Greg G Qiao

List of Publications by Year in Descending Order

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	Thin Film Composite Membranes for Postcombustion Carbon Capture: Polymers and Beyond. *Progress in Polymer Science*, **2022**, 101504	29.6	4
307	Mechanochromophore-linked Polymeric Materials with Visible Color Changes.. *Macromolecular Rapid Communications*, **2022**, e2100866	4.8	2
306	3D nanoprinting via spatially controlled assembly and polymerization.. *Nature Communications*, **2022**, 13, 1941	17.4	5
305	Mimicry of silk utilizing synthetic polypeptides. *Progress in Polymer Science*, **2022**, 101557	29.6	0
304	Crosslinked polypeptide films via RAFT mediated continuous assembly of polymers. *Angewandte Chemie - International Edition*, **2021**, e202112842	16.4	0
303	Star Polymers by RAFT Polymerization **2021**, 983-1015		
302	Bacterial Redox Potential Powers Controlled Radical Polymerization. *Journal of the American Chemical Society*, **2021**, 143, 286-293	16.4	15
301	Ultrapermeable Composite Membranes Enhanced Via Doping with Amorphous MOF Nanosheets. *ACS Central Science*, **2021**, 7, 671-680	16.8	7
300	Amphiphilic Core Cross-Linked Star Polymers for the Delivery of Hydrophilic Drugs from Hydrophobic Matrices. *Biomacromolecules*, **2021**, 22, 2554-2562	6.9	0
299	Plasma Corona Protects Human Immune Cells from Structurally Nanoengineered Antimicrobial Peptide Polymers. *ACS Applied Materials & Interfaces*, **2021**, 13, 33821-33829	9.5	1
298	Biomaterials functionalized with nanoclusters of integrin- and syndecan-binding ligands improve cell adhesion and mechanosensing under shear flow conditions. *Journal of Biomedical Materials Research - Part A*, **2021**, 109, 313-325	5.4	2
297	Metal organic framework enhanced SPEEK/SPSF heterogeneous membrane for ion transport and energy conversion. *Nano Energy*, **2021**, 81, 105657	17.1	7
296	Polyrotaxane-based thin film composite membranes for enhanced nanofiltration performance. *Separation and Purification Technology*, **2020**, 246, 116893	8.3	2
295	Regulating Color Activation Energy of Mechanophore-Linked Multinetwork Elastomers. *Macromolecules*, **2020**, 53, 4090-4098	5.5	17
294	Ring opening polymerization of □amino acids: advances in synthesis, architecture and applications of polypeptides and their hybrids. *Chemical Society Reviews*, **2020**, 49, 4737-4834	58.5	72
293	Temporal control of RAFT polymerization via magnetic catalysis. *Polymer Chemistry*, **2020**, 11, 2838-2846	4.9	5
292	Surface Initiated Polymer Thin Films for the Area Selective Deposition and Etching of Metal Oxides. *ACS Nano*, **2020**, 14, 4276-4288	16.7	11

291	Oxygen Tolerant PET-RAFT Facilitated 3D Printing of Polymeric Materials under Visible LEDs. *ACS Applied Polymer Materials*, **2020**, 2, 782-790	4.3	44
290	Reduced administration frequency for the treatment of fungal keratitis: a sustained natamycin release from a micellar solution. *Expert Opinion on Drug Delivery*, **2020**, 17, 407-421	8	12
289	Reversible Nontoxic Thermochromic Microcapsules. *ACS Applied Materials & Interfaces*, **2020**, 12, 9782-9789	9.5	19
288	Spider-silk inspired polymeric networks by harnessing the mechanical potential of β-sheets through network guided assembly. *Nature Communications*, **2020**, 11, 1630	17.4	26
287	High-throughput CO2 capture using PIM-1@MOF based thin film composite membranes. *Chemical Engineering Journal*, **2020**, 396, 125328	14.7	35
