

Sankaran Thayumanavan

List of Publications by Year in Descending Order

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

289
papers

12,728
citations

61
h-index

104
g-index

327
ext. papers

13,773
ext. citations

8.5
avg, IF

6.67
L-index

#	Paper	IF	Citations
289	Multichannel dual protein sensing using amphiphilic supramolecular assemblies. <i>Chemical Communications</i> , 2021 , 57, 12828-12831	5.8	
288	Three-Component Dynamic Covalent Chemistry: From Janus Small Molecules to Functional Polymers. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	1
287	Charge-Conversion Strategies for Nucleic Acid Delivery. <i>Advanced Functional Materials</i> , 2021 , 31, 2011103	5.6	2
286	Protein-Antibody Conjugates (PACs): A Plug-and-Play Strategy for Covalent Conjugation and Targeted Intracellular Delivery of Pristine Proteins. <i>Angewandte Chemie</i> , 2021 , 133, 12923-12928	3.6	0
285	Protein-Antibody Conjugates (PACs): A Plug-and-Play Strategy for Covalent Conjugation and Targeted Intracellular Delivery of Pristine Proteins. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12813-12818	16.4	2
284	Synergistic Interplay of Covalent and Non-Covalent Interactions in Reactive Polymer Nanoassembly Facilitates Intracellular Delivery of Antibodies. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1821-1830	16.4	12
283	Tracking exogenous intracellular casp-3 using split GFP. <i>Protein Science</i> , 2021 , 30, 366-380	6.3	3
282	Synergistic Interplay of Covalent and Non-Covalent Interactions in Reactive Polymer Nanoassembly Facilitates Intracellular Delivery of Antibodies. <i>Angewandte Chemie</i> , 2021 , 133, 1849-1858	3.6	6
281	Understanding functional group and assembly dynamics in temperature responsive systems leads to design principles for enzyme responsive assemblies. <i>Nanoscale</i> , 2021 , 13, 11568-11575	7.7	5
280	Excimer-monomer fluorescence changes by supramolecular disassembly for protein sensing and quantification. <i>Chemical Communications</i> , 2021 , 57, 9776-9779	5.8	1
279	Disulfide Bridging Strategies in Viral and Nonviral Platforms for Nucleic Acid Delivery. <i>Biochemistry</i> , 2021 , 60, 966-990	3.2	8
278	Evaluating Endosomal Escape of Caspase-3-Containing Nanomaterials Using Split GFP. <i>Biomacromolecules</i> , 2021 , 22, 1261-1272	6.9	1
277	Hypersound-Assisted Size Sorting of Microparticles on Inkjet-Patterned Protein Films. <i>Langmuir</i> , 2021 , 37, 2826-2832	4	1
276	Exogenous Introduction of Initiator and Executioner Caspases Results in Different Apoptotic Outcomes. <i>Jacs Au</i> , 2021 , 1, 1240-1256		1
275	Toward Chemotactic Supramolecular Nanoparticles: From Autonomous Surface Motion Following Specific Chemical Gradients to Multivalency-Controlled Disassembly. <i>ACS Nano</i> , 2021 , 15, 16149-16161	16.7	3
274	Core Hydrophobicity of Supramolecular Nanoparticles Induces NLRP3 Inflammasome Activation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 45300-45314	9.5	3
273	Molecular bases for temperature sensitivity in supramolecular assemblies and their applications as thermoresponsive soft materials. <i>Materials Horizons</i> , 2021 ,	14.4	5

