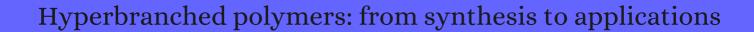
CITATION REPORT List of articles citing



DOI: 10.1016/j.progpolymsci.2003.12.002 Progress in Polymer Science, 2004, 29, 183-275.

Source: https://exaly.com/paper-pdf/37189022/citation-report.pdf

Version: 2024-04-10

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

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

#	Paper	IF	Citations
1860	Preparation and characterization of hyperbranched polyaspartimides from bismaleimides and triamines. 2004 , 42, 5921-5928		30
1859	Separation of azeotropic mixtures using hyperbranched polymers or ionic liquids. 2004 , 50, 2439-2454		290
1858	Synthesis and Characterization of Hyperbranched Poly(瞅etoester) by the Michael Addition. 2004 , 289, 923-926		29
1857	Controlled Variation of Spacer Segment in Hyperbranched Polymers: From Densely Branched to Lightly Branched Systems. <i>Macromolecules</i> , 2004 , 37, 9814-9820	5.5	40
1856	One-Pot Synthesis of Amphiphilic CoreBhell Suprabranched Macromolecules. <i>Macromolecules</i> , 2004 , 37, 6264-6267	5.5	43
1855	Total Core Functionalization of a Hyperbranched Polymer. <i>Macromolecules</i> , 2004 , 37, 7428-7431	5.5	25
1854	Synthesis and properties of hyperbranched conjugated porphyrins. 2004 , 6, 4703-6		25
1853	Facile Syntheses and Characterization of Hyperbranched Poly(ester mide)s from Commercially Available Aliphatic Carboxylic Anhydride and Multihydroxyl Primary Amine. <i>Macromolecules</i> , 2004 , 37, 7584-7594	5.5	34
1852	Macromolecular engineering: From rational design through precise macromolecular synthesis and processing to targeted macroscopic material properties. <i>Progress in Polymer Science</i> , 2005 , 30, 858-875	29.6	350
1851	Polyelectrolyte-functionalized multiwalled carbon nanotubes: preparation, characterization and layer-by-layer self-assembly. <i>Polymer</i> , 2005 , 46, 2472-2485	3.9	132
1850	Understanding the structure development in hyperbranched polymers prepared by oligomeric A2+B3 approach: comparison of experimental results and simulations. <i>Polymer</i> , 2005 , 46, 4533-4543	3.9	67
1849	Effect of nitrobenzene on initiator-fragment incorporation radical polymerization of divinylbenzene with dimethyl 2,2?-azobisisobutyrate. <i>Polymer</i> , 2005 , 46, 8964-8972	3.9	20
1848	Formation of cylindrical phase structure in PMMA/HBP polymer blend films. <i>Polymer</i> , 2005 , 46, 12004-1	2009	10
1847	Carbon dendron nano-chains with Eextended conjugation based on end-capped N,N-dimethylamino in linear 1,4-phenylethynyl or in 1,5-naphthylethynyl subunits: fluorescence analysis. 2005 , 61, 2047-2054		9
1846	Structural aspects of copper catalyzed atom transfer radical polymerization. 2005 , 249, 1155-1184		251
1845	Facile synthesis of hyperbranched polymers. 2005 , 15, 241-242		1
1844	Structure and Properties of Poly(butyl acrylate-block-sulfone-block-butyl acrylate) Triblock Copolymers Prepared by ATRP. 2005 , 206, 33-42		33

(2005-2005)

1	1843	Formation of Soluble Hyperbranched Polymer Nanoparticles by Initiator-Fragment Incorporation Radical Polymerization of Ethylene Glycol Dimethacrylate. 2005 , 206, 860-868		13	
1	2842	Hyperbranched Poly(arylene ether amide) via Nucleophilic Aromatic Substitution Reaction. 2005 , 206, 1862-1869		33	
1	2841	Michael Addition Polymerizations of Trifunctional Amines with Divinyl Sulfone. 2005 , 206, 2182-2189		14	
1	2840	Aliphatic Hyperbranched Copolyesters by Combination of ROP and AB2-Polycondensation. 2005 , 206, 2421-2428		30	
1	1839	Comparison of Hyperbranched and Linear Polyglycidol Unimolecular Reverse Micelles as Nanoreactors and Nanocapsules. 2005 , 26, 155-159		58	
1	1838	Macromonomers having different molecular weights of polyethylene glycol and end group functionalities in dispersion polymerization of styrene. <i>Polymer</i> , 2005 , 46, 7974-7981	3.9	21	
1	1837	Synthesis and characterization of a series of star-branched poly(Laprolactone)s with the variation in arm numbers and lengths. <i>Polymer</i> , 2005 , 46, 9725-9735	3.9	31	
1	2836	Preparation, Characterization and H2O2 Selectivity of Hyperbranched Polyimides Containing Triazine. <i>Journal of Polymer Research</i> , 2005 , 12, 205-210	2.7	14	
1	2835	Block and random copolymers as surfactants for dispersion polymerization. I. Synthesis via atom transfer radical polymerization and ring-opening polymerization. 2005 , 43, 1498-1510		105	
1	2834	One-pot synthesis of linear and branched poly(amide aspartimide)s with good solubility in organic solvents. 2005 , 43, 1923-1929		9	
1	1833	Hyperbranched polymers generated from oxyanionic vinyl polymerization of commercially available methacrylate inimers. 2005 , 43, 3502-3509		34	
1	2832	Hyperbranched polymersAll problems solved after 15 years of research?. 2005 , 43, 2679-2699		351	
1	1831	ATRP of butyl acrylates from functionalized carbon black surfaces. 2005 , 43, 4695-4709		71	
1	1830	Synthesis, crystallization, and morphology of star-shaped poly(Eaprolactone). 2005 , 43, 5449-5457		48	
1	829	Synthesis and properties of highly branched polycations with an aliphatic polyether scaffold. 2005 , 43, 4609-4617		20	
1	828	Synthesis of a thermoresponsive shell-crosslinked 3-layer onion-like polymer particle with a hyperbranched polyglycerol core. 2005 , 43, 5652-5660		37	
1	827	Living Radical Polymerization. 2005 , 451-585		36	
1	826	Interfacial properties of amphiphilic dendritic polymers. 2005 , 375-418		2	

1825	Structure, Solution Aggregation and UV Curing of Hyperbranched Poly(ester-amine)s with Terminal Acrylate Groups. <i>Polymer Journal</i> , 2005 , 37, 255-261	2.7	12
1824	Effect of the Degree of Branching on Atomic-Scale Free Volume in Hyperbranched Poly[3-ethyl-3-(hydroxymethyl)oxetane]. A Positron Study. <i>Macromolecules</i> , 2005 , 38, 9644-9649	5.5	51
1823	Hyperbranched (Co)Polymers via Free Radical Polymerization of Polymerizable Barton Esters Industrial & Engineering Chemistry Research, 2005, 44, 8699-8706	3.9	3
1822	Synthesis of Dendrimer-Like Polystyrene by Atom Transfer Radical Polymerization and Investigation of Their Viscosity Behavior. <i>Macromolecules</i> , 2005 , 38, 3120-3128	5.5	85
1821	Synthesis and characterization of graft and branched polymers via type-II photoinitiation. 2005 , 8, 645-	658	2
1820	Initiator-Fragment Incorporation Radical Polymerization of Divinyl Adipate with Dimethyl 2,2FAzobis(isobutyrate): Kinetics and Formation of Soluble Hyperbranched Polymer. <i>Macromolecules</i> , 2005 , 38, 1627-1632	5.5	39
1819	Viscoelastic Relaxation and Molecular Mobility of Hyperbranched Poly(Ecaprolactone)s in Their Melt State. 2005 , 17, 1148-1156		21
1818	Hyperbranched Oxadiazole-Containing Polyfluorenes: Toward Stable Blue Light PLEDs. <i>Macromolecules</i> , 2005 , 38, 6755-6758	5.5	101
1817	Static and Dynamic Behavior in Model Dendrimer Melts: Toward the Glass Transition. <i>Macromolecules</i> , 2005 , 38, 4472-4483	5.5	38
1816	Effect of Feed Rate on Structure of Hyperbranched Polymers Formed by Self-Condensing Vinyl Polymerization in Semibatch Reactor. <i>Macromolecules</i> , 2005 , 38, 8252-8257	5.5	43
1815	Preparation of Hyperbranched Aliphatic Polyester Derived from Functionalized 1,4-Dioxan-2-one. <i>Macromolecules</i> , 2005 , 38, 6244-6247	5.5	34
1814	Facile Synthesis and Characterization of Aromatic and Semiaromatic Hyperbranched Poly(ester mide)s. <i>Macromolecules</i> , 2005 , 38, 8235-8243	5.5	16
1813	Synthesis and characterization of biodegradable hyperbranched poly(ester-amide)s based on natural material. 2005 , 6, 3181-8		47
1812	Hyperbranched Polymers. Synthesis, Modeling, Experimental Validation, and Rheology of Hyperbranched Poly(methyl methacrylate) Derived from a Multifunctional Monomer (MFM) Route. <i>Industrial & Derived From Sevence (MFM)</i> Route.	3.9	11
1811	Organosilicon Dendritic Networks in Porous Ceramics for Water Purification. 2005 , 17, 3439-3444		57
1810	Synthesis and Characterization of Polyurethane-Derived Telechelic Macromonomer Cross-Linkable Stabilizer (TMCS). <i>Macromolecules</i> , 2005 , 38, 2686-2690	5.5	13
1809	Glycerol Copolyesters: Control of Branching and Molecular Weight Using a Lipase Catalyst. <i>Macromolecules</i> , 2005 , 38, 3193-3204	5.5	113
1808	Step-Growth ClicklCoupling of Telechelic Polymers Prepared by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2005 , 38, 3558-3561	5.5	403

(2006-2005)

1	1807	Toward High Molecular Weight Triphenylamine-Based Hyperbranched Polymers. <i>Macromolecules</i> , 2005 , 38, 2651-2658	5.5	79	
	1806	A New Route to Hyperbranched Macromolecules: Syntheses of Photosensitive Poly(aroylarylene)s via 1,3,5-Regioselective Polycyclotrimerization of Bis(aroylacetylene)s. <i>Macromolecules</i> , 2005 , 38, 6382	- <i>6</i> 3∙9⊤1	70	
1	1805	Hyperbranched Azo-Polymers Synthesized by Azo-Coupling Reaction of an AB2 Monomer and Postpolymerization Modification. <i>Macromolecules</i> , 2005 , 38, 8657-8663	5.5	84	
-	1804	Synthesis and Chemical Degradation of Branched Vinyl Polymers Prepared via ATRP: Use of a Cleavable Disulfide-Based Branching Agent. <i>Macromolecules</i> , 2005 , 38, 8155-8162	5.5	195	
-	1803	Polyurea-functionalized multiwalled carbon nanotubes: synthesis, morphology, and Raman spectroscopy. 2005 , 109, 11925-32		213	
	1802	Synthesis and Direct Topology Visualization of High-Molecular-Weight Star PMMA. <i>Macromolecules</i> , 2005 , 38, 2093-2100	5.5	40	
-	1801	Highly Branched Poly(N-isopropylacrylamide)s with Imidazole End Groups Prepared by Radical Polymerization in the Presence of a Styryl Monomer Containing a Dithioester Group. <i>Macromolecules</i> , 2005 , 38, 4595-4603	5.5	136	
-	1800	Employing Imine Macrocycle Ligand in the Atom Transfer Radical Polymerization of Methyl Methacrylate. 2005 , 42, 1047-1061		2	
-	1799	Activator Generated by Electron Transfer for Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2005 , 38, 4139-4146	5.5	499	
-	1798	Role of Topology and Amphiphilicity for Guest Encapsulation in Functionalized Hyperbranched Poly(ethylenimine)s. <i>Macromolecules</i> , 2005 , 38, 227-229	5.5	91	
1	1797	Formation of Short and Long Chain Branches during the Free Radical Functionalization of Polyamide 6 in the Melt. <i>Macromolecules</i> , 2006 , 39, 2153-2161	5.5	17	
-	1796	Synthesis and Characterization of Crystalline Hyperbranched Polysiloxysilane with POSS Groups at the Terminal Position. <i>Macromolecules</i> , 2006 , 39, 8892-8894	5.5	33	
-	1795	Hyperbranched polymers as drug carriers: microencapsulation and release kinetics. 2006 , 11, 55-70		42	
-	1794	Advances in cycloaddition polymerizations. 2006 , 35, 280-312		125	
1	1793	Effective Acid-Catalyzed Synthesis of 100% Hyperbranched Polyacenaphthenones. <i>Macromolecules</i> , 2006 , 39, 5183-5186	5.5	33	
-	1792	Synergistic Supramolecular Encapsulation of Amphiphilic Hyperbranched Polymer to Dyes. <i>Macromolecules</i> , 2006 , 39, 8102-8111	5.5	82	
-	1791	Synthesis and thermal decomposition of a novel hyperbranched polyphosphate ester used for flame retardant systems. 2006 , 91, 1289-1294		53	
	1790	Hyperbranched polyselenides as glutathione peroxidase mimics. 2006 , 796-8		71	

1789	Hyperbranched Polymer through Initiator-Fragment Incorporation Radical Copolymerization of Divinyl Adipate with Allyl Acetate: Synthesis, Characterization, Dye Solubilization, Metal-Nanoparticle Stabilization, and Porous Film Formation. <i>Polymer Journal</i> , 2006 , 38, 240-249	2.7	9
1788	Ring-Opening Polymerization of Ecaprolactone by Means of Mono- and Multifunctional Initiators: Comparison of Chemical and Enzymatic Catalysis. <i>Macromolecules</i> , 2006 , 39, 3184-3193	5.5	76
1787	Hyperbranched Poly(phenylquinoxaline@ther@etone) Synthesis in Poly(phosphoric acid)/P2O5Medium: Optimization and Some Interesting Observations. <i>Macromolecules</i> , 2006 , 39, 2794-	-25803	11
1786	Synthesis of Hyperbranched Poly(arylene ether) from Monomer Containing Nitro Group: Kinetically Controlled Growth of Polymer Chain through Dynamic Exchange of End Functional Groups. <i>Macromolecules</i> , 2006 , 39, 7190-7192	5.5	12
1785	Synthesis, Characterization, and Viscoelastic Properties of High Molecular Weight Hyperbranched Polyglycerols. <i>Macromolecules</i> , 2006 , 39, 7708-7717	5.5	220
1784	Highly Branched Poly(ether ester)s via Cyclization-Free Melt Condensation of A2 Oligomers and B3 Monomers. <i>Macromolecules</i> , 2006 , 39, 2788-2793	5.5	57
1783	Distribution of Dendritic, Terminal and Linear Units and Relationship between Degree of Branching and Molecular Weight of AB2-Type Hyperbranched Polymer: A 13C-NMR Study. 2006 , 43, 1387-1397		7
1782	Water-Dispersible Carbon Black Nanocomposites Prepared by Surface-Initiated Atom Transfer Radical Polymerization in Protic Media. <i>Macromolecules</i> , 2006 , 39, 548-556	5.5	71
1781	Preparation and Properties of Hyperbranched Polymers Having Charge-Transporting Groups from A2 + B3 Monomer Systems. 2006 , 63, 656-662		2
1780	Synthesis of Hyperbranched Aromatic Poly(ether sulfone) with Sulfonyl Chloride Terminal Groups. 2006 , 35, 1196-1197		19
1779	Modification of Anodized Aluminum Film by Hyperbranched Poly(siloxysilane)s in Conductive Polymer Aluminum Solid Electrolytic Capacitor. 2006 , 35, 134-135		7
1778	Hyperbranched polycarbosiloxane with dendritic boron cores: Synthesis, characterization, and structure regulation. 2006 , 44, 3930-3941		33
1777	CoreBhell-type multiarm star polyethylenimine-block-poly(Etaprolactone): Synthesis and guest encapsulation potential. 2006 , 44, 4165-4173		65
1776	Controlling grafting density and side chain length in poly(n-butyl acrylate) by ATRP copolymerization of macromonomers. 2006 , 44, 5454-5467		70
1775	Synthesis of branched polystyrene by ATRP exploiting divinylbenzene as branching comonomer. 2006 , 42, 2573-2580		15
1774	Hyperbranched polymers: Phase behavior and new applications in the field of chemical engineering. 2006 , 241, 155-174		155
1773	Cytotoxicity, haematotoxicity and genotoxicity of high molecular mass arborescent polyoxyethylene polymers with polyglycidol-block-containing shells. 2006 , 30, 248-52		28
1772	Multi-functional monomer derived hyperbranched poly(methyl methacrylate): Kinetic modelling and experimental validation. 2006 , 61, 1421-1433		12