286	Growing Patterned, Cross-linked Nanoscale Polymer Films from Organic and Inorganic Surfaces Using Ring-Opening Metathesis Polymerization. *ACS Applied Materials & Interfaces*, **2020**, 12, 4041-4051	8.5	10
285	Structural-rheological characteristics of Chaplin E peptide at the air/water interface; a comparison with β-lactoglobulin and β-casein. *International Journal of Biological Macromolecules*, **2020**, 144, 742-750	7.9	2
284	Accelerated Polypeptide Synthesis via N-Carboxyanhydride Ring Opening Polymerization in Continuous Flow. *Macromolecular Rapid Communications*, **2020**, 41, e2000071	4.8	6
283	Blue LED light-activated RAFT polymerization of PEG acrylate with high chain-end fidelity for efficient PEGylation. *Polymer Chemistry*, **2020**, 11, 5238-5248	4.9	4
282	Physical Aging Investigations of a Spirobisindane-Locked Polymer of Intrinsic Microporosity **2020**, 2, 993-998		6
281	From UV to NIR: A Full-Spectrum Metal-Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. *Angewandte Chemie - International Edition*, **2020**, 59, 21392-21396	16.4	41
280	From UV to NIR: A Full-Spectrum Metal-Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. *Angewandte Chemie*, **2020**, 132, 21576-21580	3.6	8
279	Irreversible Spoilage Sensors for Protein-Based Food. *ACS Sensors*, **2020**, 5, 2903-2908	9.2	14
278	Progress and Perspectives Beyond Traditional RAFT Polymerization. *Advanced Science*, **2020**, 7, 2001656	13.6	55
277	Highly Living Stars via Core-First Photo-RAFT Polymerization: Exploitation for Ultra-High Molecular Weight Star Synthesis. *ACS Macro Letters*, **2019**, 8, 1291-1295	6.6	24
276	Ultrasound and Sonochemistry for Radical Polymerization: Sound Synthesis. *Chemistry - A European Journal*, **2019**, 25, 5372-5388	4.8	73
275	DNA-Inspired Strand-Exchange for Switchable PMMA-Based Supramolecular Morphologies. *Journal of the American Chemical Society*, **2019**, 141, 2630-2635	16.4	13
274	Intra-articular Treatment of Osteoarthritis with Diclofenac-Conjugated Polymer Reduces Inflammation and Pain.. *ACS Applied Bio Materials*, **2019**, 2, 2822-2832	4.1	6

273	Postcombustion Carbon Capture Using Thin-Film Composite Membranes. *Accounts of Chemical Research*, **2019**, 52, 1905-1914	24.3	35
272	Self-deoxygenating glassware. *Chemical Communications*, **2019**, 55, 8544-8547	5.8	6
271	Redox-Initiated Reversible Addition Fragmentation Chain Transfer (RAFT) Polymerization. *Australian Journal of Chemistry*, **2019**, 72, 479	1.2	10
270	Heterogeneously Catalyzed Fenton-Reversible Addition Fragmentation Chain Transfer Polymerization in the Presence of Air. *Macromolecules*, **2019**, 52, 3278-3287	5.5	26
269	Combined Fenton and starvation therapies using hemoglobin and glucose oxidase. *Nanoscale*, **2019**, 11, 5705-5716	7.7	70
268	Color-Switchable Polar Polymeric Materials. *ACS Applied Materials & Interfaces*, **2019**, 11, 29268-29275	9.5	24
267	A nontoxic reversible thermochromic binary system via stacking of sulfonephthaleins. *Journal of Materials Chemistry C*, **2019**, 7, 9335-9345	7.1	6
266	Fenton-Chemistry-Mediated Radical Polymerization. *Macromolecular Rapid Communications*, **2019**, 40, e1900220	4.8	14
265	Insights into the mechanochromism of spiropyran elastomers. *Polymer Chemistry*, **2019**, 10, 1650-1659	4.9	24