272	Triggered interactions between nanoparticles and lipid membranes: design principles for gel formation or disruption-and-release. <i>Soft Matter</i> , 2021 , 17, 7069-7075	3.6	1
271	Programmable Emulsions via Nucleophile-Induced Covalent Surfactant Modifications. <i>Chemistry of Materials</i> , 2020 , 32, 4663-4671	9.6	12
270	Targeting CD4 Cells with Anti-CD4 Conjugated Mertansine-Loaded Nanogels. <i>Biomacromolecules</i> , 2020 , 21, 2473-2481	6.9	7
269	In Situ Formation of Polymeric Nanoassemblies Using an Efficient Reversible Click Reaction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15135-15140	16.4	7
268	Polymer with Competing Depolymerization Pathways: Chain Unzipping versus Chain Scission. <i>ACS Macro Letters</i> , 2020 , 9, 855-859	6.6	3
267	CD28 Signaling Drives Notch Ligand Expression on CD4 T Cells. <i>Frontiers in Immunology</i> , 2020 , 11, 735	8.4	5
266	Disassembly of polymeric nanoparticles with enzyme-triggered polymer unzipping: polyelectrolyte complexes vs. amphiphilic nanoassemblies. <i>Chemical Communications</i> , 2020 , 56, 8456-8459	5.8	3
265	Blended Assemblies of Amphiphilic Random and Block Copolymers for Tunable Encapsulation and Release of Hydrophobic Guest Molecules. <i>Macromolecules</i> , 2020 , 53, 2713-2723	5.5	28
264	Cellular AND Gates: Synergistic Recognition to Boost Selective Uptake of Polymeric Nanoassemblies. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10456-10460	16.4	12
263	Anionic Polymers Promote Mitochondrial Targeting of Delocalized Lipophilic Cations. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1344-1353	6.3	13
262	Covalent Labeling with an α -Unsaturated Carbonyl Scaffold for Studying Protein Structure and Interactions by Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 6637-6644	7.8	1
261	Cellular AND Gates: Synergistic Recognition to Boost Selective Uptake of Polymeric Nanoassemblies. <i>Angewandte Chemie</i> , 2020 , 132, 10542-10546	3.6	4
260	Triblock-Diblock Composite Nanoassemblies with Sequentially Addressable Host-Guest Properties for Hydrophobics and Hydrophilics. <i>ACS Macro Letters</i> , 2020 , 9, 1019-1023	6.6	2
259	In Situ Formation of Polymeric Nanoassemblies Using an Efficient Reversible Click Reaction. <i>Angewandte Chemie</i> , 2020 , 132, 15247-15252	3.6	4
258	Optical "Blinking" Triggered by Collisions of Single Supramolecular Assemblies of Amphiphilic Molecules with Interfaces of Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6139-6148	16.4	11
257	Construction from Destruction: Hydrogel Formation from Triggered Depolymerization-Based Release of an Enzymatic Catalyst. <i>ACS Macro Letters</i> , 2020 , 9, 377-381	6.6	9
256	Non-cationic Material Design for Nucleic Acid Delivery. <i>Advanced Therapeutics</i> , 2020 , 3, 1900206	4.9	20
255	Mechanistic Investigation on Oxidative Degradation of ROS-Responsive Thioacetal/Thioacetal Moieties and Their Implications. <i>Cell Reports Physical Science</i> , 2020 , 1, 100271	6.1	10