(2006-2006)

1771	Controlling surface morphologies of self-assembled films through adjusting amphiphilic balance of hyperbranched poly(ester-amine)s in water by solution pH. 2006 , 275, 177-182		7	
1770	Study of the solidliquid interface of hydroxyl-terminated hyperbranched aromatic polyesters (HBP-OH) in aqueous media: I. Characterisation of the properties and swelling behaviour of HBP-OH thin films. 2006 , 279, 20-27		11	
1769	Synthesis of water-soluble hyperbranched polymer and its application in acrylic latex. 2006 , 42, 286-29	1	18	
1768	Recent mechanistic developments in atom transfer radical polymerization. 2006 , 254, 155-164		69	
1767	Temperature-dependent FTIR spectroscopic and thermoanalytic studies of hydrogen bonding of hydroxyl (phenolic group) terminated hyperbranched aromatic polyesters. 2006 , 788, 80-88		77	
1766	Distribution function of hyperbranched polymers formed by AB2 type polycondensation with substitution effect. <i>Polymer</i> , 2006 , 47, 1473-1479	3.9	38	
1765	Synthesis and characterization of cross-type vinylurethane macromonomer (C-VUM) and their application in the dispersion polymerization of styrene. <i>Polymer</i> , 2006 , 47, 1830-1836	3.9	8	
1764	Physical properties, crystallization kinetics, and spherulitic growth of well-defined poly(Etaprolactone)s with different arms. <i>Polymer</i> , 2006 , 47, 3218-3228	3.9	58	
1763	Preparation of hyperbranched copolymers of maleimide inimer and styrene by ATRP. <i>Polymer</i> , 2006 , 47, 3382-3389	3.9	30	
1762	Hyperbranched polyimides crosslinked with ethylene glycol diglycidyl ether: Glass transition dynamics and permeability. <i>Polymer</i> , 2006 , 47, 6765-6772	3.9	18	
1761	Syntheses, characterization, and energy transfer properties of benzothiadiazole-based hyperbranched polyfluorenes. <i>Polymer</i> , 2006 , 47, 7382-7390	3.9	27	
1760	The adsorption of hyperbranched polymers on silicon oxide surfaces. 2006 , 301, 32-9		19	
1759	Hyperbranched polymers: unique design tool for coatings. 2006 , 89, 333-342		12	
1758	Synthesis of functionalized fluorine-containing hyperbranched poly(aryl ether ketones) for optical applications. 2006 , 48, 1035-1040		7	
1757	Soluble hyperbranched polymers with high inner surface areas. 2006 , 16, 79		3	
1756	Novel hyperbranched poly(phenylene oxide)s with phenolic terminal groups: synthesis, characterization, and modification. <i>Polymer</i> , 2006 , 47, 1511-1518	3.9	29	
1755	Soluble hyperbranched copolymer via initiator-fragment incorporation radical copolymerization using a trivinyl monomer. <i>Polymer</i> , 2006 , 47, 4630-4637	3.9	22	
1754	Highly effective and slow-biodegradable network-type cationic gene delivery polymer: small library-like approach synthesis and characterization. 2006 , 27, 2292-301		26	

1753	Is the polydispersity exponent of the hyperbranched polymers the 3/2 or 5/2?. 2006 , 51, 1526-1528		1
1752	Synthesis and characterization of hyperbranched and air drying fatty acid based resins. <i>Progress in Organic Coatings</i> , 2006 , 55, 330-336	4.8	49
1751	Synthesis of amphiphilic hyperbranched polyglycerol polymers and their application as template for size control of gold nanoparticles. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 509-514	2.9	33
1750	Synthesis and characterization of soluble hyperbranched polymer via initiator-fragment incorporation radical polymerization of divinylbenzene with dimethyl 2,2?-azobisisobutyrate. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 664-670	2.9	4
1749	Synthesis and characterization of the environmental-sensitive hyperbranched polymers as novel carriers for controlled drug release. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 311-316	2.9	12
1748	Preparation of hyperbranched polymers through ATRP of in situ formed AB* monomer. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 850-856	2.9	19
1747	Structure and mechanical properties of thermoplastic polyurethane, based on hyperbranched polyesters. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5266-5273	2.9	29
1746	Broadband Dielectric Spectroscopy Studies of Hyperbranched Polyglycerols. 2006 , 207, 970-977		14
1745	NMR Study of Hyperbranched Polyphenylenes from the AB2, (AB2 + AB) and (A2 + B3) Methods. 2006 , 207, 1814-1824		20
1744	Novel Branched Polyphenylenes based on A2/B3 and AB2/AB Monomers via Diels-Alder Cycloaddition. 2006 , 207, 1825-1833		36
1743	Hyperbranched Acrylate Copolymer via Initiator-Fragment Incorporation Radical Copolymerization of Divinylbenzene and Ethyl Acrylate: Synthesis, Characterization, Hydrolysis, Dye-Solubilization, Ag Particle-Stabilization, and Porous Film Formation. 2006 , 291, 162-172		8
1742	Monitoring of the Synthesis of Hyperbranched Poly(urea-urethane)s by Real-Time Attenuated Total Reflection (ATR)-FT-IR Spectroscopy. 2006 , 291, 470-476		16
1741	Synthesis of Alkyl-Functionalized Hyperbranched Polymers and Their Use as Additives in Cationic Photopolymerization of Epoxy Resins. 2006 , 291, 1004-1012		10
1740	Preparation and Characterization of Hyperbranched Polymer/Silica Hybrid Nanocoatings by Dual-Curing Process. 2006 , 291, 1287-1292		58
1739	Supramolecular Thermotropic Liquid Crystalline Materials with Nematic Mesophase Based on Methylated Hyperbranched Polyethylenimine and Mesogenic Carboxylic Acid. 2006 , 27, 69-75		27
1738	Developments in Membrane Research: from Material via Process Design to Industrial Application. 2006 , 8, 328-358		194
1737	Synthesis and Peptide-Induced Degradation of Biocompatible Fibers Based on Highly Branched Poly(2-hydroxyethyl methacrylate). 2006 , 18, 1566-1570		67
1736	Atom Transfer Radical Polymerization of Methyl Methacrylate with 照各Tetrachloroxylene as an Initiator. 2006 , 43, 1445-1458		

1735	Synthesis and Striking Fluorescence Properties of Hyperbranched Poly(amido amine). 2007, 44, 417-424		46
1734	Adsorption of Hyperbranched Polysiloxysilane Modified with Triethoxy Group onto the Silicon Wafer. 2007 , 19, 700-710		3
1733	Dye-Encapsulation Selectivity of Amphiphilic Dendritic Boxes. 2007 , 121-123, 717-720		2
1732	Preparation and Properties of New A2+B3 Type Hyperbranched Polymers Containing Heterocyclic Mesogen Units in the Interior. 2007 , 64, 929-936		3
1731	Step-Growth Polymerization. 273-314		6
1730	Hyperbranched Polymers in Cationic UV Curing. 2007 , 254, 9-15		13
1729	Two Routes for Immobilization of a Hyperbranched OH-Terminated Polyester on a Silicon Surface. 2007 , 254, 240-247		6
1728	Cycloaddition Reactions and Dendritic Polymer Architectures [A Perfect Match. 2007 , 254, 16-24		7
1727	Removal of some organic pollutants in water employing ceramic membranes impregnated with cross-linked silylated dendritic and cyclodextrin polymers. 2007 , 41, 476-86		102
1726	Topology-Engineered Hyperbranched High-Molecular-Weight Polyethylenes as Lubricant Viscosity-Index Improvers of High Shear Stability. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 1174-1178	3.9	45
1725	Dendrimer-like polymers: a new class of structurally precise dendrimers with macromolecular generations. 2007 , 31, 1097		67
1724	Thermal control over the topology of cleavable polymers: from linear to hyperbranched structures. 2007 , 129, 5354-5		96
1723	Synthesis, Thermal Stability, and Linear and Nonlinear Optical Properties of Hyperbranched Polyarylenes Containing Carbazole and/or Fluorene Moieties. <i>Macromolecules</i> , 2007 , 40, 1914-1925	5.5	59
1722	A physical gel made from hyperbranched polymer gelator. 2007 , 2587-9		43
1721	The potential of cycloaddition reactions in the synthesis of dendritic polymers. 2007, 31, 1139-1151		65
1720	Kinetic Analysis of Two Hyperbranched A2 + B3 Polycondensation Reactions by NMR Spectroscopy. <i>Macromolecules</i> , 2007 , 40, 6846-6858	5.5	55
1719	Highly congested liquid crystal structures: dendrimers, dendrons, dendronized and hyperbranched polymers. 2007 , 36, 1889-901		150
1718	Metal-Free, Regioselective Diyne Polycyclotrimerization: Synthesis, Photoluminescence, Solvatochromism, and Two-Photon Absorption of a Triphenylamine-Containing Hyperbranched Poly(aroylarylene). <i>Macromolecules</i> 2007 40, 4879-4886	5.5	63

1717	First Shell Substitution Effects in Hyperbranched Polymers:□Kinetic R ecursive Probability Analysis. <i>Macromolecules</i> , 2007 , 40, 7378-7392	5.5	8
1716	Synthesis, Characterization, and Functionalization of Hyperbranched Poly(3,4-epoxycyclohexanemethanol). <i>Macromolecules</i> , 2007 , 40, 9313-9321	5.5	16
1715	Synthesis and characterization of branched polymers from lipase-catalyzed trimethylolpropane copolymerizations. 2007 , 8, 1794-801		41
1714	Controlling Polymer Architecture in the Thermal Hyperbranched Polymerization of l-Lysine. <i>Macromolecules</i> , 2007 , 40, 5726-5734	5.5	38
1713	Interpretation of Molecular Structure and Kinetics in Melt Condensation of A2Oligomers, B3Monomers, and Monofunctional Reagents. <i>Macromolecules</i> , 2007 , 40, 6529-6534	5.5	33
1712	Improving hydrophilicity and protein resistance of poly(vinylidene fluoride) membranes by blending with amphiphilic hyperbranched-star polymer. <i>Langmuir</i> , 2007 , 23, 5779-86	4	229
1711	Hyperbranched Polymers as a Fixing Agent for Dissolved and Colloidal Substances on Fiber and SIO2 Surfaces. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 2212-2219	3.9	15
1710	Hyperbranched poly(epsilon-caprolactone) as a nonmigrating alternative plasticizer for phthalates in flexible PVC. 2007 , 41, 3763-8		65
1709	"Green" atom transfer radical polymerization: from process design to preparation of well-defined environmentally friendly polymeric materials. 2007 , 107, 2270-99		1132
1708	Effects of topology and size on statics and dynamics of complexes of hyperbranched polymers with linear polyelectrolytes. 2007 , 127, 214903		24
1707	Study of Hydrogen-Bonded Blend of Polylactide with Biodegradable Hyperbranched Poly(ester amide). <i>Macromolecules</i> , 2007 , 40, 6257-6267	5.5	168
1706	Dendrons on insoluble supports: synthesis and applications. 2007 , 31, 1218		46
1705	. 2007,		63
1704	Water-soluble dendritic core-shell-type architectures based on polyglycerol for solubilization of hydrophobic drugs. 2007 , 13, 4187-96		82
1703	Studies on the preparation of branched polymers from styrene and divinylbenzene. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 3323-3327	2.9	3
1702	Hyperbranched aromatic polyamines with s-triazine rings. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 95-102	2.9	23
1701	Honeycomb-patterned photoluminescent films fabricated by self-assembly of hyperbranched polymers. 2007 , 46, 4128-31		104
1700	Honeycomb-Patterned Photoluminescent Films Fabricated by Self-Assembly of Hyperbranched Polymers. 2007 , 119, 4206-4209		6

1699	A Hyperbranched, Highly Deliquescent Polymer. 2007 , 19, 4548-4551		13
1698	Hyperbranched Polymer/TiO2 Hybrid Nanoparticles Synthesized via an In Situ Sol-Gel Process. 2007 , 208, 76-86		37
1697	Structure Design of Novel Hyperbranched Polycarbosilazanes: Synthesis and Characterization. 2007 , 208, 541-548		13
1696	Thermo-Responsive Highly Branched Polyethers by Proton-Transfer Polymerization of 1,2,7,8-Diepoxyoctane and Multiols. 2007 , 208, 1637-1645		35
1695	Novel Multifunctional Polymeric Photoinitiators and Photo-Coinitiators Derived from Hyperbranched Polyglycerol. 2007 , 208, 1694-1706		32
1694	Synthesis and Characterization of Hyperbranched Polymers from the Polymerization of Glycidyl Methacrylate and Styrene Using Cp2TiCl as a Catalyst. 2007 , 208, 2686-2697		15
1693	Dendritic Polymers Based on Urethane Chemistry (Syntheses and Applications. 2007, 292, 981-992		30
1692	A Facile Two-Step Route to Branched Polyisoprenes via ABn-Macromonomers. 2007 , 28, 704-709		28
1691	Investigating the Molecular Architecture of Hyperbranched Polymers. 2007, 28, 1312-1316		10
1690	Polycondensation of EllbnDr El2 + + bnlMonomers - A Comparison. 2007, 28, 1839-1870		33
1689	Second-order nonlinear optical hyperbranched polymers via facile ring-opening addition reaction of azetidine-2,4-dione. 2007 , 43, 3988-3996		24
1688	Branched versus linear polyisoprene: Fractionation and phase behavior. 2007 , 43, 4236-4243		16
1687	Hyperbranched polymer conjugated lipase with enhanced activity and stability. 2007, 36, 93-99		42
1686	In vitro biological evaluation of high molecular weight hyperbranched polyglycerols. 2007 , 28, 4581-90		205
1685	s-Triazine containing flame retardant hyperbranched polyamines: Synthesis, characterization and properties evaluation. 2007 , 92, 947-955		83
1684	Synthesis and thermal degradation behaviors of hyperbranched polyphosphate. 2007 , 92, 1788-1794		30
1683	Synthesis and application as polymer electrolyte of hyperbranched copolyethers derived from cationic ring-opening polymerization of 3-{2-[2-(2-methoxyethoxy)ethoxy]ethoxy}methyl- and 3-hydroxymethyl-3?-methyloxetane. <i>Polymer</i> , 2007 , 48, 1550-1556	3.9	15
1682	Surface segregation of branched polyethyleneimines in a thermoplastic polyurethane. <i>Polymer</i> , 2007 , 48, 2818-2826	3.9	12