264	Sonochemically Initiated RAFT Polymerization in Organic Solvents. *Macromolecules*, **2019**, 52, 185-195	5.5	23
263	Synthesis of ultra-high molecular weight polymers by controlled production of initiating radicals. *Journal of Polymer Science Part A*, **2019**, 57, 1922-1930	2.5	14
262	Recent progress on fabrication methods of polymeric thin film gas separation membranes for CO2 capture. *Journal of Membrane Science*, **2019**, 572, 38-60	9.6	115
261	On-Demand Cascade Release of Hydrophobic Chemotherapeutics from a Multicomponent Hydrogel System. *ACS Biomaterials Science and Engineering*, **2018**, 4, 1696-1707	5.5	7
260	A unique F MRI agent for the tracking of non phagocytic cells in vivo. *Nanoscale*, **2018**, 10, 8226-8239	7.7	34
259	Integrin Clustering Matters: A Review of Biomaterials Functionalized with Multivalent Integrin-Binding Ligands to Improve Cell Adhesion, Migration, Differentiation, Angiogenesis, and Biomedical Device Integration. *Advanced Healthcare Materials*, **2018**, 7, e1701324	10.1	51
258	High frequency sonoATRP of 2-hydroxyethyl acrylate in an aqueous medium. *Polymer Chemistry*, **2018**, 9, 2562-2568	4.9	24
257	Controlled Formation and Binding Selectivity of Discrete Oligo(methyl methacrylate) Stereocomplexes. *Journal of the American Chemical Society*, **2018**, 140, 1945-1951	16.4	38
256	Antimicrobial polymeric nanoparticles. *Progress in Polymer Science*, **2018**, 76, 40-64	29.6	147

255	Continuous assembly of a polymer on a metal–organic framework (CAP on MOF): a 30 nm thick polymeric gas separation membrane. *Energy and Environmental Science*, **2018**, 11, 544-550	35.4	93
254	Blood-Catalyzed RAFT Polymerization. *Angewandte Chemie*, **2018**, 130, 10445-10449	3.6	10
253	Controlled RAFT polymerization facilitated by a nanostructured enzyme mimic. *Polymer Chemistry*, **2018**, 9, 4448-4454	4.9	16
252	Blood-Catalyzed RAFT Polymerization. *Angewandte Chemie - International Edition*, **2018**, 57, 10288-10292	16.4	41
251	Two-dimensional nanosheet-based gas separation membranes. *Journal of Materials Chemistry A*, **2018**, 6, 23169-23196	13	70
250	Biocompatible Porous Polyester-Ether Hydrogel Scaffolds with Cross-Linker Mediated Biodegradation and Mechanical Properties for Tissue Augmentation. *Polymers*, **2018**, 10,	4.5	7
249	Cancer Treatment through Nanoparticle-Facilitated Fenton Reaction. *ACS Nano*, **2018**, 12, 11819-11837	16.7	299
248	Targeted Graphene Oxide Networks: Cytotoxicity and Synergy with Anticancer Agents. *ACS Applied Materials & Interfaces*, **2018**, 10, 43523-43532	9.5	14
247	Beyond RGD; nanoclusters of syndecan- and integrin-binding ligands synergistically enhance cell/material interactions. *Biomaterials*, **2018**, 187, 81-92	15.6	18
246	Ultrathin Metal-Organic Framework Nanosheets as a Gutter Layer for Flexible Composite Gas Separation Membranes. *ACS Nano*, **2018**, 12, 11591-11599	16.7	68
245	Hydroxyl Radical Activated RAFT Polymerization. *ACS Symposium Series*, **2018**, 307-321	0.4	7
244	Sono-RAFT Polymerization-Induced Self-Assembly in Aqueous Dispersion: Synthesis of LCST-type Thermosensitive Nanogels. *Macromolecules*, **2018**, 51, 8862-8869	5.5	32
243	Improved Fenton Therapy Using Cancer Cell Hydrogen Peroxide. *Australian Journal of Chemistry*, **2018**, 71, 826	1.2	12
242	Architectural Effects of Star-Shaped "Structurally Nanoengineered Antimicrobial Peptide Polymers" (SNAPPs) on Their Biological Activity. *Advanced Healthcare Materials*, **2018**, 7, e1800627	10.1	27