254	Polymeric nanoassemblies for enrichment and detection of peptides and proteins in human breast milk. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 1027-1035	4.4	1
253	A programmable chemical switch based on triggerable Michael acceptors. <i>Chemical Science</i> , 2020 , 11, 2103-2111	9.4	8
252	A New Strategy for Reporting Specific Protein Binding Events at Aqueous-Liquid Crystal Interfaces in the Presence of Non-Specific Proteins. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7869-7878	9.5	10
251	Supramolecular antibiotics: a strategy for conversion of broad-spectrum to narrow-spectrum antibiotics for. <i>Nanoscale</i> , 2020 , 12, 20693-20698	7.7	3
250	In Situ Forming Injectable Thermoresponsive Hydrogels for Controlled Delivery of Biomacromolecules. <i>ACS Omega</i> , 2020 , 5, 17531-17542	3.9	13
249	Cellular- and Subcellular-Targeted Delivery Using a Simple All-in-One Polymeric Nanoassembly. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23466-23470	16.4	8
248	Cellular- and Subcellular-Targeted Delivery Using a Simple All-in-One Polymeric Nanoassembly. <i>Angewandte Chemie</i> , 2020 , 132, 23672-23676	3.6	1
247	Enzyme-Triggered Nanomaterials and Their Applications. <i>ACS Symposium Series</i> , 2020 , 95-107	0.4	1
246	Engineered Interactions with Mesoporous Silica Facilitate Intracellular Delivery of Proteins and Gene Editing. <i>Nano Letters</i> , 2020 , 20, 4014-4021	11.5	26
245	Azide-Terminated RAFT Polymers for Biological Applications. <i>Current Protocols in Chemical Biology</i> , 2020 , 12, e85	1.8	2
244	Disulfide-containing Macromolecules for Therapeutic Delivery. <i>Israel Journal of Chemistry</i> , 2020 , 60, 132-139	3.4	14
243	Tunable enzyme responses in amphiphilic nanoassemblies through alterations in the unimer-aggregate equilibrium. <i>Chemical Science</i> , 2019 , 10, 3018-3024	9.4	10
242	Spatiotemporal control over the host-guest characteristics of a stimulus-triggerable trifunctional polymer assembly. <i>Polymer Chemistry</i> , 2019 , 10, 1423-1430	4.9	3
241	Sequential Nucleophilic "Click" Reactions for Functional Amphiphilic Homopolymers. <i>Polymer Chemistry</i> , 2019 , 10, 187-193	4.9	12
240	Tuning N,N-Diarylanilinosquaraine Crystal Packing: n-Hexylaryl and Fluoroaryl Substitution. <i>Crystal Growth and Design</i> , 2019 , 19, 3633-3638	3.5	
239	Modulating absorption and charge transfer in bodipy-carbazole donor-acceptor dyads through molecular design. <i>Dalton Transactions</i> , 2019 , 48, 8488-8501	4.3	12
238	Role of Oligoethylene Glycol Side Chain Length in Responsive Polymeric Nanoassemblies. <i>Langmuir</i> , 2019 , 35, 7929-7936	4	6
237	Antibody Delivery for Intracellular Targets: Emergent Therapeutic Potential. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1028-1041	6.3	48

236	Postfunctionalization of Noncationic RNA-Polymer Complexes for RNA Delivery. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 6982-6991	3.9	12
235	Reversible Click Chemistry for Ultrafast and Quantitative Formation of Protein-Polymer Nanoassembly and Intracellular Protein Delivery. <i>ACS Nano</i> , 2019 , 13, 9408-9420	16.7	33
234	Symbiotic Self-Assembly Strategy toward Lipid-Encased Cross-Linked Polymer Nanoparticles for Efficient Gene Silencing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24971-24983	9.5	8
233	Three-Component Sequential Reactions for Polymeric Nanoparticles with Tailorable Core and Surface Functionalities. <i>Chem</i> , 2019 , 5, 3166-3183	16.2	4
232	Dynamic Imine Chemistry at Complex Double Emulsion Interfaces. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18048-18055	16.4	31
231	Evaluation of carboxylic, phosphonic, and sulfonic acid protogenic moieties on tunable poly(meta-phenylene oxide) ionomer scaffolds. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 2209-2213	2.5	3
230	Cellular Uptake Evaluation of Amphiphilic Polymer Assemblies: Importance of Interplay between Pharmacological and Genetic Approaches. <i>Biomacromolecules</i> , 2019 , 20, 4407-4418	6.9	16
229	Cascaded Step-Growth Polymerization for Functional Polyamides with Diverse Architectures and Stimuli Responsive Characteristics. <i>ACS Macro Letters</i> , 2019 , 8, 245-249	6.6	11
228	Efficient enrichment of glycopeptides by supramolecular nanoassemblies that use proximity-assisted covalent binding. <i>Analyst, The</i> , 2019 , 144, 6321-6326	5	1
227	F MRI of Polymer Nanogels Aided by Improved Segmental Mobility of Embedded Fluorine Moieties. <i>Biomacromolecules</i> , 2019 , 20, 790-800	6.9	25
226	pH-Sensitive morphological transitions in polymeric tadpole assemblies for programmed tumor therapy. <i>Journal of Controlled Release</i> , 2019 , 293, 1-9	11.7	10
225	Bait-and-Switch Supramolecular Strategy To Generate Noncationic RNA-Polymer Complexes for RNA Delivery. <i>Biomacromolecules</i> , 2019 , 20, 435-442	6.9	21
224	Improved mass spectrometric detection of acidic peptides by variations in the functional group pK values of reverse micelle extraction agents. <i>Analyst, The</i> , 2018 , 143, 1434-1443	5	6
223	Propagation of Enzyme-Induced Surface Events inside Polymer Nanoassemblies for a Fast and Tunable Response. <i>Angewandte Chemie</i> , 2018 , 130, 7229-7233	3.6	
222	Propagation of Enzyme-Induced Surface Events inside Polymer Nanoassemblies for a Fast and Tunable Response. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7111-7115	16.4	9
221	Biodistribution Analysis of NIR-Labeled Nanogels Using in Vivo FMT Imaging in Triple Negative Human Mammary Carcinoma Models. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1180-1191	5.6	9
220	Supramolecular Assemblies for Transporting Proteins Across an Immiscible Solvent Interface. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2421-2425	16.4	15
219	Matrix Metalloproteinase-9-Responsive Nanogels for Proximal Surface Conversion and Activated Cellular Uptake. <i>Biomacromolecules</i> , 2018 , 19, 860-871	6.9	22