1681	A unimolecular nanocapsule: Encapsulation property of amphiphilic polymer based on hyperbranched polythreitol. <i>Polymer</i> , 2007 , 48, 4683-4690	3.9	54
1680	Structural engineering of polyurethane coatings for high performance applications. <i>Progress in Polymer Science</i> , 2007 , 32, 352-418	29.6	1206
1679	Hyperbranched polyethylenimines as versatile precursors for the preparation of different type of unimolecular micelles. <i>Reactive and Functional Polymers</i> , 2007 , 67, 383-395	4.6	59
1678	Reversible addition f ragmentation chain transfer mediated radical polymerization of asymmetrical divinyl monomers targeting hyperbranched vinyl polymers. 2007 , 45, 26-40		58
1677	Tuning the optical properties of hyperbranched polymers through the modification of the end groups. 2007 , 45, 111-124		33
1676	Synthesis and polymerization of first-generation dendritic methacrylate macromonomers. 2007 , 45, 614	-628	5
1675	Novel route for synthesizing hyperbranched polyamine. 2007 , 45, 699-708		6
1674	Synthesis of hyperbranched polymers with precise conjugation length. 2007 , 45, 1084-1092		17
1673	Thermoresponsive hyperbranched polyethylenimines with isobutyramide functional groups. 2007 , 45, 1177-1184		68
1672	Dramatic effect of solvent on the NMR spectral resolution of hyperbranched polyethers. 2007 , 45, 1474	-1480	16
1671	Hyperbranched poly(etherŪrea)s using AB2-type blocked isocyanate monomer and azide monomer: Synthesis, characterization, reactive end functionalization, and copolymerization with AB monomer. 2007 , 45, 2959-2977		10
1670	Preparation and properties of novel thermotropic liquid crystalline hyperbranched polyesters composed of five-membered heterocyclic mesogen by A2 + B3 approach. 2007 , 45, 2998-3008		25
1669	Synthesis and properties of hyperbranched polyurethanes, hyperbranched polyurethane copolymers with and without ether and ester groups using blocked isocyanate monomers. 2007 , 45, 3877-3893		23
1668	Facile synthesis and characterization of hyperbranched poly(ether amide)s generated from Michael addition polymerization of in situ created AB2 monomers. 2007 , 45, 4309-4321		12
1667	Polycyclotrimerization of aromatic diynes: Synthesis, thermal stability, and light-emitting properties of hyperbranched polyarylenes. 2007 , 45, 4249-4263		6
1666	Synthesis and characterization of hyperbranched polyfluorenes containing triarylpyrazoline cores towards efficient blue light-emitting diodes. 2007 , 45, 5296-5307		25
1665	Synthesis of a novel aromatic liphatic hyperbranched polyamide and its application in piezoelectric immunosensors. 2007 , 56, 1432-1439		11
1664	Synthesis of an amino-terminated hyperbranched polymer and its application in reactive dyeing on cotton as a salt-free dyeing auxiliary. 2007 , 123, 351-357		111

(2008-2007)

1663	Hyperbranched polyamine: A promising curing agent for a vegetable oil-based poly(ester-amide) resin. <i>Progress in Organic Coatings</i> , 2007 , 60, 328-334	4.8	21
1662	Synthesis, structure, and properties of branched polymethacrylates. 2007 , 49, 884-895		16
1661	New hyperbranched poly([1,2,3]-triazole-[1,3,5]-triazines). 2007 , 49, 301-304		7
1660	Synthesis, properties, and practical application of hyperbranched polymers. 2007 , 49, 332-354		32
1659	Synthesis and Characterization of Hyperbranched Poly(siloxysilane) Possessing Rhodamine B as Terminal Group. <i>Polymer Journal</i> , 2007 , 39, 551-557	2.7	14
1658	Synthesis of Hyperbranched Polymer with Degree of Branching of Approximately 100% by Polycondensation of 2-(4-Phenoxyphenoxy)fluorenone. <i>Polymer Journal</i> , 2007 , 39, 1150-1156	2.7	21
1657	In vivo biological evaluation of high molecular weight hyperbranched polyglycerols. 2007 , 28, 4779-87		178
1656	Spectrum-stable hyperbranched polyfluorene with photocrosslinkable group. <i>Polymer</i> , 2007 , 48, 4412-4	14,158	20
1655	The effects of hyperbranched poly(siloxysilane)s on conductive polymer aluminum solid electrolytic capacitors. 2007 , 166, 584-589		20
1654	New type of nanofiltration membrane based on crosslinked hyperbranched polymers. 2008 , 323, 278-28	87	78
1653	Brownian dynamics simulations of complexes of hyperbranched polymers with linear polyelectrolytes: Effects of the strength of electrostatic interactions on static properties. 2008 , 152, 114-118		8
1652	Influence of polymerization procedure on polymer topology and other structural properties in highly branched polymers obtained by A2 + B3 approach. <i>Polymer</i> , 2008 , 49, 1414-1424	3.9	13
1651	Studies on the development of branching in ATRP of styrene and acrylonitrile in the presence of divinylbenzene. <i>Polymer</i> , 2008 , 49, 4101-4108	3.9	33
1650	Synthesis, optical and electrochemical properties of new hyperbranched poly(triphenylamine amide)s. <i>Polymer</i> , 2008 , 49, 4087-4093	3.9	25
1650 1649		3.9	43
	amide)s. <i>Polymer</i> , 2008 , 49, 4087-4093 Halloysite nanotubes grafted hyperbranched (co)polymers via surface-initiated self-condensing	3.9	
1649	amide)s. <i>Polymer</i> , 2008 , 49, 4087-4093 Halloysite nanotubes grafted hyperbranched (co)polymers via surface-initiated self-condensing vinyl (co)polymerization. 2008 , 10, 831-838	3.9	43

1645	Using 2D NMR to determine the degree of branching of complicated hyperbranched polymers. 2008 , 51, 1057-1065	19
1644	Hyperbranched polymer-cored star polyfluorenes as blue light-emitting materials. 2008, 53, 2770-2776	3
1643	Kinetic analysis of self-condensing vinyl polymerization with unequal reactivities. 2008, 53, 3516-3521	9
1642	Performance of cotton fabric treated with an amino-terminated hyperbranched polymer. 2008 , 9, 515-520	20
1641	Hyperbranched azo polyurethane synthesized through A2+B3 scheme. 2008 , 2, 123-126	
1640	Synthesis and characterization of hyperbranched polytriazole via an A2 + B3Dapproach based on click chemistry. 2008 , 57, 965-974	31
1639	Photocrosslinkable hyperbranched polyfluorenes containing oxadiazole: synthesis, photophysics and electroluminescence. 2008 , 57, 1235-1241	7
1638	Characterization of self-assembled metallodendrimers in solution, in the gas phase, and at air/solid interfaces. 2008 , 4, 1823-34	41
1637	Branched polymer via free radical polymerization of chain transfer monomer: A theoretical and experimental investigation. 2008 , 46, 1449-1459	26
1636	Confined space regulated polymerization. 2008 , 46, 1730-1737	3
1636 1635	Confined space regulated polymerization. 2008 , 46, 1730-1737 Systematic investigation of functional core variation within hyperbranched polyglycerols. 2008 , 46, 2049-206	
1635		
1635	Systematic investigation of functional core variation within hyperbranched polyglycerols. 2008 , 46, 2049-206	1 18
1635	Systematic investigation of functional core variation within hyperbranched polyglycerols. 2008 , 46, 2049-206 Synthesis of a hyperbranched polythioketal with 100% degree of branching. 2008 , 46, 2689-2700	118
1635 1634 1633	Systematic investigation of functional core variation within hyperbranched polyglycerols. 2008, 46, 2049-206 Synthesis of a hyperbranched polythioketal with 100% degree of branching. 2008, 46, 2689-2700 A new controllable approach to synthesize hyperbranched poly(siloxysilanes). 2008, 46, 2708-2720 Nanocomposites derived from in situ grafting of linear and hyperbranched poly(ether-ketone)s containing flexible oxyethylene spacers onto the surface of multiwalled carbon nanotubes. 2008,	1 18 31 28
1635 1634 1633	Systematic investigation of functional core variation within hyperbranched polyglycerols. 2008, 46, 2049-206 Synthesis of a hyperbranched polythioketal with 100% degree of branching. 2008, 46, 2689-2700 A new controllable approach to synthesize hyperbranched poly(siloxysilanes). 2008, 46, 2708-2720 Nanocomposites derived from in situ grafting of linear and hyperbranched poly(ether-ketone)s containing flexible oxyethylene spacers onto the surface of multiwalled carbon nanotubes. 2008, 46, 3471-3481 Kinetics of self-condensing vinyl hyperbranched polymerization in three-dimensional space. 2008, 46, 4486-4494	1 18 31 28 38
1635 1634 1633 1632	Systematic investigation of functional core variation within hyperbranched polyglycerols. 2008, 46, 2049-206 Synthesis of a hyperbranched polythioketal with 100% degree of branching. 2008, 46, 2689-2700 A new controllable approach to synthesize hyperbranched poly(siloxysilanes). 2008, 46, 2708-2720 Nanocomposites derived from in situ grafting of linear and hyperbranched poly(ether-ketone)s containing flexible oxyethylene spacers onto the surface of multiwalled carbon nanotubes. 2008, 46, 3471-3481 Kinetics of self-condensing vinyl hyperbranched polymerization in three-dimensional space. 2008, 46, 4486-4494	1 18 31 28 38

(2008-2008)

1627	Branched polystyrene with abundant pendant vinyl functional groups from asymmetric divinyl monomer. 2008 , 46, 6023-6034	30
1626	Linear and A2+B3-type hyperbranched polyesters comprising phenylbenzothiazole unit: Preparation, liquid crystalline, and optical properties. 2008 , 46, 6688-6702	9
1625	A facile synthetic strategy for hyperbranched polymer via combining free radical telomerization and polycondensation. 2008 , 46, 7543-7555	7
1624	One-pot synthesis of linear-hyperbranched diblock copolymers via self-condensing vinyl polymerization and ring opening polymerization. 2008 , 46, 7628-7636	22
1623	Molecular engineering of photoactive liquid crystalline polyester epoxies containing benzylidene moiety. 2008 , 46, 7637-7655	18
1622	Synthesis and Characterization of the Nitrogen-Rich Hyperbranched Polymers [] Poly([1,2,3]-Triazole-[1,3,5]-Triazine)s. 2008 , 33, 431-436	17
1621	Glycopeptide dendrimers. Part I. 2008 , 14, 2-43	61
1620	Glycopeptide dendrimers. Part II. 2008 , 14, 44-65	52
1619	Branched and Functionalized Polybutadienes by a Facile Two-Step Synthesis. 2008, 209, 675-684	31
1618	Characterisation of Thin Composite Films from Hyperbranched Polyphenylene and Thermolabile Hyperbranched Polycarbonate. 2008 , 209, 1787-1796	10
1617	One-Pot Synthesis of Hyperbranched Polyethylenes Tethered with Pendant Acryloyl Functionalities by Chain Walking Copolymerizations. 2008 , 209, 2232-2240	31
1616	Optical Non-Linearity from Montmorillonite Intercalated with a Chromophore-Containing Dendritic Structure: A Self-Assembly Approach. 2008 , 29, 587-592	21
1615	Synthesis of a Multi Alternating-Arm-Containing Dendritic Star Copolymer by RAFT and Cationic Ring-Opening Polymerization. 2008 , 29, 1385-1391	15
1614	Terminal Modification with 1-Adamantylamine to Endow Hyperbranched Polyamidoamine with Thermo-/pH-Responsive Properties. 2008 , 29, 1746-1751	36
1613	Synthesis of Poly(vinyl acetate) Nanogels by Xanthate-Mediated Radical Crosslinking Copolymerization. 2008 , 29, 1965-1972	42
1612	Polymere Nanokomposite durch kontrollierte Keimbildung hyperverzweigter Polymere. 2008 , 80, 1407-1407	
1611	Synthesis, characterization, and UV curing kinetics of hyperbranched polycarbosilane. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3812-3822	29
1610	High-flow nylon 6 by in situ polymerization: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 2365-2372	13

1609	Preparation of star polymers of hyperbranched polyglycerol core with multiarms of PS-b-PtBA and PS-b-PAA. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 777-784	22
1608	Blends of high density polyethylene with branched poly(styrene-co-dodecyl acrylate): Rheological, mechanical, and thermal properties. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1618-1624	4
1607	EConjugated poly(anthracene-alt-fluorene)s with X-shaped repeating units: New blue-light emitting polymers. <i>Polymer</i> , 2008 , 49, 2282-2287	15
1606	Synthesis and characterization of hyperbranched polyethylenes containing cross-linking structures by chain walking copolymerization of ethylene with diacrylate comonomer. <i>Polymer</i> , 2008 , 49, 3382-3392.9	33
1605	Pioneering explorations of rooting causes for morphology and performance differences in hollow fiber kidney dialysis membranes spun from linear and hyperbranched polyethersulfone. 2008 , 313, 190-198	33
1604	The architectures and surface behavior of highly branched molecules. <i>Progress in Polymer Science</i> , 29.6 29.6	5 161
1603	Effect of structure and concentration of polymer, metal ion and pH of the medium on the fluorescence characteristics of hyperbranched polyamines. 2008 , 128, 1917-1921	4
1602	HBP-NH2 grafted cotton fiber: Preparation and salt-free dyeing properties. 2008 , 74, 250-256	59
1601	Thermodynamic properties of the block copolymer based on hyperbranched perfluorinated poly(phenylenegermane) and atactic polystyrene in the range from T-b to 518K. 2008 , 468, 61-65	4
1600	Model of hyperbranched polymers formed by monomers A2 and Bg with end-capping molecules. 2008 , 44, 2998-3004	23
1599	Novel Hyperbranched Poly(aryl ether urethane)s Using AB2-Type Blocked Isocyanate Monomers and Copolymerization with AB-Type Monomers. 2008 , 209, 651-665	18
1598	Synthesis and Degree of Branching of Epoxy-Terminated Hyperbranched Polysiloxysilane. <i>Polymer Journal</i> , 2008 , 40, 198-204	11
1597	Nanotechnology and water treatment: applications and emerging opportunities. 2008, 34, 43-69	481
1596	Chapter 4 Chain Structure Characterization. 2008 , 53, 123-756	
1595	Calculation of the critical conversion and topological parameters for hyperbranched polyisocyanurate polymers prepared via cocyclotrimerization of mono- and diisocyanates. 2008 , 50, 74-83	8
1594	Too large to fit? Recent developments in macromolecular imprinting. 2008 , 26, 218-24	192
1593	Amphiphilic core-shell nanocarriers based on hyperbranched poly(ester amide)-star-PCL: synthesis, characterization, and potential as efficient phase transfer agent. 2008 , 9, 2629-36	47
1592	Investigation of the Release of Bioactive Volatiles from Amphiphilic Multiarm Star-Block Copolymers by Thermogravimetry and Dynamic Headspace Analysis. <i>Macromolecules</i> , 2008 , 41, 7079-70 89^5	26