241	MOF Scaffold for a High-Performance Mixed-Matrix Membrane. *Angewandte Chemie - International Edition*, **2018**, 57, 8597-8602	16.4	37
240	MOF Scaffold for a High-Performance Mixed-Matrix Membrane. *Angewandte Chemie*, **2018**, 130, 8733-8738	3.6	16
239	Tunable, Quantitative Fenton-RAFT Polymerization via Metered Reagent Addition. *Macromolecular Rapid Communications*, **2018**, 39, e1800179	4.8	15
238	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). *Advanced Healthcare Materials*, **2018**, 7, 1870048	10.1	1

237	Rational Design of Single-Chain Polymeric Nanoparticles That Kill Planktonic and Biofilm Bacteria. *ACS Infectious Diseases*, **2017**, 3, 237-248	5.5	109
236	Pd(0) loaded Zn2(azoBDC)2(dabco) as a heterogeneous catalyst. *CrystEngComm*, **2017**, 19, 4182-4186	3.3	13
235	Trithiocarbonates as intrinsic photoredox catalysts and RAFT agents for oxygen tolerant controlled radical polymerization. *Polymer Chemistry*, **2017**, 8, 1519-1526	4.9	93
234	Increasing both selectivity and permeability of mixed-matrix membranes: Sealing the external surface of porous MOF nanoparticles. *Journal of Membrane Science*, **2017**, 535, 350-356	9.6	58
233	Formation of Polyrotaxane Particles via Template Assembly. *Biomacromolecules*, **2017**, 18, 2118-2127	6.9	5
232	Tuning the Properties of Polymer Capsules for Cellular Interactions. *Bioconjugate Chemistry*, **2017**, 28, 1859-1866	6.3	15
231	Engineering tough, highly compressible, biodegradable hydrogels by tuning the network architecture. *Chemical Communications*, **2017**, 53, 6756-6759	5.8	15
230	Fenton-RAFT Polymerization: An "On-Demand" Chain-Growth Method. *Chemistry - A European Journal*, **2017**, 23, 7221-7226	4.8	42
229	pH-Induced interfacial properties of Chaplin E from Streptomyces coelicolor. *Colloids and Surfaces B: Biointerfaces*, **2017**, 160, 589-597	6	1
228	Structure-Dependent Interfacial Properties of Chaplin F from Streptomyces coelicolor. *Biomolecules*, **2017**, 7,	5.9	1
227	Sono-RAFT Polymerization in Aqueous Medium. *Angewandte Chemie - International Edition*, **2017**, 56, 12302-12306	16.4	100
226	Development of a Robust PET-RAFT Polymerization Using Graphitic Carbon Nitride (g-C3N4). *Macromolecules*, **2017**, 50, 7509-7516	5.5	84
225	MOF-Mediated Destruction of Cancer Using the Cell's Own Hydrogen Peroxide. *ACS Applied Materials & Interfaces*, **2017**, 9, 33599-33608	9.5	107
224	Diverse approaches to star polymers via cationic and radical RAFT cross-linking reactions using mechanistic transformation. *Polymer Chemistry*, **2017**, 8, 5972-5981	4.9	25
223	Precise control of drug loading and release of an NSAID-polymer conjugate for long term osteoarthritis intra-articular drug delivery. *Journal of Materials Chemistry B*, **2017**, 5, 6221-6226	7.3	11
222	Nano-scale clustering of integrin-binding ligands regulates endothelial cell adhesion, migration, and endothelialization rate: novel materials for small diameter vascular graft applications. *Journal of Materials Chemistry B*, **2017**, 5, 5942-5953	7.3	20
221	Antifogging Surface Facilitated by Nanoscale Coatings with Controllable Hydrophobicity and Cross-Linking Density. *Macromolecular Materials and Engineering*, **2017**, 302, 1600199	3.9	13