218	Fluorescence Enhancement Through Incorporation of Chromophores in Polymeric Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 407-413	3.2	2
217	Self-assembly of random co-polymers for selective binding and detection of peptides. <i>Polymer Chemistry</i> , 2018 , 9, 1066-1071	4.9	15
216	Photoactivation of Ligands for Extrinsicly and Intrinsicly Triggered Disassembly of Amphiphilic Nanoassemblies. <i>Chemistry - A European Journal</i> , 2018 , 24, 1789-1794	4.8	10
215	Dynamic actuation of glassy polymersomes through isomerization of a single azobenzene unit at the block copolymer interface. <i>Nature Chemistry</i> , 2018 , 10, 659-666	17.6	71
214	Molecular Features Influencing the Release of Peptides from Amphiphilic Polymeric Reverse Micelles. <i>Langmuir</i> , 2018 , 34, 4595-4602	4	8
213	Oligomers as Triggers for Responsive Liquid Crystals. <i>Langmuir</i> , 2018 , 34, 10092-10101	4	14
212	BODIPY dyads and triads: synthesis, optical, electrochemical and transistor properties. <i>Chemistry Central Journal</i> , 2018 , 12, 60		5
211	Lipogels for Encapsulation of Hydrophilic Proteins and Hydrophobic Small Molecules. <i>Biomacromolecules</i> , 2018 , 19, 132-140	6.9	7
210	Supramolecular Polymeric Assemblies for the Selective Depletion of Abundant Acidic Proteins in Serum. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40443-40451	9.5	3
209	Amphiphile-Induced Phase Transition of Liquid Crystals at Aqueous Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37618-37624	9.5	11
208	Water Permeability and Elastic Properties of an Archaea Inspired Lipid Synthesized by Click Chemistry. <i>Chemistry of Materials</i> , 2018 , 30, 3618-3622	9.6	6
207	Substituent Effects on the pH Sensitivity of Acetals and Ketals and Their Correlation with Encapsulation Stability in Polymeric Nanogels. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2306-2317	16.4	120
206	Effect of incorporating flat aromatic molecules on spherical polymeric nanoparticles. <i>Chemical Communications</i> , 2017 , 53, 5190-5192	5.8	2
205	Templated Self-Assembly of a Covalent Polymer Network for Intracellular Protein Delivery and Traceless Release. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5676-5679	16.4	117
204	Programmable Nanoassemblies from Non-Assembling Homopolymers Using Ad Hoc Electrostatic Interactions. <i>Angewandte Chemie</i> , 2017 , 129, 4209-4213	3.6	3
203	Programmable Nanoassemblies from Non-Assembling Homopolymers Using Ad Hoc Electrostatic Interactions. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4145-4149	16.4	16
202	Utilizing Inverse Emulsion Polymerization To Generate Responsive Nanogels for Cytosolic Protein Delivery. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4515-4524	5.6	18
201	Importance of Evaluating Dynamic Encapsulation Stability of Amphiphilic Assemblies in Serum. <i>Biomacromolecules</i> , 2017 , 18, 4163-4170	6.9	14

