRESAGE \square dosimeter. <i>Radiation Physics and Chemistry</i> , 2013 , 85, 204-209	2.5	18
136	Effect of surfactant architecture on the properties of polystyrene-montmorillonite nanocomposites. <i>Langmuir</i> , 2010 , 26, 9023-31	4	18
135	Nanoparticles assembled via pH-responsive reversible segregation of cyclodextrins in polyrotaxanes. <i>Nanoscale</i> , 2016 , 8, 15589-96	7.7	18
134	Beyond RGD; nanoclusters of syndecan- and integrin-binding ligands synergistically enhance cell/material interactions. <i>Biomaterials</i> , 2018 , 187, 81-92	15.6	18
133	Regulating Color Activation Energy of Mechanophore-Linked Multinetwork Elastomers. <i>Macromolecules</i> , 2020 , 53, 4090-4098	5.5	17
132	Blends of Fluorinated Additives with Highly Selective Thin-Film Composite Membranes to Increase CO ₂ Permeability for CO ₂ /N ₂ Gas Separation Applications. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 8364-8372	3.9	17
131	Functional and Well-Defined Sheet-Assembled Porous Spherical Shells by Surface-Guided Peptide Formation. <i>Advanced Functional Materials</i> , 2015 , 25, 3147-3156	15.6	17
130	Optimizing the sensitivity and radiological properties of the PRESAGE \square dosimeter using metal compounds. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 1688-1695	2.5	17

129	Direct Observation of the Intergallery Expansion of Polystyrene/Montmorillonite Nanocomposites. <i>Chemistry of Materials</i> , 2011 , 23, 2303-2311	9.6	17
128	Small field size dose-profile measurements using gel dosimeters, gafchromic films and micro-thermoluminescent dosimeters. <i>Radiation Measurements</i> , 2009 , 44, 249-256	1.5	17
127	A General Method for the Synthesis and Isolation of Well-Defined Core Cross-Linked Multistar Assemblies: A Route toward Enhanced pH-Responsive Polymers. <i>Macromolecules</i> , 2009 , 42, 4622-4631	5.5	17
126	Surface chemistry and rheology of polysulfobetaine-coated silica. <i>Langmuir</i> , 2007 , 23, 7587-93	4	17
125	Addition of biological functionality to poly(epsilon-caprolactone) films. <i>Biomacromolecules</i> , 2007 , 8, 2416-21	6.3	17
124	Characterization of the pore structure of aqueous three-dimensional polyacrylamide gels with a novel cross-linker. <i>Electrophoresis</i> , 2000 , 21, 3843-50	3.6	17
123	Fullerene peapod nanoparticles as an organic semiconductor-electrode interface layer. <i>Chemical Communications</i> , 2016 , 52, 3356-9	5.8	16
122	Stereoregular High-Density Bottlebrush Polymer and Its Organic Nanocrystal Stereocomplex through Triple-Helix Formation. <i>Macromolecules</i> , 2016 , 49, 788-795	5.5	16
121	Controlled RAFT polymerization facilitated by a nanostructured enzyme mimic. <i>Polymer Chemistry</i> , 2018 , 9, 4448-4454	4.9	16
120	Assembly of Nanostructured Films with Hydrophobic Subcompartments via Continuous Assembly of Polymers. <i>Macromolecules</i> , 2013 , 46, 7789-7796	5.5	16
119	Synthesis and Characterization of Core Cross-Linked Star Clusters by Conventional Free-Radical Polymerization. <i>Macromolecules</i> , 2007 , 40, 7819-7826	5.5	16
118	MOF Scaffold for a High-Performance Mixed-Matrix Membrane. <i>Angewandte Chemie</i> , 2018 , 130, 8733-8738	3.8	16
117	Tuning the Properties of Polymer Capsules for Cellular Interactions. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1859-1866	6.3	15
116	Engineering tough, highly compressible, biodegradable hydrogels by tuning the network architecture. <i>Chemical Communications</i> , 2017 , 53, 6756-6759	5.8	15
115	Shear Induced Alignment of Low Aspect Ratio Gold Nanorods in Newtonian Fluids. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3815-20	6.4	15
114	Synthesis of Buckminsterfullerene C60 functionalised core cross-linked star polymers. <i>Polymer</i> , 2008 , 49, 825-830	3.9	15
113	Graft copolymerization studies. III. Methyl methacrylate onto polypropylene and polyethylene terephthalate. <i>Journal of Applied Polymer Science</i> , 2002 , 83, 898-915	2.9	15
112	Bacterial Redox Potential Powers Controlled Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2021 , 143, 286-293	16.4	15