220	Sono-RAFT Polymerization in Aqueous Medium. *Angewandte Chemie*, **2017**, 129, 12470-12474	3.6	23

219	Hierarchical porous hybrid chitosan scaffolds with tailorable mechanical properties. *Materials Letters*, **2017**, 209, 528-531	3.3	6
218	Alignment of Red Poly[dodecadyin-1,12-diol-bis(4-butoxycarbonyl-methyl-urethane)] in Couette Flow. *Journal of Physical Chemistry B*, **2016**, 120, 9173-9	3.4	
217	Flow-induced aggregation of colloidal particles in viscoelastic fluids. *Physical Review E*, **2016**, 94, 022610	2.4	6
216	Bionano Interaction Study on Antimicrobial Star-Shaped Peptide Polymer Nanoparticles. *ACS Applied Materials & Interfaces*, **2016**, 8, 33446-33456	9.5	50
215	The use of reduced copper metal-organic frameworks to facilitate CuAAC click chemistry. *Chemical Communications*, **2016**, 52, 12226-12229	5.8	35
214	Blends of Fluorinated Additives with Highly Selective Thin-Film Composite Membranes to Increase CO2 Permeability for CO2/N2 Gas Separation Applications. *Industrial & Engineering Chemistry Research*, **2016**, 55, 8364-8372	3.9	17
213	Duolayers at the Air/Water Interface: Improved Lifetime through Ionic Interactions. *Journal of Physical Chemistry B*, **2016**, 120, 7401-7	3.4	1
212	Combating multidrug-resistant Gram-negative bacteria with structurally nanoengineered antimicrobial peptide polymers. *Nature Microbiology*, **2016**, 1, 16162	26.6	440
211	Observed Photoenhancement of RAFT Polymerizations under Fume Hood Lighting. *ACS Macro Letters*, **2016**, 5, 1287-1292	6.6	22
210	A novel solid state photocatalyst for living radical polymerization under UV irradiation. *Scientific Reports*, **2016**, 6, 20779	4.9	28
209	Star Polymers. *Chemical Reviews*, **2016**, 116, 6743-836	68.1	494
208	Investigation into the photolytic stability of RAFT agents and the implications for photopolymerization reactions. *Polymer Chemistry*, **2016**, 7, 4246-4253	4.9	84
207	Fullerene peapod nanoparticles as an organic semiconductor-electrode interface layer. *Chemical Communications*, **2016**, 52, 3356-9	5.8	16
206	Stereoregular High-Density Bottlebrush Polymer and Its Organic Nanocrystal Stereocomplex through Triple-Helix Formation. *Macromolecules*, **2016**, 49, 788-795	5.5	16
205	Ultra-thin film composite mixed matrix membranes incorporating iron(III)-dopamine nanoparticles for CO2 separation. *Nanoscale*, **2016**, 8, 8312-23	7.7	47
204	Photocontrolled Cargo Release from Dual Cross-Linked Polymer Particles. *ACS Applied Materials & Interfaces*, **2016**, 8, 6219-28	9.5	19
203	Fractionation of graphene oxide single nano-sheets in water-glycerol solutions using gradient centrifugation. *Carbon*, **2016**, 103, 363-371	10.4	18
202	A novel cross-linked nano-coating for carbon dioxide capture. *Energy and Environmental Science*, **2016**, 9, 434-440	35.4	75

201	Development of novel fluorinated additives for high performance CO2 separation thin-film composite membranes. *Journal of Membrane Science*, **2016**, 499, 191-200	9.6	51
200	Highly Ordered Honeycomb Film Formation of Linear Polymers by the Breath Figure Technique. *Australian Journal of Chemistry*, **2016**, 69, 1130	1.2	2
199	Synthesis of high-order multiblock core cross-linked star polymers. *Journal of Polymer Science Part A*, **2016**, 54, 135-143	2.5	8
198	CO2 separation using surface-functionalized SiO2 nanoparticles incorporated ultra-thin film composite mixed matrix membranes for post-combustion carbon capture. *Journal of Membrane Science*, **2016**, 515, 54-62	9.6	63