200	Nano-Armoring of Enzymes: Rational Design of Polymer-Wrapped Enzymes. <i>Methods in Enzymology</i> , 2017 , 590, 381-411	1.7	2
199	Supramolecular Polymers in Nanomedicine 2017 , 227-254		2
198	Altering the Peptide Binding Selectivity of Polymeric Reverse Micelle Assemblies via Metal Ion Loading. <i>Langmuir</i> , 2017 , 33, 14004-14010	4	3
197	Influence of Charge Density on Host-Guest Interactions within Amphiphilic Polymer Assemblies in Apolar Media. <i>Macromolecules</i> , 2017 , 50, 9734-9741	5.5	6
196	Multi-Stimuli-Responsive Amphiphilic Assemblies through Simple Postpolymerization Modifications. <i>Macromolecules</i> , 2016 , 49, 6186-6192	5.5	35
195	Photophysical and Electrochemical Characterization of BODIPY-Containing Dyads Comparing the Influence of an A-D-A versus D-A Motif on Excited-State Photophysics. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 8794-8803	2.8	12
194	Temporal and Triggered Evolution of Host-Guest Characteristics in Amphiphilic Polymer Assemblies. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7508-11	16.4	17
193	Role of Aromatic Interactions in Temperature-Sensitive Amphiphilic Supramolecular Assemblies. <i>Langmuir</i> , 2016 , 32, 2874-81	4	24
192	Polymer-mediated ternary supramolecular interactions for sensitive detection of peptides. <i>Analyst, The</i> , 2016 , 142, 118-122	5	6
191	Smart Organic Two-Dimensional Materials Based on a Rational Combination of Non-covalent Interactions. <i>Angewandte Chemie</i> , 2016 , 128, 10865-10869	3.6	15
190	Smart Organic Two-Dimensional Materials Based on a Rational Combination of Non-covalent Interactions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10707-11	16.4	34
189	Activatable Dendritic F Probes for Enzyme Detection. <i>ACS Macro Letters</i> , 2015 , 4, 422-425	6.6	20
188	Influence of backbone conformational rigidity in temperature-sensitive amphiphilic supramolecular assemblies. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5308-11	16.4	28
187	Supramolecular assembly of crosslinkable monomers for degradable and fluorescent polymer nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2858-2866	7.3	8
186	Effective Tuning of Ketocyanine Derivatives through Acceptor Substitution. <i>Chemistry - A European Journal</i> , 2015 , 21, 7721-5	4.8	6
185	Zwitterionic Amphiphilic Homopolymer Assemblies. <i>Polymer Chemistry</i> , 2015 , 6, 6083-6087	4.9	19
184	Polyamide Nanogels from Generally Recognized as Safe Components and Their Toxicity in Mouse Preimplantation Embryos. <i>Biomacromolecules</i> , 2015 , 16, 3491-8	6.9	7
183	A supramolecular dissociation strategy for protein sensing. <i>Chemical Communications</i> , 2015 , 51, 17265-85.8		26