111	Tunable, Quantitative Fenton-RAFT Polymerization via Metered Reagent Addition. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800179	4.8	15
110	Fenton-Chemistry-Mediated Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900220	4.8	14
109	Aptamer-mediated cancer gene therapy. <i>Current Gene Therapy</i> , 2015 , 15, 109-19	4.3	14
108	The effect of acrylamide-co-vinylpyrrolidinone copolymer on the depression of talc in mixed nickel mineral flotation. <i>Minerals Engineering</i> , 2011 , 24, 449-454	4.9	14
107	Irreversible Spoilage Sensors for Protein-Based Food. <i>ACS Sensors</i> , 2020 , 5, 2903-2908	9.2	14
106	Synthesis of ultra-high molecular weight polymers by controlled production of initiating radicals. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 1922-1930	2.5	14
105	Targeted Graphene Oxide Networks: Cytotoxicity and Synergy with Anticancer Agents. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43523-43532	9.5	14
104	Pd(0) loaded Zn ₂ (azoBDC) ₂ (dabco) as a heterogeneous catalyst. <i>CrystEngComm</i> , 2017 , 19, 4182-4186	3.3	13
103	DNA-Inspired Strand-Exchange for Switchable PMMA-Based Supramolecular Morphologies. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2630-2635	16.4	13
102	Synthesis and self-assembly of polyimide/poly(dimethylsiloxane) brush triblock copolymers. <i>Polymer</i> , 2013 , 54, 520-529	3.9	13
101	Antifogging Surface Facilitated by Nanoscale Coatings with Controllable Hydrophobicity and Cross-Linking Density. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1600199	3.9	13
100	Low-fouling, biospecific films prepared by the continuous assembly of polymers. <i>Biomacromolecules</i> , 2013 , 14, 2477-83	6.9	13
99	Assembly of free-standing polypeptide films via the synergistic combination of hyperbranched macroinitiators, the grafting-from approach, and cross-chain termination. <i>Advanced Materials</i> , 2013 , 25, 4619-24	24	13
98	Formation of wheat-protein-based biomaterials through polymer grafting and crosslinking reactions to introduce new functional properties. <i>Macromolecular Bioscience</i> , 2009 , 9, 93-101	5.5	13
97	Plasticization Suppression in Grafted Polyimide-Epoxy Network Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 8183-8192	3.9	13
96	Synthesis of N-Confused Porphyrin Analogues by beta-Azafulvenone Tetramerization. <i>Journal of Organic Chemistry</i> , 1996 , 61, 8125-8131	4.2	13
95	Reduced administration frequency for the treatment of fungal keratitis: a sustained natamycin release from a micellar solution. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 407-421	8	12
94	Azobenzene-Functionalised Core Cross-Linked Star Polymers and their Host-Guest Interactions. <i>Australian Journal of Chemistry</i> , 2014 , 67, 173	1.2	12

93	Soft nanoparticles assembled from linear poly(ethylene glycol) and linear brush polydimethylsiloxane diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 1251-1262	2.5	12
92	Rational design of monolayers for improved water evaporation mitigation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 415, 47-58	5.1	12
91	Comb polymers: Are they the answer to monolayer stability?. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 384, 482-489	5.1	12
90	Autophobicity-driven surface segregation and patterning of core-shell microgel nanoparticles. <i>Nano Letters</i> , 2008 , 8, 3010-6	11.5	12
89	Improved Fenton Therapy Using Cancer Cell Hydrogen Peroxide. <i>Australian Journal of Chemistry</i> , 2018 , 71, 826	1.2	12
88	Surface Initiated Polymer Thin Films for the Area Selective Deposition and Etching of Metal Oxides. <i>ACS Nano</i> , 2020 , 14, 4276-4288	16.7	11
87	Precise control of drug loading and release of an NSAID-polymer conjugate for long term osteoarthritis intra-articular drug delivery. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 6221-6226	7.3	11
86	3-carbonyl-3H-indole: Direct observation and tetramerization to a tetrabenzoporphyrin analogue. <i>Tetrahedron Letters</i> , 1995 , 36, 3913-3916	2	11
85	Redox-Initiated Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization. <i>Australian Journal of Chemistry</i> , 2019 , 72, 479	1.2	10
84	Fabrication of ultra-thin polyrotaxane-based films via solid-state continuous assembly of polymers. <i>Chemical Communications</i> , 2015 , 51, 2025-8	5.8	10
83	Blood-Catalyzed RAFT Polymerization. <i>Angewandte Chemie</i> , 2018 , 130, 10445-10449	3.6	10
82	A generic class of amyloid fibril inhibitors. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1350-1359	7.3	10
81	Synthesis of Novel Core Cross-Linked Star-Based Polyrotaxane End-Capped via "CuAAC" Click Chemistry. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 2109-14	4.8	10
80	High-resolution measurements of small field beams using polymer gels. <i>Applied Radiation and Isotopes</i> , 2007 , 65, 1160-4	1.7	10
79	Dewetting of Star Nanogel/Homopolymer Blends from an Immiscible Homopolymer Substrate. <i>Macromolecules</i> , 2004 , 37, 7857-7860	5.5	10
78	Growing Patterned, Cross-linked Nanoscale Polymer Films from Organic and Inorganic Surfaces Using Ring-Opening Metathesis Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4041-4051	8.5	10
77	Continuous assembly of polymers via solid phase reactions. <i>Chemical Science</i> , 2014 , 5, 3374-3380	9.4	9
76	Molecular interactions behind the synergistic effect in mixed monolayers of 1-octadecanol and ethylene glycol mono-octadecyl ether. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3603-12	3.4	9