197	Spatial-controlled nanoengineered films prepared via rapid catalyst induced cross-linking. *Polymer Chemistry*, **2016**, 7, 3251-3258	4.9	4
196	Polypeptide-Based Macroporous Cryogels with Inherent Antimicrobial Properties: The Importance of a Macroporous Structure. *ACS Macro Letters*, **2016**, 5, 552-557	6.6	44
195	Controlled Polymerization: Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization (Adv. Sci. 9/2016). *Advanced Science*, **2016**, 3,	13.6	5
194	Effects of the Molecular Structure of a Self-Assembled Monolayer on the Formation and Morphology of Surface Nanodroplets. *Langmuir*, **2016**, 32, 11197-11202	4	8
193	Nanoparticles assembled via pH-responsive reversible segregation of cyclodextrins in polyrotaxanes. *Nanoscale*, **2016**, 8, 15589-96	7.7	18
192	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. *Advanced Science*, **2016**, 3, 1500394	13.6	189
191	Macroporous Hydrogels Composed Entirely of Synthetic Polypeptides: Biocompatible and Enzyme Biodegradable 3D Cellular Scaffolds. *Biomacromolecules*, **2016**, 17, 2981-91	6.9	33
190	Factors Influencing the Formation of Single-Chain Polymeric Nanoparticles Prepared via Ring-Opening Polymerization. *Macromolecules*, **2015**, 48, 1371-1379	5.5	31
189	Time-resolved yield stress measurement of evolving materials using a creeping sphere. *Rheologica Acta*, **2015**, 54, 365-376	2.3	5
188	Visible Light Mediated Controlled Radical Polymerization in the Absence of Exogenous Radical Sources or Catalysts. *Macromolecules*, **2015**, 48, 3864-3872	5.5	211
187	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
186	Cyclodextrin-based supramolecular polymeric nanoparticles for next generation gas separation membranes. *Journal of Materials Chemistry A*, **2015**, 3, 14876-14886	13	39
185	Tertiary amine catalyzed photo-induced controlled radical polymerization of methacrylates. *Polymer Chemistry*, **2015**, 6, 5362-5368	4.9	55
184	Film-Stabilizing Attributes of Polymeric Core-Shell Nanoparticles. *ACS Nano*, **2015**, 9, 7940-9	16.7	8

183	The role of capsule stiffness on cellular processing. *Chemical Science*, **2015**, 6, 3505-3514	9.4	82
182	Cisplatin-Induced Formation of Biocompatible and Biodegradable Polypeptide-Based Vesicles for Targeted Anticancer Drug Delivery. *Biomacromolecules*, **2015**, 16, 2463-74	6.9	39
181	Molecular mapping of poly(methyl methacrylate) super-helix stereocomplexes. *Chemical Science*, **2015**, 6, 1370-1378	9.4	43
180	High-performance thin film composite membranes with well-defined poly(dimethylsiloxane)-b-poly(ethylene glycol) copolymer additives for CO2 separation. *Journal of Polymer Science Part A*, **2015**, 53, 1500-1511	2.5	25
179	Structure Governs the Deformability of Polymer Particles in a Microfluidic Blood Capillary Model. *ACS Macro Letters*, **2015**, 4, 1205-1209	6.6	25
178	Controlled Formation of Star Polymer Nanoparticles via Visible Light Photopolymerization. *ACS Macro Letters*, **2015**, 4, 1012-1016	6.6	82
177	Fabrication of ultra-thin polyrotaxane-based films via solid-state continuous assembly of polymers. *Chemical Communications*, **2015**, 51, 2025-8	5.8	10
176	Shear Induced Alignment of Low Aspect Ratio Gold Nanorods in Newtonian Fluids. *Journal of Physical Chemistry Letters*, **2015**, 6, 3815-20	6.4	15