182	Dye Encapsulation in Polynorbornene Micelles. <i>Langmuir</i> , 2015 , 31, 9707-17	4	9
181	Field Guide to Challenges and Opportunities in Antibody-Drug Conjugates for Chemists. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2198-215	6.3	61
180	Reactive Self-Assembly of Polymers and Proteins to Reversibly Silence a Killer Protein. <i>Biomacromolecules</i> , 2015 , 16, 3161-71	6.9	30
179	Photoinduced heterodisulfide metathesis for reagent-free synthesis of polymer nanoparticles. <i>Chemical Communications</i> , 2015 , 51, 1425-8	5.8	13
178	Experimental and theoretical investigations in stimuli responsive dendrimer-based assemblies. <i>Nanoscale</i> , 2015 , 7, 3817-37	7.7	56
177	Utilizing Reversible Interactions in Polymeric Nanoparticles To Generate Hollow Metal-Organic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12991-5	16.4	12
176	Utilizing Reversible Interactions in Polymeric Nanoparticles To Generate Hollow Metal-Organic Nanoparticles. <i>Angewandte Chemie</i> , 2015 , 127, 13183-13187	3.6	12
175	Protein-induced supramolecular disassembly of amphiphilic polypeptide nanoassemblies. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7286-9	16.4	66
174	Responsive single-chain polymer nanoparticles with host-guest features. <i>Polymer Chemistry</i> , 2015 , 6, 4828-4834	4.9	43
173	Small molecule BODIPY dyes as non-fullerene acceptors in bulk heterojunction organic photovoltaics. <i>Chemical Communications</i> , 2014 , 50, 2913-5	5.8	72
172	The effect of heteroatom conformation on optoelectronic properties of cyclopentadithiophene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 2474-8	3.9	8
171	Effect of Substituents on Optical Properties and Charge-Carrier Polarity of Squaraine Dyes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 1793-1799	3.8	17
170	pH responsive soft nanoclusters with size and charge variation features. <i>Polymer Chemistry</i> , 2014 , 5, 1737-1742	4.9	20
169	Unlocking a caged lysosomal protein from a polymeric nanogel with a pH trigger. <i>Biomacromolecules</i> , 2014 , 15, 4046-53	6.9	41
168	Crystallinity and morphology effects on a solvent-processed solar cell using a triarylamine-substituted squaraine. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11376-84	9.5	15
167	Protein and enzyme gated supramolecular disassembly. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2220-3	16.4	72
166	Thermoresponsive Polymeric Nanoparticles: Nucleation from Cooperative Polymerization Driven by Dative Bonds. <i>Macromolecules</i> , 2014 , 47, 5869-5876	5.5	21
165	Dual Stimuli - Dual Response Nanoassemblies Prepared from a Simple Homopolymer. <i>ACS Macro Letters</i> , 2014 , 3, 1-5	6.6	30

164	Supramolecular disassembly of facially amphiphilic dendrimer assemblies in response to physical, chemical, and biological stimuli. <i>Accounts of Chemical Research</i> , 2014 , 47, 2200-11	24.3	99
163	Protein-triggered supramolecular disassembly: insights based on variations in ligand location in amphiphilic dendrons. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5385-99	16.4	48
162	Improved performances in polymer BHJ solar cells through frontier orbital tuning of small molecule additives in ternary blends. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9920-4	9.5	22
161	Self-assembly of random copolymers. <i>Chemical Communications</i> , 2014 , 50, 13417-32	5.8	148
160	Environment-dependent guest exchange in supramolecular hosts. <i>Langmuir</i> , 2014 , 30, 12384-90	4	15
159	Composite supramolecular nanoassemblies with independent stimulus sensitivities. <i>Chemical Science</i> , 2014 , 5, 229-234	9.4	33
158	Advances in Polymer and Polymeric Nanostructures for Protein Conjugation. <i>European Polymer Journal</i> , 2013 , 49, 2906-2918	5.2	25
157	Surface charge generation in nanogels for activated cellular uptake at tumor-relevant pH. <i>Chemical Science</i> , 2013 , 4, 3654	9.4	49
156	Functionalizable Amine-based Polymer Nanoparticles. <i>ACS Macro Letters</i> , 2013 , 2, 948-951	6.6	16
155	Electrostatic control of peptide side-chain reactivity using amphiphilic homopolymer-based supramolecular assemblies. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14179-88	16.4	15
154	Synthesis of Nanogel-Protein Conjugates. <i>Polymer Chemistry</i> , 2013 , 4, 2464-2469	4.9	38
153	Effect of Hofmeister ions on the size and encapsulation stability of polymer nanogels. <i>Langmuir</i> , 2013 , 29, 50-5	4	29
152	Multi-stimuli responsive macromolecules and their assemblies. <i>Chemical Society Reviews</i> , 2013 , 42, 7421-35	35	488
151	Temperature-sensitive transitions below LCST in amphiphilic dendritic assemblies: host-guest implications. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8947-54	16.4	42
150	Zwitterionic moieties from the Huisgen reaction: a case study with amphiphilic dendritic assemblies. <i>Chemistry - A European Journal</i> , 2013 , 19, 16374-81	4.8	11
149	Effect of titanium oxide/polystyrene nanocomposite dielectrics on morphology and thin film transistor performance for organic and polymeric semiconductors. <i>Thin Solid Films</i> , 2012 , 520, 6262-6267	2.2	3
148	Accessing lipophilic ligands in dendrimer-based amphiphilic supramolecular assemblies for protein-induced disassembly. <i>Chemistry - A European Journal</i> , 2012 , 18, 223-9	4.8	27
147	Concurrent binding and delivery of proteins and lipophilic small molecules using polymeric nanogels. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6964-7	16.4	66