(2008-2008)

1591	A New Strategy for Preparation of Graft Copolymers via Graft ontolby Atom Transfer Nitroxide Radical Coupling Chemistry: Preparation of Poly(4-glycidyloxy-2,2,6,6-tetramethylpiperidine-1-oxyl-co-ethylene oxide)-graft-polystyrene and	5.5	103
1590	Poly(tert-butyl acrylate). <i>Macromolecules</i> , 2008 , 41, 2381-2387 Direct Growth of Hyperbranched Polymers on Both Ends of a Linear Polymer. <i>Macromolecules</i> , 2008 , 41, 5085-5088	5.5	33
1589	Photo-tunable multi-arm star azobenzene side-chain polymer with hyperbranched polyether core. 2008 , 158, 732-738		5
1588	Hyperbranched Polytriazoles: Click Polymerization, Regioisomeric Structure, Light Emission, and Fluorescent Patterning. <i>Macromolecules</i> , 2008 , 41, 3808-3822	5.5	143
1587	Synthesis of hyperbranched poly(aryl amine)s via a carbene insertion approach. 2008, 6, 2327-33		9
1586	A facile strategy to control polymer topology by variation of controlled radical polymerization mechanisms. 2008 , 5639-41		21
1585	Synthesis, Characterization, and Functionalization of Hyperbranched Poly(ether ether ketone)s with Phenoxypheyl Side Group. 2008 , 45, 748-753		6
1584	Synthesis of Novel Polyamide-Hyperbranched Polymers via Self Condensing Atom Transfer Radical Polymerization. 2008 , 47, 984-990		4
1583	Novel photoactive hyperbranched poly(aryl ether)s containing azobenzene chromophores for optical storage. 2008 , 18, 5019		43
1582	Hyperbranched Poly(arylene oxindole)s with a Degree of Branching of 100% for the Construction of Nanocontainers by Orthogonal Modification. <i>Macromolecules</i> , 2008 , 41, 2388-2393	5.5	43
1581	Structural effects in overcharging in complexes of hyperbranched polymers with linear polyelectrolytes. 2008 , 4, 453-457		24
1580	Synthesis of New Glycerol-Based Hyperbranched Polycarbonates. <i>Macromolecules</i> , 2008 , 41, 3859-3865	5.5	70
1579	Hyperbranched Poly(amidoamine) as the Stabilizer and Reductant To Prepare Colloid Silver Nanoparticles in Situ and Their Antibacterial Activity. 2008 , 112, 2330-2336		132
1578	Semimetallic Transport in Nanocomposites Derived from Grafting of Linear and Hyperbranched Poly(phenylene sulfide)s onto the Surface of Functionalized Multi-Walled Carbon Nanotubes. <i>Macromolecules</i> , 2008 , 41, 7423-7432	5.5	55
1577	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
1576	Persulfonylation of amines applied to the synthesis of higher generation dendrimers. 2008 , 73, 3562-5		11
1575	Unimolecular micelles based on hydrophobically derivatized hyperbranched polyglycerols: ligand binding properties. 2008 , 9, 886-95		90
1574	One-Pot Synthesis of Hyperbranched Polyethylenes Tethered with Polymerizable Methacryloyl Groups via Selective Ethylene Copolymerization with Heterobifunctional Comonomers by Chain Walking PdDiimine Catalysis. <i>Macromolecules</i> , 2008 , 41, 2290-2293	5.5	43

1573	Modification of Some Hyperbranched Polyols with Oligo (Ethyleneoxide) Units on the Way to New Applications. 2008 , 47, 1250-1255	9
1572	Photosensitive Ionic Nematic Liquid Crystalline Complexes Based on Dendrimers and Hyperbranched Polymers and a Cyanoazobenzene Carboxylic Acid 2008 , 20, 5209-5217	63
1571	Synthesis, Structure, and Characteristics of Hyperbranched Polyterpene Alcohols. <i>Macromolecules</i> , 2008, 41, 5265-5271	15
1570	Immobilization of a hyperbranched polyester via grafting-to and electron beam irradiation. Langmuir, 2008 , 24, 9392-400	12
1569	Preparation of HPEEK by Oligomer A2+B3 Approach. 2008 , 45, 742-747	1
1568	Poly(phenylene ether)s. 2008 , 139-174	1
1567	Kinetics of formation of hyperbranched polymers. 2008 , 77, 1079-1104	3
1566	Synthesis of Hyper-Branched Polymers. 2009 , 203-241	1
1565	Signal-to-noise ratio improvement of peptide microarrays by using hyperbranched-polymer materials. 2009 , 105, 102020	11
1564	Rheology of hyperbranched polymer melts undergoing planar Couette flow. 2009 , 131, 044902	18
1563	Synthesis and Characterization of Linear, Branched and Hyperbranched Triphenylamine-Based Polyazomethines. 2009 , 12, 177-196	20
1562	The effect of interbranch spacing on structural and rheological properties of hyperbranched polymer melts. 2009 , 131, 164901	9
1561	Cyclization Issues in Silicon-Containing Hyperbranched Polymers. 2009 , 391-400	1
1560	Synthesis and Characterization of Novel Poly(hydrazide-imide)s incorporating L-Alanine. 2009 , 21, 90-104	2
1559	Structural properties of hyperbranched polymers in the melt under shear via nonequilibrium molecular dynamics simulation. 2009 , 130, 074901	22
1558	Layer-By-Layer Dendritic Growth of Hyperbranched Thin Films for Surface Sol © el Syntheses of Conformal, Functional, Nanocrystalline Oxide Coatings on Complex 3D (Bio)silica Templates. 2009 , 19, 2768-2776	53
1557	Hyperbranched Polymers for Photolithographic Applications I Towards Understanding the Relationship between Chemical Structure of Polymer Resin and Lithographic Performances. 2009 , 21, 1121-1125	38
1556	Hybrid polymerization of vinyl and hetero-ring groups of glycidyl methacrylate resulting in thermoresponsive hyperbranched polymers displaying a wide range of lower critical solution temperatures. 2009 , 15, 7593-600	38

1555	2009, 15, 11566-72	24
1554	Preparation and Characterization of Heat Sensitive Color-developing Microcapsules. 2009 , 27, 1153-1158	2
1553	Poly(L-lactide)-b-poly(ethylene oxide) copolymers with different arms: hydrophilicity, biodegradable nanoparticles, in vitro degradation, and drug-release behavior. 2009 , 88, 990-9	14
1552	Synthesis and Characterization of Hyperbranched Poly(arylene ether)s from a New Activated Trifluoro B3 Monomer Adopting an A2 + B3 Approach. 2009 , 210, 1272-1282	20
1551	Efficient Grafting of Hyperbranched Polyglycerol from Hydroxyl-Functionalized Multiwalled Carbon Nanotubes by Surface-Initiated Anionic Ring-Opening Polymerization. 2009 , 210, 1011-1018	50
1550	Polyfluorene-Based Blue-Emitting Materials. 2009 , 210, 1580-1590	62
1549	Hyperbranched polyamidoamines containing beta-cyclodextrin for controlled release of chlorambucil. 2009 , 9, 1090-7	23
1548	UV-activated hydrosilylation: a facile approach for synthesis of hyperbranched polycarbosilanes. 2009 , 23, 277-282	22
1547	Isothermal crystallization kinetics of high-flow nylon 6 by differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 2930-2937	8
1546	Synthesis and characterization of hyperbranched cationic polyelectrolytes via aqueous self-condensing atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 2522-253	4 ²
1545	Xanthate-mediated polymerization of styrene on hyperbranched polyethylenimine: Synthesis, characterization, and guest-encapsulating property. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3702-3709	8
1544	Preparation and properties of highly branched waterborne poly(urethane-urea) via A2 + B3 approach. <i>Journal of Applied Polymer Science</i> , 2009 , 116, n/a-n/a	
1543	Synthesis of crosslinked polymer nanoparticles suitable for the formation of nanolayer organic films. 2009 , 287, 471-479	2
1542	Rheological investigations of linear and hyperbranched polyethersulfone towards their as-spun phase inversion membranes' differences. <i>Polymer</i> , 2009 , 50, 524-533	23
1541	Application of silver nanoparticles to cotton fabric as an antibacterial textile finish. 2009, 10, 496-501	204
1540	Preparation and characterization of branched polyesteramide/mix rare earth oxides composites. 2009 , 62, 209-223	4
1539	Synthesis and properties of hyperbranched aqueous poly(urethanellrea) via A2 + bB2 approach. 2009 , 63, 213-224	6
1538	Micelles formed by self-assembly of hyperbranched poly[(amine-ester)-co-(D,L-lactide)] (HPAE-co-PLA) copolymers for protein drug delivery. 2009 , 58, 31-39	28

1537	Aqueous self-condensing atom transfer radical copolymerization of a water-soluble inimer with cationic comonomer to prepare hyperbranched cationic polyelectrolytes. 2009 , 58, 790-799	2
1536	A novel calixarene-containing hyperbranched aliphatic polyester incorporated with pendant europium complexes. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 514-518	7
1535	Preparation of nano-Ag particles and their modification on the mechanical and dielectric properties of epoxy resin. 2009 , 49, 2189-2194	14
1534	Investigation of ABn (n = 2 , 4) type hyperbranched polymerization with cyclization and steric factors: Influences of monomer concentration, reactivity, and substitution effect. 2009 , 47, 523-533	22
1533	Synthesis and degradation of biomedical materials based on linear and star shaped polyglycidols. 2009 , 47, 3209-3231	83
1532	Hydroxyl- and amine-terminated hyperbranched polyurethanes using AB2-type azide monomers: Synthesis, characterization, fluorescence, and charge-transfer complexation studies. 2009 , 47, 3337-3351	14
1531	Investigation of the conformation of hyperbranched poly(arylene oxindole)s using hyper-Rayleigh scattering. 2009 , 47, 3740-3747	3
1530	Synthesis and characterization of hyperbranched polyesters from glycerol-based AB2 monomer. 2009 , 47, 3860-3868	18
1529	A convenient room temperature polycondensation toward hyperbranched AB2-type all-aromatic polyesters with phenol terminal groups. 2009 , 47, 5158-5168	29
1528	Modulating the guest encapsulation and release properties of multi-arm star polyethylenimine-block-poly(Etaprolactone). 2009 , 47, 5184-5193	36
1527	Hyperbranched framework of interrupted Econjugated polymers end-capped with high carrier-mobility moieties for stable light-emitting materials with low driving voltage. 2009 , 47, 6451-6462	25
1526	Synthesis of hyperbranched degradable polymers by atom transfer radical (Co)polymerization of inimers with ester or disulfide groups. 2009 , 47, 6839-6851	57
1525	Nanostructured functional materials prepared by atom transfer radical polymerization. 2009, 1, 276-88	1074
1524	Study on the chemical modification of epoxy/anhydride thermosets using a hydroxyl terminated hyperbranched polymer. 2009 , 45, 1454-1466	84
1523	First shell substitution effects on hyperbranched polymers formed from monomers and with end-capping molecules. 2009 , 45, 2942-2950	6
1522	Synthesis and self-assembly of amphiphilic hyperbranched polyglycerols modified with palmitoyl chloride. 2009 , 337, 278-84	41
1521	Comparative study of thiol-free amphiphilic hyperbranched and linear polymers for the stabilization of large gold nanoparticles in organic solvent. 2009 , 337, 485-91	39
1520	Synthesis and characterization of A2 + B3-type hyperbranched aromatic polyesters with phenolic end groups. <i>Polymer</i> , 2009 , 50, 3431-3439	29

(2009-2009)

1519	Synthesis, characterization and UV curing kinetics of hyperbranched polysiloxysilanes from A2 and CB2 type monomers. <i>Polymer</i> , 2009 , 50, 3587-3594	3.9	25
1518	Structure and molecular dynamics of hyperbranched polymeric systems with urethane and urea linkages. <i>Polymer</i> , 2009 , 50, 4039-4047	3.9	23
1517	RAFT controlled synthesis of six-armed biodegradable star polymeric architectures via a Bore-first methodology. <i>Polymer</i> , 2009 , 50, 4455-4463	3.9	42
1516	Theoretical investigation on the polyaddition of A2 and CB2 monomers with non-equal reactivity. <i>Polymer</i> , 2009 , 50, 5608-5612	3.9	20
1515	UV-curable epoxy systems containing hyperbranched polymers: Kinetics investigation by photo-DSC and real-time FT-IR experiments. 2009 , 28, 157-164		36
1514	Dendritic and hyperbranched polyamides. <i>Progress in Polymer Science</i> , 2009 , 34, 24-61	29.6	113
1513	Preparation of dendron-like polystyrenes from atom transfer radical polymerization (ATRP) and direct chain-end functionalization. <i>Reactive and Functional Polymers</i> , 2009 , 69, 424-428	4.6	5
1512	Following of polymerization process of polyurethane spinning solutions in dimethylformamide by means of the power consumption. 2009 , 48, 538-548		
1511	The Photoluminescence Properties of Hyperbranched Poly(ester-amine)/ZnS Particle Self-Assembled Multilayer Films. <i>Polymer Journal</i> , 2009 , 41, 358-362	2.7	2
1510	Fluorescent Hyperbranched Polyamine with s-Triazine: Synthesis, Characterization and Properties Evaluation. <i>Polymer Journal</i> , 2009 , 41, 20-25	2.7	8
1509	Acetylenic polymers: syntheses, structures, and functions. 2009 , 109, 5799-867		1016
1508	Polydentate nanoplatform based on hyperbranched polyol Boltorn. 2009 , 79, 511-512		2
1507	A structural characteristic of hyperbranched polymers. 2009 , 51, 143-148		8
1506	Thermostable and heat resistant aromatic polyethers based on heterocyclic bisphenols. 2009 , 51, 87-12	5	3
1505	Synthesis of Polyphosphorinanes. 1. Homopolymerization and Telomerization of Allyl Ether Phosphite. <i>Macromolecules</i> , 2009 , 42, 2446-2454	5.5	9
1504	Metal-Catalyzed Radical Polyaddition for Aliphatic Polyesters via Evolution of Atom Transfer Radical Addition into Step-Growth Polymerization. <i>Macromolecules</i> , 2009 , 42, 472-480	5.5	35
1503	Molecular dynamics simulations of a hyperbranched poly(ester amide): statics, dynamics, and hydrogen bonding. 2009 , 113, 5356-68		31
1502	Development of Branching in Atom Transfer Radical Copolymerization of Styrene with Triethylene Glycol Dimethacrylate. <i>Macromolecules</i> , 2009 , 42, 5976-5982	5.5	49