175	Synthesis of well dispersed polymer grafted metal-organic framework nanoparticles. *Chemical Communications*, **2015**, 51, 15566-9	5.8	62
174	Degradable cross-linked polymer vesicles for the efficient delivery of platinum drugs. *Polymer Chemistry*, **2015**, 6, 35-43	4.9	22
173	Energy Barriers: Functional and Well-Defined β-Sheet-Assembled Porous Spherical Shells by Surface-Guided Peptide Formation (Adv. Funct. Mater. 21/2015). *Advanced Functional Materials*, **2015**, 25, 3275-3275	15.6	
172	Aptamer-mediated cancer gene therapy. *Current Gene Therapy*, **2015**, 15, 109-19	4.3	14
171	Synthesis of perfectly alternating copolymers for polymers of intrinsic microporosity. *Polymer Chemistry*, **2015**, 6, 5003-5008	4.9	24
170	Functional and Well-Defined β-Sheet-Assembled Porous Spherical Shells by Surface-Guided Peptide Formation. *Advanced Functional Materials*, **2015**, 25, 3147-3156	15.6	17
169	A generic class of amyloid fibril inhibitors. *Journal of Materials Chemistry B*, **2015**, 3, 1350-1359	7.3	10
168	Nucleic acid aptamer-guided cancer therapeutics and diagnostics: the next generation of cancer medicine. *Theranostics*, **2015**, 5, 23-42	12.1	153
167	Effect of molecular architecture of polycarboxylate ethers on plasticizing performance in alkali-activated slag paste. *Journal of Materials Science*, **2014**, 49, 2761-2772	4.3	39
166	Cyclodextrin-based supramolecular assemblies and hydrogels: recent advances and future perspectives. *Macromolecular Rapid Communications*, **2014**, 35, 1166-84	4.8	126

165	Development of amphiphilic multi-star polymers with highly grafted pyrene connectors as unimolecular encapsulation devices. *Polymer Chemistry*, **2014**, 5, 1682-1692	4.9	1
164	Soft polymeric nanoparticle additives for next generation gas separation membranes. *Journal of Materials Chemistry A*, **2014**, 2, 4999	13	60
163	Synthesis of Anisotropic, Amphiphilic Grafted Multi-Star Polymers and Investigation of their Self-Assembling Characteristics. *Australian Journal of Chemistry*, **2014**, 67, 49	1.2	1
162	Highly Efficient and Versatile Formation of Biocompatible Star Polymers in Pure Water and Their Stimuli-Responsive Self-Assembly. *Macromolecules*, **2014**, 47, 7869-7877	5.5	32
161	Nanobubble formation on a warmer substrate. *Soft Matter*, **2014**, 10, 7857-64	3.6	46
160	Polypeptide films via N-carboxyanhydride ring-opening polymerization (NCA-ROP): past, present and future. *Chemical Communications*, **2014**, 50, 4971-88	5.8	50
159	Surfactant-mediated formation of polymeric microlenses from interfacial microdroplets. *Soft Matter*, **2014**, 10, 957-64	3.6	20
158	The effect of soft nanoparticles morphologies on thin film composite membrane performance. *Journal of Materials Chemistry A*, **2014**, 2, 17751-17756	13	36
157	Dynamic performance of duolayers at the air/water interface. 1. Experimental analysis. *Journal of Physical Chemistry B*, **2014**, 118, 10919-26	3.4	4
156	Modelling the yield stress of ternary cement□slag□fly ash pastes based on particle size distribution. *Powder Technology*, **2014**, 266, 203-209	5.2	53
155	Continuous assembly of polymers via solid phase reactions. *Chemical Science*, **2014**, 5, 3374-3380	9.4	9
154	Polyimide polydimethylsiloxane triblock copolymers for thin film composite gas separation membranes. *Journal of Polymer Science Part A*, **2014**, 52, 3372-3382	2.5	28