75	Novel cross-linked homogeneous polyacrylamide gels with improved separation properties: investigation of the cross-linker functionality. <i>Electrophoresis</i> , 2001 , 22, 4303-10	3.6	9
74	Film-Stabilizing Attributes of Polymeric Core-Shell Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 7940-9	16.7	8
73	Enantioselective adsorption of surfactants monitored by ATR-FTIR. <i>Langmuir</i> , 2010 , 26, 13944-53	4	8
72	Determination of dosimetric perturbations caused by aneurysm clip in stereotactic radiosurgery using gel phantoms and EBT-Gafchromic films. <i>Medical Physics</i> , 2008 , 35, 744-52	4.4	8
71	From UV to NIR: A Full-Spectrum Metal-Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. <i>Angewandte Chemie</i> , 2020 , 132, 21576-21580	3.6	8
70	Synthesis of high-order multiblock core cross-linked star polymers. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 135-143	2.5	8
69	Effects of the Molecular Structure of a Self-Assembled Monolayer on the Formation and Morphology of Surface Nanodroplets. <i>Langmuir</i> , 2016 , 32, 11197-11202	4	8
68	On-Demand Cascade Release of Hydrophobic Chemotherapeutics from a Multicomponent Hydrogel System. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1696-1707	5.5	7
67	Tailoring Substrate Hydrophilicity Using Grafted Polypeptide Nanocoatings. <i>Australian Journal of Chemistry</i> , 2014 , 67, 598	1.2	7
66	Formation of Dynamic Duolayer Systems at the Air/Water Interface by using Non-ionic Hydrophilic Polymers. <i>Australian Journal of Chemistry</i> , 2013 , 66, 807	1.2	7
65	1,1-diphenyl ethylene-mediated radical polymerisation: a general non-metal-based technique for the synthesis of precise core cross-linked star polymers. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 305-9	4.8	7
64	3,5-Dimethylphenol resolite resins: their structure and mechanism of thermal decomposition leading to graphitisation. <i>Polymer</i> , 2001 , 42, 7523-7529	3.9	7
63	Ultraporous Composite Membranes Enhanced Via Doping with Amorphous MOF Nanosheets. <i>ACS Central Science</i> , 2021 , 7, 671-680	16.8	7
62	Metal organic framework enhanced SPEEK/SPSF heterogeneous membrane for ion transport and energy conversion. <i>Nano Energy</i> , 2021 , 81, 105657	17.1	7
61	Biocompatible Porous Polyester-Ether Hydrogel Scaffolds with Cross-Linker Mediated Biodegradation and Mechanical Properties for Tissue Augmentation. <i>Polymers</i> , 2018 , 10,	4.5	7
60	Hydroxyl Radical Activated RAFT Polymerization. <i>ACS Symposium Series</i> , 2018 , 307-321	0.4	7
59	Intra-articular Treatment of Osteoarthritis with Diclofenac-Conjugated Polymer Reduces Inflammation and Pain.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2822-2832	4.1	6
58	Self-deoxygenating glassware. <i>Chemical Communications</i> , 2019 , 55, 8544-8547	5.8	6