1501	Phase behavior of hyperbranched polymer systems: experiments and application of the perturbed-chain polar SAFT equation of state. 2009 , 113, 1022-9		35
1500	Synthesis of a Hyperbranched Polymer with Perfect Branching Based on Piperidine-4-one. <i>Macromolecules</i> , 2009 , 42, 994-1001	5.5	25
1499	Complex self-assembly of hyperbranched polyamidoamine/linear polyacrylic acid in water and their functionalization. 2009 , 113, 7729-36		12
1498	Single Step Synthesis of Peripherally [Clickable[Hyperbranched Polyethers. <i>Macromolecules</i> , 2009 , 42, 4956-4959	5.5	30
1497	Synthesis, Characterization, and Visualization of High-Molecular-Weight Poly(glycidol-graft-?-caprolactone) Starlike Polymers. <i>Macromolecules</i> , 2009 , 42, 1031-1036	5.5	13
1496	Macromolecular Nanocapsule Derived from Hyperbranched Polyethylenimine (HPEI): Mechanism of Guest Encapsulation versus Molecular Parameters. <i>Macromolecules</i> , 2009 , 42, 1533-1540	5.5	49
1495	Functional Nanoparticles from Dendritic Precursors: Hierarchical Assembly in Miniemulsion. <i>Macromolecules</i> , 2009 , 42, 556-559	5.5	54
1494	Can Nonspecific Host © uest Interaction Lead to Highly Specific Encapsulation by a Supramolecular Nanocapsule?. <i>Macromolecules</i> , 2009 , 42, 6448-6456	5.5	37
1493	Carboxylic Acid-Terminated Hyperbranched Polybenzoxazole and Its Polyarm-Star Block Copolymers. <i>Macromolecules</i> , 2009 , 42, 1541-1553	5.5	5
1492	1H and 13C NMR Spectra of Highly Branched Poly(4-chloromethylstyrene). Signal Assignment, Structure Characterization, and a SCVP Kinetics Study. <i>Macromolecules</i> , 2009 , 42, 8307-8315	5.5	24
1491	Facile Polycyclotrimerization of BimplelArylene Bipropiolates: A Metal-Free, Regioselective Route to Functional Hyperbranched Polymers with High Optical Transparency, Tunable Refractive Index, Low Chromatic Aberration, and Photoresponsive Patternability. <i>Macromolecules</i> , 2009 , 42, 4099-4109	5.5	38
1490	Dendritic Polyglycerol Core-Double-Shell Architectures: Synthesis and Transport Properties. <i>Macromolecules</i> , 2009 , 42, 5545-5550	5.5	45
1489	Exploration of Effective Catalysts for Diyne Polycyclotrimerization, Synthesis of an Ester-Functionalized Hyperbranched Polyphenylene, and Demonstration of Its Utility as a Molecular Container with Implication for Controlled Drug Delivery. <i>Macromolecules</i> , 2009 , 42, 7367-7378	5.5	23
1488	Biodegradable star polymers functionalized with beta-cyclodextrin inclusion complexes. 2009 , 10, 2699	-707	70
1487	Synthesis of Hyperbranched Conjugated Copolymers Containing Triphenylamine and Fluorene or Thiophene Moieties. 2009 , 21, 304-314		8
1486	Hyperbranched and highly branched polymer architecturessynthetic strategies and major characterization aspects. 2009 , 109, 5924-73		923
1485	Macromolecular dumbbells: synthesis and photophysical properties of hyperbranched poly(etherketone)-b-polybenzobisthiazole-b-hyperbranched poly(etherketone) ABA triblock copolymers. 2009 , 19, 4172		6
1484	Supramolecular self-assembly of amphiphilic hyperbranched polymers at all scales and dimensions: progress, characteristics and perspectives. 2009 , 1172-88		246

(2009-2009)

1483	Hyperbranched polymers with a degree of branching of 100% prepared by catalyst transfer Suzuki-Miyaura polycondensation. 2009 , 131, 10348-9		78
1482	Synthesis and nonlinear optical properties of a peripherally functionalized hyperbranched polymer by DR1 chromophores. 2009 , 1, 1799-806		41
1481	Application of the Strathclyde Routelto Branched Vinyl Polymers in Suspension Polymerization: Architectural, Thermal, and Rheological Characterization of the Derived Branched Products. <i>Macromolecules</i> , 2009 , 42, 7745-7752	5.5	38
1480	Cellulose-based dual graft molecular brushes as potential drug nanocarriers: stimulus-responsive micelles, self-assembled phase transition behavior, and tunable crystalline morphologies. 2009 , 10, 203	3-42	101
1479	Synthesis and characterization of electroactive hyperbranched aromatic polyamides based on A2B-type triphenylamine moieties. 2009 , 19, 7666		27
1478	Synthesis of Hyperbranched Polyphosphates by Self-Condensing Ring-Opening Polymerization of HEEP without Catalyst. <i>Macromolecules</i> , 2009 , 42, 4394-4399	5.5	74
1477	Hyperbranched Polyglycerols with Elevated Molecular Weights: A Facile Two-Step Synthesis Protocol Based on Polyglycerol Macroinitiators. <i>Macromolecules</i> , 2009 , 42, 3230-3236	5.5	107
1476	Stainless steel grafting of hyperbranched polymer brushes with an antibacterial activity: synthesis, characterization, and properties. <i>Langmuir</i> , 2009 , 25, 891-902	4	60
1475	Cell-adhesive star polymers prepared by ATRP. 2009 , 10, 1795-803		37
1474	Hyperbranched Azo-Polymers Synthesized by Acyclic Diene Metathesis Polymerization of an AB2 Monomer. <i>Macromolecules</i> , 2009 , 42, 5036-5042	5.5	51
1473	Facile phase transfer of hydrophobic nanoparticles with poly(ethylene glycol) grafted hyperbranched poly(amido amine). 2009 , 20, 075101		26
1472	Base-Catalyzed Synthesis of a 100% Hyperbranched Polymer on the Basis of an Indolin-2-one Unit. <i>Macromolecules</i> , 2009 , 42, 8718-8724	5.5	13
1471	Facile synthesis and self-assembly of multihetero-arm hyperbranched polymer brushes. 2009 , 5, 4788		43
1470	Use of 4-piperidones in one-pot syntheses of novel, high-molecular-weight linear and virtually 100%-hyperbranched polymers. 2009 , 4408-10		22
1469	Synthesis and Properties of Hyperbranched Polyurethane with a Long Chain Between the Branching Points. 2009 , 12, 221-231		5
1468	Polymeric nanomedicine for cancer MR imaging and drug delivery. 2009 , 3497-510		149
1467	Transition metal-catalyzed living radical polymerization: toward perfection in catalysis and precision polymer synthesis. 2009 , 109, 4963-5050		1117
1466	Synthesis and Characterization of Hyperbranched Poly(ether amide)s with Thermoresponsive Property and Unexpected Strong Blue Photoluminescence. <i>Macromolecules</i> , 2009 , 42, 3237-3246	5.5	85

1465	Hyperbranched Polyamine/Cu Nanoparticles for Epoxy Thermoset. 2009 , 46, 296-303	20
1464	Novel amphiphilic hyperbranched poly (amine-ester) copolymers nanoparticles as protein drug delivery. 2009 , 9, 1342-56	4
1463	Chain dimension of polystyrene-like hyperbranched polymers with various chain end groups in THF. 2009 , 184, 012033	
1462	Packaging: Polymer. 2010 , 1218-1220	
1461	Dynamics of the photo-induced orientation and relaxation of a novel hyperbranched poly(aryl ether) containing azobenzene groups. 2010 , 20, 1144-1148	1
1460	Polynuclear Cu(II) complexes with hyperbranched polyester carboxylates. 2010 , 80, 787-789	9
1459	Chiral modification of polyformyl compounds of dendrite type with optically active primary and secondary 1,2-aminoalcohols. 2010 , 46, 260-267	
1458	Hyperbranched Polyethylenes and Functionalized Polymers by Chain Walking Polymerization with Pd-Diimine Catalysis. 2010 , 4, 319-332	37
1457	Hyperbranched Conjugated Polysiloles: Synthesis, Structure, Aggregation-Enhanced Emission, Multicolor Fluorescent Photopatterning, and Superamplified Detection of Explosives. 5.5 Macromolecules, 2010, 43, 4921-4936	196
1456	Novel hyperbranched molecules containing pyrrole units from diacetylene compounds. 2010 , 64, 761-770	6
1455	Synthesis and properties of highly branched poly(urethanelimide) via A2 + B3 approach. 2010 , 64, 877-890	13
1454	Preparation and characterization of crosslinked poly(methylmethacrylate) heat sensitive color-developing nanocapsules. 2010 , 64, 375-386	3
1453	Novel hyperbranched poly (amine-ester)-poly (lactide-co-glycolide) polymeric micelles as amphotericin B carriers. 2010 , 65, 425-442	1
1452	Hyperbranched poly(amine-ester) based hydrogels for controlled multi-drug release in combination chemotherapy. 2010 , 31, 5445-54	50
1451	Enhancing the unimolecularity and control for guest release of a macromolecular nanocapsule via core engineering. <i>Reactive and Functional Polymers</i> , 2010 , 70, 916-922	13
1450	A facile synthesis of hyperbranched polyimides from 2,6,12-triaminotriptycene. 2010 , 28, 69-76	7
1449	Synthesis of cationic hyperbranched multiarm copolymer and its application in self-reducing and stabilizing gold nanoparticles. 2010 , 53, 1114-1121	12
1448	Stimulus responsive fluorescent hyperbranched polymers and their applications. 2010 , 53, 2409-2428	23

1447	Miktoarms hyperbranched polymer brushes: One-step fast synthesis by parallel click chemistry and hierarchical self-assembly. 2010 , 53, 2461-2471		13
1446	Kinetic theory of self-condensing vinyl polymerization. 2010 , 53, 2429-2439		14
1445	Triazatruxene-containing hyperbranched polymers: Microwave-assisted synthesis and optoelectronic properties. 2010 , 53, 2472-2480		22
1444	Synthesis and intrinsic blue fluorescence study of hyperbranched poly(ester-amide-ether). 2010 , 53, 24	52-246	503
1443	Nanoparticles composed of PLGA and hyperbranched poly (amine-ester) as a drug carrier. <i>Journal of Polymer Research</i> , 2010 , 17, 335-345	2.7	10
1442	Lipase-catalyzed syntheses of linear and hyperbranched polyesters using compressed fluids as solvent media. 2010 , 67, 143-149		23
1441	Hyperbranched aromatic polyesters: From synthesis to applications. <i>Progress in Organic Coatings</i> , 2010 , 69, 295-309	4.8	26
1440	Hybridization of kaolinite by consecutive intercalation: Preparation and characterization of hyperbranched poly(amidoamine)Raolinite nanocomposites. 2010 , 119, 546-552		29
1439	One Pot Synthesis of Amphiphilic Hyperbranched Poly-(amino ester) and Its Dynamic Surface Activity. 2010 , 28, 2049-2054		4
1438	Synthesis of Hyperbranched (Galceramide-Containing Dendritic Polymers that Bind HIV-1 rgp120. 2010 , 2010, 2657-2660		14
1437	Self-assembly of hyperbranched polymers and its biomedical applications. 2010 , 22, 4567-90		451
1436	Polyfluorenes. 2010 , 287-355		1
1435	Control of the optical properties of a star copolymer with a hyperbranched conjugated polymer core and poly(ethylene glycol) arms by self-assembly. 2010 , 16, 12710-7		32
1434	Philic and Phobic Segregation in Liquid-Crystal Ionic Dendrimers: An EnthalpyEntropy Competition. 2010 , 122, 2034-2038		2
1433	Philic and phobic segregation in liquid-crystal ionic dendrimers: an enthalpy-entropy competition. 2010 , 49, 1990-4		24
1432	Studies on the synthesis and thermal properties of alkoxysilane-terminated organosilicone dendrimers. 2010 , 24, 251-256		11
1431	In situ crosslinking of hyperbranched polyglycerol in casting solutions and its effect on the structure and properties of porous PVDF membranes. <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA	2.9	
1430	Synthesis and characterization of an amphiphilic hyperbranched poly(amine-ester)-co-D,L-lactide (HPAE-co-PLA) copolymers and their nanoparticles for protein drug delivery. <i>Journal of Applied Polymer Science</i> 2010 117 1156-1167	2.9	5

1429	Aliphatic polyamidoamine hyperbranched polymers/layered silicate nanocomposites. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 525-537	2.9	13
1428	Studies on the Atom Transfer Radical Branching Copolymerization of Styrene and Acrylonitrile with Divinyl Benzene as the Branching Agent. 2010 , 211, 2211-2217		9
1427	Supramolecular aggregates of water soluble dendritic polyglycerol architectures for the solubilization of hydrophobic compounds. 2010 , 31, 1516-20		32
1426	Entanglement transition in hyperbranched polyether-polyols. 2010 , 31, 2127-32		26
1425	Imidazole and dimethyl aminopropyl-functionalized hyperbranched polymers for nucleic acid transfection. 2010 , 10, 1055-62		6
1424	Synthetic polymers with quaternary nitrogen atomsBynthesis and structure of the most used type of cationic polyelectrolytes. <i>Progress in Polymer Science</i> , 2010 , 35, 511-577	29.6	208
1423	Polymer nanocomposites based on functionalized carbon nanotubes. <i>Progress in Polymer Science</i> , 2010 , 35, 837-867	29.6	1330
1422	Fluorinated high-performance polymers: Poly(arylene ether)s and aromatic polyimides containing trifluoromethyl groups. <i>Progress in Polymer Science</i> , 2010 , 35, 1022-1077	29.6	398
1421	Transition metal catalysts for controlled radical polymerization. <i>Progress in Polymer Science</i> , 2010 , 35, 959-1021	29.6	421
1420	New hyperbranched polyester modified DGEBA thermosets with improved chemical reworkability. 2010 , 95, 445-452		35
1420 1419			35 202
	2010, 95, 445-452 Synergistic effect between a novel hyperbranched charring agent and ammonium polyphosphate	3.9	
1419	2010, 95, 445-452 Synergistic effect between a novel hyperbranched charring agent and ammonium polyphosphate on the flame retardant and anti-dripping properties of polylactide. 2010, 95, 763-770	3.9	202
1419 1418	2010, 95, 445-452 Synergistic effect between a novel hyperbranched charring agent and ammonium polyphosphate on the flame retardant and anti-dripping properties of polylactide. 2010, 95, 763-770 Preparation and characterization of hyperbranched polymer grafted mesoporous silica nanoparticles via self-condensing atom transfer radical vinyl polymerization. <i>Polymer</i> , 2010, 51, 92-99 Synthesis and characterization of hyperbranched polymers via Cp2TiCl-catalyzed self-condensing	3.9	202
1419 1418 1417	Synergistic effect between a novel hyperbranched charring agent and ammonium polyphosphate on the flame retardant and anti-dripping properties of polylactide. 2010, 95, 763-770 Preparation and characterization of hyperbranched polymer grafted mesoporous silica nanoparticles via self-condensing atom transfer radical vinyl polymerization. <i>Polymer</i> , 2010, 51, 92-99 Synthesis and characterization of hyperbranched polymers via Cp2TiCl-catalyzed self-condensing vinyl polymerization using glycidyl methacrylate as inimer. <i>Polymer</i> , 2010, 51, 854-859 Novel supramolecular system of amphiphilic hyperbranched polymer with #tyclodextrin and	3.9	202566
1419 1418 1417 1416	Synergistic effect between a novel hyperbranched charring agent and ammonium polyphosphate on the flame retardant and anti-dripping properties of polylactide. 2010, 95, 763-770 Preparation and characterization of hyperbranched polymer grafted mesoporous silica nanoparticles via self-condensing atom transfer radical vinyl polymerization. <i>Polymer</i> , 2010, 51, 92-99 Synthesis and characterization of hyperbranched polymers via Cp2TiCl-catalyzed self-condensing vinyl polymerization using glycidyl methacrylate as inimer. <i>Polymer</i> , 2010, 51, 854-859 Novel supramolecular system of amphiphilic hyperbranched polymer with £yclodextrin and hyperbranched topography cavities: Synthesis and selective encapsulation. <i>Polymer</i> , 2010, 51, 2556-256 Synthesis of hyperbranched polymers via a facile self-condensing vinyl polymerization system []	3.9 54.9	20256641
1419 1418 1417 1416	Synergistic effect between a novel hyperbranched charring agent and ammonium polyphosphate on the flame retardant and anti-dripping properties of polylactide. 2010, 95, 763-770 Preparation and characterization of hyperbranched polymer grafted mesoporous silica nanoparticles via self-condensing atom transfer radical vinyl polymerization. <i>Polymer</i> , 2010, 51, 92-99 Synthesis and characterization of hyperbranched polymers via Cp2TiCl-catalyzed self-condensing vinyl polymerization using glycidyl methacrylate as inimer. <i>Polymer</i> , 2010, 51, 854-859 Novel supramolecular system of amphiphilic hyperbranched polymer with #tyclodextrin and hyperbranched topography cavities: Synthesis and selective encapsulation. <i>Polymer</i> , 2010, 51, 2556-256 Synthesis of hyperbranched polymers via a facile self-condensing vinyl polymerization system [] Glycidyl methacrylate/Cp2TiCl2/Zn. <i>Polymer</i> , 2010, 51, 2857-2863 Synthesis and properties of cationic photopolymerizable hyperbranched polyesters with terminal oxetane groups by the couple-monomer polymerization of carboxylic anhydride with hydroxyl	3.9 54.9 3.9	2025664114