146	Synthesis and properties of thienopyrrole based heteroacenes--indolodibenzothienopyrrole and dicarbazolodithienopyrrole. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 3455-62	3.9	8
145	Characterisation of a dipolar chromophore with third-harmonic generation applications in the near-IR. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4371		15
144	Interconnected roles of scaffold hydrophobicity, drug loading, and encapsulation stability in polymeric nanocarriers. <i>Molecular Pharmaceutics</i> , 2012 , 9, 3569-78	5.6	26
143	Inclusion complexes between amphiphilic phenyleneethynylene fluorophores and cyclodextrins in aqueous media. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 12268-74	3.4	5
142	Ligand-decorated nanogels: fast one-pot synthesis and cellular targeting. <i>Biomacromolecules</i> , 2012 , 13, 1515-22	6.9	61
141	Predictably tuning the frontier molecular orbital energy levels of panchromatic low band gap BODIPY-based conjugated polymers. <i>Chemical Science</i> , 2012 , 3, 3093	9.4	59
140	Selective enrichment and sensitive detection of peptide and protein biomarkers in human serum using polymeric reverse micelles and MALDI-MS. <i>Analyst, The</i> , 2012 , 137, 1024-30	5	29
139	Stimuli Sensitive Amphiphilic Dendrimers. <i>New Journal of Chemistry</i> , 2012 , 36, 340-349	3.6	64
138	Supramolecular displacement-mediated activation of a silent fluorescence probe for label-free ligand screening. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7235-7	16.4	7
137	Macromolecular architectures for organic photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 4043-57	3.6	17
136	Synthesis and characterization of phenol-based biaryl proton conducting polymers. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 1187-1196	2.5	9
135	Polymer nanogels: a versatile nanoscopic drug delivery platform. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 836-51	18.5	459
134	Bioinspired Dendritic Light-Harvesting Systems 2012 , 397-417		
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17	A Brief Introduction to Supramolecular Chemistry in a Polymer Context1-7		
16	Molecular Recognition Using Amphiphilic Macromolecules9-36		1
15	Supramolecular Control of Mechanical Properties in Single Molecules, Interfaces, and Macroscopic Materials37-62		
14	Hydrogen Bond Functionalized Block Copolymers and Telechelic Oligomers63-102		
13	Noncovalent Side Chain Modification103-136		
12	Polymer-Mediated Assembly of Nanoparticles Using Engineered Interactions137-155		1
11	Metallosupramolecular Polymers, Networks, and Gels157-178		9
10	Polymeric Capsules: Catalysis and Drug Delivery179-205		2
9	Sequence-Specific Hydrogen Bonded Units for Directed Association, Assembly, and Ligation207-234		
8	Bioinspired Supramolecular Design in Polymers for Advanced Mechanical Properties235-258		1
7	Structure and Self-Assembly of Amphiphilic Dendrimers in Water259-306		3
6	Colorimetric Sensing and Biosensing Using Functionalized Conjugated Polymers307-334		
5	Glycodendrimers and other Macromolecules Bearing Multiple Carbohydrates335-358		3
4	Supramolecular Polymerization of Peptides and Peptide Derivatives: Nanofibrous Materials359-393		
3	Molecular Imprinting for Sensor Applications395-429		5

2 Two photon absorbing chromophores for broadband optical limiting 1

1 Self-assembly of polymers from multicomponent reactions. *Polymer International*, 33 0