57	Flow-induced aggregation of colloidal particles in viscoelastic fluids. <i>Physical Review E</i> , 2016 , 94, 0226102.4	6
56	A nontoxic reversible thermochromic binary system via π -stacking of sulfonephthaleins. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9335-9345	7.1 6
55	An improved technique for concentration measurement of galactomannan solutions by differential refractive index. <i>Carbohydrate Polymers</i> , 2009 , 77, 150-153	10.3 6
54	Delaying the onset of macrogelation for the synthesis of branched and star-like polymers via conventional free-radical polymerisation: Binary solvent effects and incorporation of surfmers. <i>Polymer</i> , 2008 , 49, 5373-5386	3.9 6
53	Approaches to the controlled formation of network polymers. <i>Polymer</i> , 2000 , 41, 27-34	3.9 6
52	Hierarchical porous hybrid chitosan scaffolds with tailorable mechanical properties. <i>Materials Letters</i> , 2017 , 209, 528-531	3.3 6
51	Accelerated Polypeptide Synthesis via N-Carboxyanhydride Ring Opening Polymerization in Continuous Flow. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000071	4.8 6
50	Physical Aging Investigations of a Spirobisindane-Locked Polymer of Intrinsic Microporosity 2020 , 2, 993-998	6
49	Formation of Polyrotaxane Particles via Template Assembly. <i>Biomacromolecules</i> , 2017 , 18, 2118-2127	6.9 5
48	Time-resolved yield stress measurement of evolving materials using a creeping sphere. <i>Rheologica Acta</i> , 2015 , 54, 365-376	2.3 5
47	Temporal control of RAFT polymerization via magnetic catalysis. <i>Polymer Chemistry</i> , 2020 , 11, 2838-2846.4.9	5
46	Dynamic performance of duolayers at the air/water interface. 2. Mechanistic insights from all-atom simulations. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10927-33	3.4 5
45	From well defined star-microgels to highly ordered honeycomb films. <i>Journal of Materials Chemistry</i> , 2005 ,	5
44	On the mechanism of background silver staining during sodium dodecyl sulphate-polyacrylamide gel electrophoresis. <i>Electrophoresis</i> , 1999 , 20, 2039-45	3.6 5
43	Controlled Polymerization: Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization (Adv. Sci. 9/2016). <i>Advanced Science</i> , 2016 , 3,	13.6 5
42	3D nanoprinting via spatially controlled assembly and polymerization. <i>Nature Communications</i> , 2022 , 13, 1941	17.4 5
41	Dynamic performance of duolayers at the air/water interface. 1. Experimental analysis. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10919-26	3.4 4
40	Fabrication of Chiral Stationary Phases via Continuous Assembly of Polymers for Resolution of Enantiomers by Liquid Chromatography. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 1285-1293.9	4

39	Enthalpy and Volume Relaxation of Core-Crosslinked Star Polystyrene/Poly(methyl methacrylate) Blends. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1677-1691	2.6	4
38	Thermal, Optical, and Static/Dynamic Mechanical Properties of Linear-core Crosslinked Star Polymer Blends. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1778-1790	2.6	4
37	Conjugation of bioactive groups to poly(lactic acid) and poly[(lactic acid)-co-(glycolic acid)] films. <i>Macromolecular Bioscience</i> , 2007 , 7, 1272-9	5.5	4
36	Immobilization and Intracellular Delivery of Structurally Nanoengineered Antimicrobial Peptide Polymers Using Polyphenol-Based Capsules. <i>Advanced Functional Materials</i> , 2107341	15.6	4
35	Thin Film Composite Membranes for Postcombustion Carbon Capture: Polymers and Beyond. <i>Progress in Polymer Science</i> , 2022 , 101504	29.6	4
34	Blue LED light-activated RAFT polymerization of PEG acrylate with high chain-end fidelity for efficient PEGylation. <i>Polymer Chemistry</i> , 2020 , 11, 5238-5248	4.9	4
33	Spatial-controlled nanoengineered films prepared via rapid catalyst induced cross-linking. <i>Polymer Chemistry</i> , 2016 , 7, 3251-3258	4.9	4
32	Synthesis, Characterization, and Modelling of Novel Multifunctional Acryloyl-Based Monomers: An Experimental and Computational Study. <i>Australian Journal of Chemistry</i> , 2002 , 55, 675	1.2	3
31	Polyrotaxane-based thin film composite membranes for enhanced nanofiltration performance. <i>Separation and Purification Technology</i> , 2020 , 246, 116893	8.3	2
30	Synthetic Strategies towards Well-Defined Complex Polymeric Architectures through Covalent Chemistry. <i>Chemie-Ingenieur-Technik</i> , 2014 , 86, 2195-2214	0.8	2
29	PMMA Star-Like Polymers via One-Pot Conventional Free-Radical Copolymerization. <i>Australian Journal of Chemistry</i> , 2009 , 62, 891	1.2	2
28	Structural-rheological characteristics of Chaplin E peptide at the air/water interface; a comparison with Haetoglobulin and Ecasein. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 742-750	7.9	2
27	Highly Ordered Honeycomb Film Formation of Linear Polymers by the Breath Figure Technique. <i>Australian Journal of Chemistry</i> , 2016 , 69, 1130	1.2	2
26	Biomaterials functionalized with nanoclusters of integrin- and syndecan-binding ligands improve cell adhesion and mechanosensing under shear flow conditions. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 313-325	5.4	2
25	Mechanochromophore-linked Polymeric Materials with Visible Color Changes.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100866	4.8	2
24	pH-Induced interfacial properties of Chaplin E from <i>Streptomyces coelicolor</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 589-597	6	1
23	Structure-Dependent Interfacial Properties of Chaplin F from <i>Streptomyces coelicolor</i> . <i>Biomolecules</i> , 2017 , 7,	5.9	1
22	Duolayers at the Air/Water Interface: Improved Lifetime through Ionic Interactions. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 7401-7	3.4	1