(2010-2010)

1411	dye-sensitized solar cells. 2010 , 46, 2033-2041	28
1410	Phase behaviour of hyperbranched polyesters and polyethers with modified terminal OH groups in supercritical solvents. 2010 , 55, 786-796	15
1409	Self-assembly of phospholipid-analogous hyperbranched polymers nanomicelles for drug delivery. 2010 , 31, 1334-41	94
1408	The in vitro biocompatibility of self-assembled hyperbranched copolyphosphate nanocarriers. 2010 , 31, 5643-51	53
1407	Amphiphilic hyper-branched co-polymer nanoparticles for the controlled delivery of anti-tumor agents. 2010 , 31, 7364-75	42
1406	Elimination of die swell and instability in hollow fiber spinning process of hyperbranched polyethersulfone (HPES) via novel spinneret designs and precise spinning conditions. 2010 , 163, 143-153	19
1405	Direct synthesis of terminally dlickabledinear and hyperbranched polyesters. 2010 , 48, 3200-3208	18
1404	A hyperbranched, rotaxane-type mechanically interlocked polymer. 2010 , 48, 4067-4073	62
1403	Kinetics of nonideal hyperbranched A2 + B3 polycondensation: Simulation and comparison with experiments. 2010 , 48, 5072-5082	7
1402	Synthesis of novel hyperbranched poly(ester-amide)s based on neutral ⊞mino acids via ♣D + CBB? Leouple-monomer approach. 2010 , 48, 5364-5374	11
1401	Thermal and mechanical properties of a dendritic hydroxyl-functional hyperbranched polymer and tetrafunctional epoxy resin blends. 2010 , 48, 417-424	46
1400	Secondary relaxations and electrical conductivity in hyperbranched polyester amides. 2010 , 48, 1651-1657	27
1399	Synthesis and UV curing kinetics of rapidly UV-curable hyperbranched polycarbosiloxanes. 2010 , 59, 1323-133	30 ₅
1398	Facile synthesis and characterization of hyperbranched poly(aryl ether ketone)s obtained via an A2 + BB?2 approach. 2010 , 59, 1360-1366	66
1397	Synthesis and characterization of hyperbranched polystyrene copolymers by atom transfer radical self-condensing vinyl copolymerization. <i>Polymers for Advanced Technologies</i> , 2010 , 21, 710-719	14
1396	Higher-molecular-weight hyperbranched polyethylenes containing crosslinking structures as lubricant viscosity-index improvers. 2010 , 50, 911-918	31
1395	Hyperbranched poly(ether sulfone)s: preparation and application to ion-exchange membranes. <i>Polymer Journal</i> , 2010 , 42, 697-705	45
1394	Synthesis of hyperbranched polycarbonate by novel polymerization of di-tert-butyl tricarbonate with 1,1,1-tris(4-hydroxyphenyl)ethane. <i>Polymer Journal</i> , 2010 , 42, 852-859	6

1393	Synergistic Effect between a Novel Hyperbranched Flame Retardant and Melamine Pyrophosphate on the Char Forming of Polyamide 6. 2010 , 49, 1489-1497		11
1392	Hyperbranched Poly([1,2,3]-triazole-[1,3,5]-triazine)s: An Unusual High Degree of Branching as an Effect of a Polyaddition Kinetics. 2010 , 296, 107-111		4
1391	Dye-Sensitized Solar Cell Based on a Blend of Hyperbranched Poly(aryl-ether-urethane) Electrolyte with TiO2 Nanoparticles. 2010 , 47, 965-970		10
1390	Finishing of Cotton Fabrics with Hyperbranched Poly (ester-amine) to Enhance Their Antibacterial Properties and UV Protection. 2010 , 49, 1297-1304		22
1389	Hyperbranched polymers with controlled degree of branching from 0 to 100%. 2010 , 132, 11000-1		69
1388	Synthesis of Hyperbranched Poly(m-phenylene)s via Suzuki Polycondensation of a Branched AB2 Monomer. <i>Macromolecules</i> , 2010 , 43, 9277-9282	5.5	35
1387	Enhanced Electrical Conductivity by Macromolecular Architecture: Hyperbranched Electroactive and Degradable Block Copolymers Based on Poly(Ecaprolactone) and Aniline Pentamer. <i>Macromolecules</i> , 2010 , 43, 4472-4480	5.5	82
1386	Hyperbranched polyglycerols: from the controlled synthesis of biocompatible polyether polyols to multipurpose applications. 2010 , 43, 129-41		462
1385	Synthesis, Characterization, and Properties of Starlike Poly(n-butyl acrylate)-b-poly(methyl methacrylate) Block Copolymers. <i>Macromolecules</i> , 2010 , 43, 1227-1235	5.5	65
1384	Hyperbranched Conjugated Polymers: Postfunctionalization. <i>Macromolecules</i> , 2010 , 43, 2124-2129	5.5	12
1383	Hydrogels in Miniemulsions. 2010 , 39-63		34
1382	Novel liquid crystalline hyperbranched polyesters with interior 4,7-diphenyl-2,1,3-benzothiadiazole units. <i>Polymer Chemistry</i> , 2010 , 1, 891	4.9	12
1381	Hyperbranched 5,6-glucan as reducing sugar ball. <i>Polymer Chemistry</i> , 2010 , 1, 82-92	4.9	12
1380	Controlling Polymer Topology by Atom Transfer Radical Self-Condensing Vinyl Polymerization of p-(2-Bromoisobutyloylmethyl)styrene. <i>Macromolecules</i> , 2010 , 43, 8790-8798	5.5	35
1379	Effect of Degree of Branching on the Self-Assembly of Amphiphilic Hyperbranched Multiarm Copolymers. <i>Macromolecules</i> , 2010 , 43, 1143-1147	5.5	56
1378	Well-Defined Star-Shaped Rod¶oil Diblock Copolymers as a New Class of Unimolecular Micelles: Encapsulation of Guests and Thermoresponsive Phase Transition. <i>Macromolecules</i> , 2010 , 43, 8304-8313	5.5	49
1377	Extremely High Molar Mass Hyperbranched Poly(arylene ether)s from a New Semifluorinated AB2 Monomer by an Unusual AB2 + A2 Polymerization Approach. <i>Macromolecules</i> , 2010 , 43, 2846-2854	5.5	23
1376	Thermocurable hyperbranched polystyrenes for ultrathin polymer dielectrics. 2010 , 2, 2475-80		8

(2010-2010)

1375	Highly Specific Molecular Recognition by a Roughly Defined Supramolecular Nanocapsule: A Fuzzy Recognition Mechanism. <i>Macromolecules</i> , 2010 , 43, 3809-3816	5.5	22
1374	Versatile Strategy for the Synthesis of Hyperbranched Poly(Eaprolactone)s and Polypseudorotaxanes Thereof. <i>Macromolecules</i> , 2010 , 43, 8447-8455	5.5	49
1373	Branched Poly(phenylacetylene). <i>Macromolecules</i> , 2010 , 43, 6278-6283	5.5	18
1372	Synthesis and Characterization of Low Viscosity Aromatic Hyperbranched Poly(trimellitic anhydride diethylene glycol) Ester Epoxy Resin. 2010 , 47, 957-964		9
1371	Soluble Hyperbranched Poly(glycolide) Copolymers. <i>Macromolecules</i> , 2010 , 43, 8539-8548	5.5	23
1370	Synthesis, characterization, and in vitro evaluation of long-chain hyperbranched poly(ethylene glycol) as drug carrier. 2010 , 21, 2093-102		31
1369	Aqueous Nanospheres Self-Assembled from Hyperbranched Polymers and Silver Ions: Molecular Inclusion and Photoreduction Characteristics. <i>Macromolecules</i> , 2010 , 43, 8971-8976	5.5	18
1368	Hyperbranched polyphosphates for drug delivery application: design, synthesis, and in vitro evaluation. 2010 , 11, 1564-70		95
1367	Effect of degree of branching on the thermoresponsive phase transition behaviors of hyperbranched multiarm copolymers: comparison of systems with LCST transition based on coil-to-globule transition or hydrophilic-hydrophobic balance. 2010 , 114, 6291-9		37
1366	Conjugated Organosilicon Materials for Organic Electronics and Photonics. 2010 , 33-110		50
1365	Functional dendritic polymer architectures as stimuli-responsive nanocarriers. 2010 , 92, 1242-51		114
1364	Magnetic dendritic materials for highly efficient adsorption of dyes and drugs. 2010 , 2, 1483-91		272
1363	Hyperbranched Linear Polyethylene Block Polymers Constructed with Chain Blocks of Hybrid Chain Topologies via One-Pot Stagewise Chain Walking Ethylene Living Polymerization. <i>Macromolecules</i> , 2010 , 43, 8026-8038	5.5	54
1362	Synthesis and gene delivery of poly(amido amine)s with different branched architecture. 2010 , 11, 489	-95	78
1361	Formation of hyperbranched polymers in atom transfer radical copolymerization of MMA and DVB. 2010 , 53, 2440-2451		8
1360	Bioapplications of Networks Based on Photo-Cross-Linked Hyperbranched Polymers. 2010 , 291-292, 307-313		6
1359	Polyglycerol nanogels: highly functional scaffolds for biomedical applications. 2010 , 6, 4968		62

1357	Facile synthesis of multiamino vinyl poly(amino acid)s for promising bioapplications. 2010 , 11, 3609-16		50
1356	Synthesis and evaluation of phenylalanine-modified hyperbranched poly(amido amine)s as promising gene carriers. 2010 , 11, 245-51		64
1355	Novel application of a Fe-Zn double-metal cyanide catalyst in the synthesis of biodegradable, hyperbranched polymers. 2011 , 47, 10449-51		20
1354	A Simple Route to Functional Highly Branched Structures: RAFT Homopolymerization of Divinylbenzene. <i>Macromolecules</i> , 2011 , 44, 2715-2724	5.5	71
1353	Self-assembly of non-linear polymers at the air/water interface: the effect of molecular architecture. 2011 , 7, 10520		29
1352	A new polymerisation route to conjugated polymers: regio- and stereoselective synthesis of linear and hyperbranched poly(arylene chlorovinylene)s by decarbonylative polyaddition of aroyl chlorides and alkynes. 2011 , 2, 1850		17
1351	Eyclodextrin and its hyperbranched polymers-induced micro/nanopatterns and tunable wettability on polymer surfaces. 2011 , 3, 5147		15
1350	Synthesis and Properties of a Variety of Well-Defined Hyperbranched N-Alkyl and N-H Polyamides by Chain-Growth Condensation Polymerization of AB2 Monomers. <i>Macromolecules</i> , 2011 , 44, 5112-512	2 ^{5.5}	38
1349	Hyperbranched Polyacetals with Tunable Degradation Rates. <i>Macromolecules</i> , 2011 , 44, 4658-4664	5.5	37
1348	Organic macromolecular high dielectric constant materials: synthesis, characterization, and applications. 2011 , 115, 13419-32		45
1347	Low swelling hyperbranched poly(amine-ester) hydrogels for pH-modulated differential release of anticancer drugs. 2011 , 21, 13530		30
1346	Size-Controlled Synthesis of Hyperbranched Polymer Protected Gold Nanoparticles. 2011 , 332-334, 21	12-211	5
1345	Thermodynamics of hyperbranched poly(ethylenimine) with isobutyramide residues during phase transition: an insight into the molecular mechanism. 2011 , 115, 8832-44		30
1344	Polymer Architecture Control in Emulsion Polymerization via Catalytic Chain Transfer Polymerization. <i>Macromolecules</i> , 2011 , 44, 6701-6710	5.5	11
1343	IllickILong Seesaw-Type A~~B~~A Chains Together into Huge Defect-Free Hyperbranched Polymer Chains with Uniform Subchains. <i>Macromolecules</i> , 2011 , 44, 6233-6236	5.5	56
1342	A Study of Antimicrobial Property of Oxidized Cotton Fabric Finished with Amino-Terminated Hyperbranched Polymer. 2011 , 175-176, 640-645		
1341	From Stars to Microgels. 2011 , 1007-1056		3
1340	Some new design strategies for second-order nonlinear optical polymers and dendrimers. <i>Polymer Chemistry</i> , 2011 , 2, 2723	4.9	148