153	Dynamic performance of duolayers at the air/water interface. 2. Mechanistic insights from all-atom simulations. *Journal of Physical Chemistry B*, **2014**, 118, 10927-33	3.4	5
152	Highly porous and mechanically robust polyester poly(ethylene glycol) sponges as implantable scaffolds. *Acta Biomaterialia*, **2014**, 10, 2769-80	10.8	34
151	Biocompatible Single-Chain Polymeric Nanoparticles via Organo-Catalyzed Ring-Opening Polymerization.. *ACS Macro Letters*, **2014**, 3, 524-528	6.6	47
150	The interrelationship between surface chemistry and rheology in alkali activated slag paste. *Construction and Building Materials*, **2014**, 65, 583-591	6.7	99
149	Tailoring Substrate Hydrophilicity Using Grafted Polypeptide Nanocoatings. *Australian Journal of Chemistry*, **2014**, 67, 598	1.2	7
148	Fabrication of Chiral Stationary Phases via Continuous Assembly of Polymers for Resolution of Enantiomers by Liquid Chromatography. *Macromolecular Materials and Engineering*, **2014**, 299, 1285-1291	3.9	4

147	Stereospecific cyclic poly(methyl methacrylate) and its topology- guided hierarchically controlled supramolecular assemblies. *Angewandte Chemie - International Edition*, **2014**, 53, 459-64	16.4	50
146	Stereospecific Cyclic Poly(methyl methacrylate) and Its Topology-Guided Hierarchically Controlled Supramolecular Assemblies. *Angewandte Chemie*, **2014**, 126, 469-474	3.6	0
145	Synthetic Strategies towards Well-Defined Complex Polymeric Architectures through Covalent Chemistry. *Chemie-Ingenieur-Technik*, **2014**, 86, 2195-2214	0.8	2
144	Azobenzene-Functionalised Core Cross-Linked Star Polymers and their Host□Guest Interactions. *Australian Journal of Chemistry*, **2014**, 67, 173	1.2	12
143	Peptide-Based Star Polymers as Potential siRNA Carriers. *Australian Journal of Chemistry*, **2014**, 67, 592	1.2	20
142	Soft nanoparticles assembled from linear poly(ethylene glycol) and linear brush polydimethylsiloxane diblock copolymers. *Journal of Polymer Science Part A*, **2014**, 52, 1251-1262	2.5	12
141	Biodegradable and biocompatible poly(ethylene glycol)-based hydrogel films for the regeneration of corneal endothelium. *Advanced Healthcare Materials*, **2014**, 3, 1496-507	10.1	49
140	Formation of Dynamic Duolayer Systems at the Air/Water Interface by using Non-ionic Hydrophilic Polymers. *Australian Journal of Chemistry*, **2013**, 66, 807	1.2	7
139	Assembly of Nanostructured Films with Hydrophobic Subcompartments via Continuous Assembly of Polymers. *Macromolecules*, **2013**, 46, 7789-7796	5.5	16
138	Molecular mechanism of stabilization of thin films for improved water evaporation protection. *Langmuir*, **2013**, 29, 14451-9	4	18
137	Molecular interactions behind the synergistic effect in mixed monolayers of 1-octadecanol and ethylene glycol monooctadecyl ether. *Journal of Physical Chemistry B*, **2013**, 117, 3603-12	3.4	9
136	(Super)hydrophobic and Multilayered Amphiphilic Films Prepared by Continuous Assembly of Polymers. *Advanced Functional Materials*, **2013**, 23, 5159-5166	15.6	25
135	Highly permeable membrane materials for CO2 capture. *Journal of Materials Chemistry A*, **2013**, 1, 13769	13	50
134	Quantitative formation of core cross-linked star polymers via a one-pot two-step single electron transfer-living radical polymerization. *Polymer Chemistry*, **2013**, 4, 4562	4.9	27
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