21	Development of amphiphilic multi-star polymers with highly grafted pyrene connectors as unimolecular encapsulation devices. <i>Polymer Chemistry</i> , 2014 , 5, 1682-1692	4.9	1
20	Synthesis of Anisotropic, Amphiphilic Grafted Multi-Star Polymers and Investigation of their Self-Assembling Characteristics. <i>Australian Journal of Chemistry</i> , 2014 , 67, 49	1.2	1
19	Effect of EDA/PEGDGE Mole Ratios on PEG-Based Hydrogel Scaffolds Properties. <i>Advanced Materials Research</i> , 2012 , 626, 681-685	0.5	1
18	Photochemistry of pyridyl azides and diazo ketones in matrix and in solution. <i>Pure and Applied Chemistry</i> , 1997 , 69, 847-850	2.1	1
17	Polymerization-induced phase separations in branched poly(methyl methacrylate) synthesis. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1462-1468	2.9	1
16	Plasma Corona Protects Human Immune Cells from Structurally Nanoengineered Antimicrobial Peptide Polymers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33821-33829	9.5	1
15	Multivalent Ligands: Integrin Clustering Matters: A Review of Biomaterials Functionalized with Multivalent Integrin-Binding Ligands to Improve Cell Adhesion, Migration, Differentiation, Angiogenesis, and Biomedical Device Integration (Adv. Healthcare Mater. 12/2018). <i>Advanced Healthcare Materials</i> , 2018 , 7, 1870048	10.1	1
14	Stereospecific Cyclic Poly(methyl methacrylate) and Its Topology-Guided Hierarchically Controlled Supramolecular Assemblies. <i>Angewandte Chemie</i> , 2014 , 126, 469-474	3.6	0
13	Crosslinked polypeptide films via RAFT mediated continuous assembly of polymers. <i>Angewandte Chemie - International Edition</i> , 2021 , e202112842	16.4	0
12	Amphiphilic Core Cross-Linked Star Polymers for the Delivery of Hydrophilic Drugs from Hydrophobic Matrices. <i>Biomacromolecules</i> , 2021 , 22, 2554-2562	6.9	0
11	Mimicry of silk utilizing synthetic polypeptides. <i>Progress in Polymer Science</i> , 2022 , 101557	29.6	0
10	Alignment of Red Poly[dodecadyin-1,12-diol-bis(4-butoxycarbonyl-methyl-urethane)] in Couette Flow. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 9173-9	3.4	
9	Energy Barriers: Functional and Well-Defined Sheet-Assembled Porous Spherical Shells by Surface-Guided Peptide Formation (Adv. Funct. Mater. 21/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 3275-3275	15.6	
8	Polymer Films: (Super)hydrophobic and Multilayered Amphiphilic Films Prepared by Continuous Assembly of Polymers (Adv. Funct. Mater. 41/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 5216-5216 ^{15.6}		
7	Polymerization: Assembly of Free-Standing Polypeptide Films via the Synergistic Combination of Hyperbranched Macroinitiators, the Grafting-From Approach, and Cross-Chain Termination (Adv. Mater. 33/2013). <i>Advanced Materials</i> , 2013 , 25, 4618-4618	24	
6	Polystyrene/Montmorillonite Nanocomposites by In-situ Polymerization and Their Properties 2011 , 331-365		
5	Microdosimetry and small field measurements in Polymer Gels 2007 , 1883-1886		
4	Polymers Based on Phenols 1455-1506		

3 Photonuclear activation of oxygen & copper with high-energy x-ray or electron beams **2007**, 2126-2129

2 SU-FF-T-188: Dosimetry of Microbeam Radiotherapy Using Gel Dosimeters. *Medical Physics*, **2007**, 34, 2444-2444

4-4

1 Star Polymers by RAFT Polymerization **2021**, 983-1015