1339	Applications of Hyperbranched Polymers in Coatings, as Additives, and in Nanotechnology. 2011 , 415-440	6
1338	Side- and End-Chain Benzoxazine Functional Polymers. 2011 , 319-329	1
1337	Branched and Self-Crosslinkable Poly(methyl methacrylate)s Prepared via One-Pot Synthesis in Aqueous Emulsion. 2011 , 48, 320-325	1
1336	General Avenue to Individually Dispersed Graphene Oxide-Based Two-Dimensional Molecular Brushes by Free Radical Polymerization. <i>Macromolecules</i> , 2011 , 44, 444-452	180
1335	General Avenue to Multifunctional Aqueous Nanocrystals Stabilized by Hyperbranched Polyglycerol. 2011 , 23, 1461-1470	66
1334	Synthesis of Hyperbranched Polymers via Polymerization of Functionally Symmetric Monomer Pairs. 2011 , 79-106	3
1333	Promising Dendritic Materials: An Introduction to Hyperbranched Polymers. 2011 , 1-26	15
1332	Synthesis of Hyperbranched Polymers via Polymerization of Asymmetric Monomer Pairs. 2011 , 107-138	5
1331	Hyperbranched Copolymers Synthesized by Cocondensation and Radical Copolymerization. 2011, 203-226	2
1330	Degree of Branching (DB). 2011 , 301-316	1
1329	Influence of Branching Architecture on Polymer Properties. 2011 , 317-331	1
1328	Kinetic Theory of Hyperbranched Polymerization. 2011 , 333-367	4
1327	Conclusions and Perspective: Toward Hyperbranched/Dendritic States. 2011 , 441-452	
1326	Hyperbranched polymers versus dendrimers containing a carbosilane framework and terminal ammonium groups as antimicrobial agents. 2011 , 9, 5238-48	53
1325	Polymeric micelles with water-insoluble drug as hydrophobic moiety for drug delivery. 2011 , 12, 2016-26	70
1324	Synthesis of a linear polymer from an AB2 monomer of 1-(3-phenoxypropyl)piperidine-4-one in trifluoromethanesulfonic acid. <i>Polymer Chemistry</i> , 2011 , 2, 1644	5
1323	Redox-responsive polyphosphate nanosized assemblies: a smart drug delivery platform for cancer therapy. 2011 , 12, 2407-15	180
1322	Bioreducible micelles self-assembled from amphiphilic hyperbranched multiarm copolymer for glutathione-mediated intracellular drug delivery. 2011 , 12, 1567-77	179

1321	Sequential click synthesis of hyperbranched polymersvia the A2 + CB2 approach. <i>Polymer Chemistry</i> , 2011 , 2, 2175	4.9	63
1320	Red light-emitting hyperbranched fluorene-alt-carbazole copolymers with an iridium complex as the core. <i>Polymer Chemistry</i> , 2011 , 2, 2193	4.9	33
1319	Surface modification of carbon nanotubes with dendrimers or hyperbranched polymers. <i>Polymer Chemistry</i> , 2011 , 2, 998-1007	4.9	89
1318	Radical Polymerization. 2011 , 161-215		2
1317	Polycondensation. 2011 , 295-349		3
1316	Linear Versus (Hyper)branched Polymers. 2011 , 973-1005		3
1315	Acyclic diene metathesis: a versatile tool for the construction of defined polymer architectures. 2011 , 40, 1404-45		233
1314	Grafting of Polymers on Nanotubes by Atom Transfer Radical Polymerization. 2011 , 179-213		
1313	Novel Hyperbranched Ferrocene-Containing Poly(boro)carbosilanes Synthesized via a Convenient A2 + B3[Approach. <i>Macromolecules</i> , 2011 , 44, 1280-1291	5.5	75
1312	Control of Molecular Weight and Polydispersity of Hyperbranched Polymers Using a Reactive B3 Core: A Single-Step Route to Orthogonally Functionalizable Hyperbranched Polymers. <i>Macromolecules</i> , 2011 , 44, 8398-8406	5.5	32
1311	Mechanistic study of Atom Transfer Radical Polymerization in the Presence of an Inimer: Toward Highly Branched Controlled Macromolecular Architectures through One-Pot Reaction. <i>Macromolecules</i> , 2011 , 44, 7124-7131	5.5	24
1310	Bioinspired synthesis of calcium carbonate hollow spheres with a nacre-type laminated microstructure. <i>Langmuir</i> , 2011 , 27, 366-70	4	20
1309	Formation Kinetics and Scaling of D efect-Free H yperbranched Polystyrene Chains with Uniform Subchains Prepared from Seesaw-Type Macromonomers. <i>Macromolecules</i> , 2011 , 44, 8195-8206	5.5	72
1308	EPR study of spin labeled brush polymers in organic solvents. 2011 , 133, 19953-9		68
1307	Modeling of hyperbranched polyesters as hosts for the multifunctional bioactive agent Shikonin. 2011 , 13, 10808-17		15
1306	Facile Synthesis of Hyperbranched and Star-Shaped Polymers by RAFT Polymerization Based on a Polymerizable Trithiocarbonate. <i>Macromolecules</i> , 2011 , 44, 2034-2049	5.5	102
1305	Acetylenic Polymers. 2011 ,		
1304	Highly stretchable, transparent and scalable elastomers with tunable dielectric permittivity. 2011 , 21, 7686		55

1303	Degradable and Biodegradable Polymers by Controlled/Living Radical Polymerization: From Synthesis to Application. 2011 , 235-261	1	
1302	A Novel Approach to Branched Polymers via Latent Thiol Chain-transfer Polymerization. 2011 , 40, 1378-1380	6	
1301	Transition Metal-Catalyzed Step-Growth Radical Polymerization. 2011 , 68, 436-456	О	
1300	Synthesis of Well-Defined Hyperbranched Polyamides and Linear-Hyperbranched Block Copolymers by Chain-Growth Condensation Polymerization. 2011 , 84, 350-356		
1299	Construction of amphiphilic copolymer nanoparticles based on hyperbranched poly (amine-ester) and 1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine as drug carriers for cancer therapy. 2011 , 7, 945-54	7	
1298	Synthesis of amphiphilic hyperbranched polymers for the controlled release of double-guest molecules. 2011 , 152 Suppl 1, e97-8	2	
1297	Synthesis of well-defined hyperbranched polymers bio-based on multifunctional phenolic acids and their structurethermal property relationships. 2011 , 96, 2048-2054	27	
1296	Kinetic treatment for the copolycondensation of A2 and CB2 monomers with non-equal reactivity. <i>Polymer</i> , 2011 , 52, 5387-5392	6	
1295	Photopolymerization behavior and properties of highly branched polyester acrylate containing thioether linkage used for UV curing coatings. <i>Progress in Organic Coatings</i> , 2011 , 71, 48-55	9	
1294	Photopolymerization behavior and properties of highly branched poly(thioether-urethane) acrylates used for UV-curing coatings. <i>Progress in Organic Coatings</i> , 2011 , 71, 399-405	26	
1293	Sulfur-containing hyperbranched polymeric photoinitiator end-capped with benzophenone and tertiary amine moieties prepared via simultaneous double thiol-ene click reactions used for UV curing coatings. <i>Progress in Organic Coatings</i> , 2011 , 72, 572-578	22	
1292	Thermally stable hyperbranched nonlinear optical polyimides using an A2+B3Dapproach. 2011 , 127, 107-113	10	
1291	Hyperbranched polytriazoles with high molecular compressibility: aggregation-induced emission and superamplified explosive detection. 2011 , 21, 4056	256	
1290	A series of hyperbranched polytriazoles containing perfluoroaromatic rings from AB2-type monomers: convenient syntheses by click chemistry under copper(I) catalysis and enhanced optical nonlinearity. 2011 , 6, 2787-95	44	
1289	Topological structure and molecular mobility of linear and branched poly(meth)acrylates studied by NMR relaxation. 2011 , 60, 1500-1504	4	
1288	New polynitrogen hyperbranched polymers. 2011 , 60, 1940-1943	4	
1287	Polynuclear copper(II) complexes with polydentate nanoligands on the basis of aminoderivatives of the hyperbranched polyesters. 2011 , 81, 1535-1538	10	
1286	Structural behavior of hyperbranched polymers in solvents of various qualities: Brownian dynamics simulation. 2011 , 53, 837-845	5	

1285	Analysis of branched oligophenylene by absorption and fluorescence spectra. 2011, 78, 31-37		2
1284	Novel hyperbranched polyamidoamine nanoparticles for transfecting skeletal myoblasts with vascular endothelial growth factor gene for cardiac repair. 2011 , 22, 2477-85		8
1283	The Synthesis and Characterization of s-Triazine-Cored and [Fe(III)Salen]-Capped Polymer Complexes. 2011 , 21, 688-693		7
1282	Hyperbranched poly (amine-ester)-poly(Etaprolactone) copolymer and their nanoparticles as camptothecin delivery system. <i>Journal of Polymer Research</i> , 2011 , 18, 1147-1158	2.7	2
1281	Flame retardant epoxy resins from bisphenol-A epoxy cured with hyperbranched polyphosphate ester. <i>Journal of Polymer Research</i> , 2011 , 18, 2229-2237	2.7	52
1280	Hyperbranched polymers meet colloid nanocrystals: a promising avenue to multifunctional, robust nanohybrids. 2011 , 289, 1299-1320		42
1279	Hyperbranched epoxy resins prepared by proton transfer polymerization from an A2 + B3 system. 2011 , 29, 300-307		15
1278	Synthesis and characterization of hyperbranched polyurethane-benzyltetrazole. 2011 , 29, 670-683		4
1277	Glycerol based polyether-nanogels with tunable properties via acid-catalyzed epoxide-opening in miniemulsion. <i>Reactive and Functional Polymers</i> , 2011 , 71, 356-361	4.6	19
1276	Comparative study on the supramolecular nanocarriers derived from the assembly of gemini and conventional surfactants onto hyperbranched polyethylenimine. 2011 , 19, 189-196		4
1275	Controlled synthesis of branched polystyrene via free radical polymerization of novel chain transfer monomer. 2011 , 19, 770-777		3
1274	Synthesis and shape memory behavior study of hyperbranched poly(urethane-tetrazole). 2011 , 54, 146	51-1467	' 4
1273	Bio-based hyperbranched polyurethane/clay nanocomposites: adhesive, mechanical, and thermal properties. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 973-980	3.2	39
1272	Synthesis and photoinitiating behavior of hyperbranched polymeric photoinitiators bearing coinitiator amine. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1673-1680	3.2	11
1271	Hyperbranched poly (amine-ester)-poly (lactide-co-glycolide) copolymer and their nanoparticles as paclitaxel delivery system. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 2325-2335	3.2	5
1270	Microcellular poly(hydroxybutyrate-co-hydroxyvalerate)-hyperbranched polymerBanoclay nanocomposites. 2011 , 51, 1815-1826		14
1269	Synthesis of backbone thermo and pH dual-responsive hyperbranched poly(amine-ether)s through proton-transfer polymerization. 2011 , 49, 966-975		24
1268	Thiol-ene clickable hyperscaffolds bearing peripheral allyl groups. 2011 , 49, 1735-1744		21

(2011-2011)

1267	New series of AB2-type hyperbranched polytriazoles derived from the same polymeric intermediate: Different endcapping spacers with adjustable bulk and convenient syntheses via click chemistry under copper(I) catalysis. 2011 , 49, 1977-1987	42
1266	Synthesis of novel hyperbranched polymer through cationic ring-opening multibranching polymerization of 2-hydroxymethyloxetane. 2011 , 49, 2353-2365	16
1265	Supramolecular fuzzy recognition leads to effective differentiation of similar molecules. 2011 , 49, 2373-2381	14
1264	Synthesis of low grafting density molecular brush from a poly(N-alkyl urea peptoid) backbone. 2011 , 49, 3030-3037	32
1263	Synthesis, characterization, and rheological properties of multiarm stars with poly(glycidol) core and poly(methyl methacrylate) arms by AGET ATRP. 2011 , 49, 3138-3151	14
1262	Versatile synthesis of asymmetrical dendron-like/dendron-like poly(Etaprolactone)-b-poly(Ebenzyl-L-glutamate) block copolymers. 2011 , 49, 3491-3498	8
1261	Combined techniques for the characterization of linearflyperbranched hybrid poly(butylene adipate) copolymers. 2011 , 49, 3615-3630	11
1260	Comparative study of amphiphilic hyperbranched and linear polymer stabilized organo-soluble gold nanoparticles as efficient recyclable catalysts in the biphasic reduction of 4-nitrophenol. 2011 , 49, 3826-3834	27
1259	Influence of branching architecture on polymer properties. 2011 , 49, 1277-1286	103
1258	Modeling highly branched structures: Description of the solution structures of dendrimers, polyglycerol, and glycogen. 2011 , 49, 1525-1538	7
1257	Synthesis and characterization of Sm(III) Byperbranched poly(ester-amide) complex. 2011, 60, 136-140	9
1256	Modifications and applications of hyperbranched aliphatic polyesters based on dimethylolpropionic acid. 2011 , 60, 153-166	29
1255	Effect of hyperbranched acrylates on UV-curable soy-based biorenewable coatings. 2011 , 60, 571-577	21
1254	Study of blends of linear poly(ether ether ketone) of high melt viscosity and hyperbranched poly(ether ether ketone). 2011 , 60, 607-612	17
1253	A novel hyperbranched polyester made from aconitic acid (B3) and di(ethylene glycol) (A2). 2011 , 60, 630-634	30
1252	Size-dependant cellular uptake of dendritic polyglycerol. 2011 , 7, 820-9	52
1251	Design and synthesis of novel polyglycerol hybrid nanomaterials for potential applications in drug delivery systems. 2011 , 11, 383-90	40
1250	Construction of a hyperbranched supramolecular polymer as a bifunctional antioxidative enzyme model. 2011 , 11, 821-7	21

1249	Disulfide-Containing Hyperbranched Polyethylenimine Derivatives via Click Chemistry for Nonviral Gene Delivery. 2011 , 212, 64-71		30
1248	Synthesis of Heterobifunctional Hyperbranched Polyethylenes Tethered with Dual Acryloyl and 2-Bromoisobutyryl Functionalities via One-Pot Chain-Walking Terpolymerization. 2011 , 212, 1255-1262		12
1247	Complex Branched Polyolefin Generated from Quasi-living Polymerization of 4-Methyl-1-pentene Catalyzed by Diimine Palladium Catalyst. 2011 , 212, 2029-2035		16
1246	Hyperbranched polycarbonate-based multimolecular micelle with enhanced stability and loading efficiency. 2011 , 32, 390-6		47
1245	Synthesis of Hyperbranched Polymer Having Binaphthol Units via Oxidative Cross-Coupling Polymerization. 2011 , 389-405		
1244	Preparation of heat-resistant branched poly(styrene-alt-NPMI) by ATRP with divinylbenzene as the branching agent. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 977-982	2.9	8
1243	Shape-memory polyurethanes minimally crosslinked with hydroxyl-terminated AB2-type hyperbranched polyurethanes. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 725-734	2.9	19
1242	Synthesis of s-triazine-based hyperbranched polyurethane for novel carbon-nanotube-dispersed nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 474-483	2.9	18
1241	Crystallinity of polyamide 6 staple fibers in the felt structure under simulated paper machine conditions. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 2222-2232	2.9	2
1240	Effect of phthalic anhydride-based hyperbranched polyesteramide on cement characteristics. Journal of Applied Polymer Science, 2011 , 120, 3054-3064	2.9	11
1239	Synthesis of hyperbranched polyester-amides and their application as crosslinkers for polyurethane curing systems. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 957-963	2.9	9
1238	Synthesis and application of long-chain alkyl quaternary ammonium-functionalized hyperbranched polyester. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 2927-2935	2.9	17
1237	Self-condensing atom transfer radical polymerization of inimers of different reactivity ratios with styrene and the thermal properties of poly(2,6-dimethyl-1, 4-phenylene oxide)/branched polystyrene blends. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 2957-2968	2.9	2
1236	Synthesis of hyperbranched polycarbosilane modified with cyclodextrin derivatives and its application in coated capillary electrophoresis columns. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 2167-2173	2.9	10
1235	Synthesis and Characterization of a Novel Low-Viscosity Unsaturated Hyperbranched Polyester Resin. 2011 , 34, 119-126		6
1234	Nanoparticle carriers based on copolymers of poly(Eaprolactone) and hyperbranched polymers for drug delivery. 2011 , 353, 107-15		40
1233	Aliphatic hyperbranched polyesters based on 2,2-bis(methylol)propionic acidDetermination of structure, solution and bulk properties. <i>Progress in Polymer Science</i> , 2011 , 36, 53-88	29.6	152
1232	Polymerization of 4-methyl-1-pentene catalyzed by Ediimine nickel catalysts: Living/controlled behavior, branch structure, and mechanism. <i>Polymer</i> , 2011 , 52, 130-137	3.9	36

1231	Thermosensitive dendritic stars of tert-butyl-glycidylether and glycidol S ynthesis and encapsulation properties. <i>Polymer</i> , 2011 , 52, 3526-3536	3.9	15
1230	Host-Guest Supramolecular Chemistry of Dendritic Macromolecules. 2011 , 15, 2-26		34
1229	pH- and Thermo-Sensitive Co-polymers Based on a Hyperbranched Polymers Core as Encapsulation and Release Carriers for Guest Molecules. 2011 , 14, 167-178		11
1228	TOUGHNESS AND REINFORCEMENT OF LINEAR UNSATURATED POLYESTER RESINS BY UNSATURATED HYPERBRANCHED POLYMER AND MECHANISM ANALYSIS. 2011 , 04, 351-355		10
1227	Synthesis of the Hyperbranched Polymers-RSD Compound and its Application in Dyeability Modification of Cotton. 2011 , 175-176, 750-754		1
1226	HIGHLY BRANCHED POLY(BUTYLENE ADIPATE) FOR PVC PLASTICIZATION: SYNTHESIS AND BLEND CHARACTERIZATION. 2011 , 04, 361-364		6
1225	Hydrodynamic and Molecular Properties of Hyperbranched Copolymers Formed by Pentafluorophenylgermane Hydrides. 2011 , 16, 369-376		1
1224	Diffusion-limited hyperbranched polymers with substitution effect. 2011 , 134, 104901		12
1223	Phase transition of a single star polymer: a Wang-Landau sampling study. 2011 , 135, 094902		13
1222	pH-Responsive Hyperbranched Copolymers from One-Pot RAFT Copolymerization of Propylacrylic Acid and Poly(ethylene glycol diacrylate). 2012 , 77, 333-342		1
1221	Novel vascular endothelial growth factor gene delivery system-manipulated mesenchymal stem cells repair infarcted myocardium. 2012 , 237, 678-87		12
1220	Analytical Rheology of Polymer Melts: State of the Art. 2012 , 2012, 1-24		10
1219	Synthesis and Property of Water-Soluble Hyperbranched Polyacrylate Emulsion. 2012 , 262, 460-463		
1218	Polymeric micelles: authoritative aspects for drug delivery. 2012 , 15, 465-521		131
1217	Synthesis and characterization of thermostable hyperbranched epoxy resin for surface coating applications. 2012 , 27, 1806-1814		9
1216	Emergence of localized in-gap states in conjugated polymers of branched topology. 2012 , 86,		9
1215	Synthesis, thermal and solar cell application of novel hyperbranched polyurethanes containing azomethine and aryl-ether connectivities. 2012 , 24, 561-570		11
1214	Synthesis of Well-Defined, Water-Soluble Hyperbranched Polyamides by Chain-Growth Condensation Polymerization of AB2 Monomer. <i>Polymers</i> , 2012 , 4, 1170-1182	4.5	18

1213	Dendritic nanoparticles: the next generation of nanocarriers?. 2012 , 3, 941-59		37
1212	Synthesis, Functionalization and Reductive Degradation of Multibrominated Disulfide-containing Hyperbranched Polymers. 2012 , 65, 28		12
1211	Processing of poly(hydroxybutyrate-co-hydroxyvalerate)-based bionanocomposite foams using supercritical fluids. 2012 , 27, 1506-1517		13
1210	Enhanced Gas Permselectivity of Copoly(Hyperbranched Macromonomer) Synthesized by One-pot Simultaneous Copolymerization of Dimethylsilyl-containing Phenylacetylenes. 2012 , 41, 1462-1464		15
1209	A simple route to synthesis of branched and cross-linked polymers with clickable moieties by photopolymerization. 2012 , 48, 10252-4		43
1208	Inimer Mediated Synthesis of Hyperbranched Polyglycerol via Self-Condensing Ring-Opening Polymerization. <i>Macromolecules</i> , 2012 , 45, 9657-9665	5.5	23
1207	Polyester Dendrimers. <i>Polymers</i> , 2012 , 4, 794-879	4.5	42
1206	Synthesis of hyperbranched polymers with controlled degree of branching. <i>Polymer Journal</i> , 2012 , 44, 14-29	2.7	33
1205	A new nanocomposite polymer electrolyte based on poly(vinyl alcohol) incorporating hypergrafted nano-silica. 2012 , 22, 18961		68
1204	Atom Transfer Radical Polymerization (ATRP) and Addition (ATRA) and Applications. 2012,		1
1203	New second-order nonlinear optical (NLO) hyperbranched polymers containing isolation chromophore moieties derived from one-pot A2 + B4 pproach via Suzuki coupling reaction. 2012 , 2, 6520		32
1202	Fullerene-containing N-vinylpyrrolidone copolymers as sorbents and polymeric containers for low-molecular-weight compounds. 2012 , 85, 1247-1254		1
1201	pH-Responsive Hyperbranched Copolymers from One-Pot RAFT Copolymerization. 2012 , 297, 1175-1183	1	8
1200	Synthesis and characterization of tyclodextrin modified hyperbranched carbosilane as stationary phase for GC. 2012 , 23, 1259-1262		3
1199	Production of CaCO3/hyperbranched polyglycidol hybrid films using spray-coating technique. 2012 , 374, 61-9		14
1198	Biomimetic catalysts designed on macromolecular scaffolds. <i>Progress in Polymer Science</i> , 2012 , 37, 1476-2	15.6 9	64
1197	Preparation of a novel hyperbranched carbosilane-silica hybrid coating for trace amount detection by solid phase microextraction/gas chromatography. 2012 , 1256, 213-21		3
1196	Protein resistant properties of polymers with different branched architecture on a gold surface. 2012 , 22, 23852		34

1195	Synthesis and transport properties of new dendritic corellhell architectures based on hyperbranched polyglycerol with biphenyl-PEG shells. 2012 , 36, 371-379		17
1194	Hydrophobicity/hydrophilicity tunable hyperbranched polystyrenes as novel supports for transition-metal nanoparticles. 2012 , 48, 10666-8		15
1193	Nonvolatile write-once read-many-times memory device based on an aromatic hyperbranched polyimide bearing triphenylamine moieties. 2012 , 2, 12879		26
1192	Carboxylic acids as latent initiators of radical polymerization carried out in the presence of hypervalent iodine compounds: synthesis of branched and transiently crosslinked polymers. <i>Polymer Chemistry</i> , 2012 , 3, 1910-1917	4.9	23
1191	SANS Investigation of Global and Segmental Structures of Hyperbranched Aliphatic Aromatic Polyesters. <i>Macromolecules</i> , 2012 , 45, 3177-3187	5.5	20
1190	Aggregation Phenomena of Host and Guest upon the Loading of Dendritic Core-Multishell Nanoparticles with Solvatochromic Dyes. <i>Macromolecules</i> , 2012 , 45, 9452-9459	5.5	47
1189	A conjugated hyperbranched polymer constructed from carbazole and tetraphenylethylene moieties: convenient synthesis through one-pot A2 + B4\(\bar{B}\) uzuki polymerization, aggregation-induced enhanced emission, and application as explosive chemosensors and PLEDs.		129
1188	2012, 22, 6374 Hyperbranched polymers with thermoresponsive property highly sensitive to ions. <i>Langmuir</i> , 2012, 28, 4867-76	4	43
1187	Branched multifunctional polyether polyketals: variation of ketal group structure enables unprecedented control over polymer degradation in solution and within cells. 2012 , 134, 14945-57		85
1186	Kinetic Analysis of A2 + AB2 Polymerization Approach. 2012 , 21, 648-655		1
1185	New method to access hyperbranched polymers with uniform structure via one-pot polymerization of inimer in microemulsion. 2012 , 134, 15680-3		84
1184	Synergistic effect between a hyperbranched charring agent and ammonium polyphosphate on the intumescent flame retardance of acrylonitrile-butadiene-styrene polymer. 2012 , 97, 1107-1113		60
1183	Kinetic analysis of AB2 polycondensation in the presence of multifunctional cores with various reactivities. <i>Polymer</i> , 2012 , 53, 3386-3391	3.9	13
1182	Reversibly light-responsive micelles constructed via a simple modification of hyperbranched polymers with chromophores. <i>Polymer</i> , 2012 , 53, 3695-3703	3.9	52
1181	Synthesis and preparation of sulfonated hyperbranched poly(arylene ether sulfone)/poly(ether sulfone) blend membranes for proton exchange membranes. 2012 , 220, 23-31		15
1180	Synthesis of Hyperbranched Poly(phenylacetylene)s Containing Pendant Alkyne Groups by One-Pot Pd-Catalyzed Copolymerization of Phenylacetylene with Diynes. <i>Macromolecules</i> , 2012 , 45, 5020-5031	5.5	31
1179	Synthesis, characterization, and biocompatibility of biodegradable hyperbranched polyglycerols from acid-cleavable ketal group functionalized initiators. 2012 , 13, 3018-30		37
1178	Ethynyl-Capped Hyperbranched Conjugated Polytriazole: Click Polymerization, Clickable Modification, and Aggregation-Enhanced Emission. <i>Macromolecules</i> , 2012 , 45, 7692-7703	5.5	82

1177	Fast and scalable production of hyperbranched polythioether-ynes by a combination of thiol-halogen click-like coupling and thiol-yne click polymerization. <i>Polymer Chemistry</i> , 2012 , 3, 1918-1925.9	46
1176	Multicarboxylic hyperbranched polyglycerol modified SBA-15 for the adsorption of cationic dyes and copper ions from aqueous media. 2012 , 258, 5291-5298	75
1175	Effect of thermal treatment on gas transport properties of hyperbranched polyimidelilica hybrid membranes. 2012 , 417-418, 193-200	16
1174	LiquidIIquid phase equilibria of hyperbranched polymersExperimental study and modeling. 2012 , 328, 49-60	17
1173	Tailored star block copolymer architecture for high performance chemically amplified resists. 2012 , 24, 5939-44	10
1172	Effect of Degree of Branching on Properties of Photosensitive Nanoparticles as Drug-Delivery Carriers. 2012 , 213, 2157-2164	3
1171	Selenium/Tellurium-Containing Hyperbranched Polymers: Effect of Molecular Weight and Degree of Branching on Glutathione Peroxidase-Like Activity. 2012 , 33, 2127-32	21
1170	New hyperbranched second-order nonlinear optical poly(arylene-ethynylene)s containing pentafluoroaromatic rings as isolation group: Facile synthesis and enhanced optical nonlinearity through Ar-ArF self-assembly effect. 2012 , 50, 5124-5133	30
1169	Formation of a polynuclear cobalt(ii) complex on a polydentate nanoplatform of carboxylated boltorn H20. 2012 , 57, 1244-1251	2
1168	Multivalent Dendritic Architectures for Theranostics. 2012 , 315-344	2
1167	Nonlinear Macromolecules by Ring-Opening Polymerization. 2012 , 571-596	2
1166	Individual Nano-Objects Obtained via Hierarchical Assembly of Polymer Building Blocks. 2012 , 775-820	1
1165	Hyperbranched Polymers. 2012 , 177-198	6
1164	Nonlinear Polycondensates. 2012 , 239-246	
1163	Modification of tannin based rigid foams using oligomers of a hyperbranched poly(amine-ester). Journal of Polymer Research, 2012, 19, 1	24
1162	Construction of photo-responsive micelles from azobenzene-modified hyperbranched polyphosphates and study of their reversible self-assembly and disassembly behaviours. 2012 , 36, 694-701	38
1161	Structures and performances of simultaneous ultrasound and alkali treated oil palm empty fruit bunch fiber reinforced poly(lactic acid) composites. 2012 , 43, 1921-1929	69
1160	Characterization, stability and ecotoxic properties of readily biodegradable branched oligoesters based on bio-sourced succinic acid and glycerol. 2012 , 97, 1956-1963	13

1159	Thermal degradation characteristics of flame retardant polylactide using TG-IR. 2012 , 97, 2143-2147		52
1158	Amphiphilic multiarm star polylactide with hyperbranched polyethylenimine as core: A systematic reinvestigation. <i>Polymer</i> , 2012 , 53, 3900-3909	3.9	30
1157	Hyperbranched polycarbosiloxanes and polycarbosilanes via bimolecular non-linear hydrosilylation polymerization. <i>Polymer</i> , 2012 , 53, 5459-5468	3.9	16
1156	Preparation and characterization of a novel hyperbranched polyphosphate ester. 2012 , 137, 154-159		7
1155	Thiol-promoted catalytic synthesis of diphenolic acid with sulfonated hyperbranched poly(arylene oxindole)s. 2012 , 48, 3497-9		60
1154	StructureThermomechanical Property Correlations of Highly Branched SiloxaneDrethane Networks. <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> . <i>Industrial & Description of Highly Branched SiloxaneDrethane Networks</i> .	3.9	17
1153	Water-Soluble and Clickable Segmented Hyperbranched Polymers for Multifunctionalization and Novel Architecture Construction. <i>Macromolecules</i> , 2012 , 45, 4966-4977	5.5	74
1152	Hyperbranched polyethylenes by chain walking polymerization: synthesis, properties, functionalization, and applications. <i>Polymer Chemistry</i> , 2012 , 3, 286-301	4.9	149
1151	Influence of the Mole Ratio of the Interacting to the Stabilizing Portion (RI/S) in Hyperbranched Polymers on CaCO3 Crystallization: Synthesis of Highly Monodisperse Microspheres. 2012 , 12, 4053-40	59	8
1150	Hyperbranched Polymers: Synthesis and Characterization Aspects. 2012, 701-740		5
1150 1149	Hyperbranched Polymers: Synthesis and Characterization Aspects. 2012 , 701-740 Intramolecular Cyclization in A2 + B3 Polymers via Step-Wise Polymerization Resulting in a Highly Branched Topology: Quantitative Determination of Cycles by Combined NMR and SEC Analytics. <i>Macromolecules</i> , 2012 , 45, 6185-6195	5.5	5 47
	Intramolecular Cyclization in A2 + B3 Polymers via Step-Wise Polymerization Resulting in a Highly Branched Topology: Quantitative Determination of Cycles by Combined NMR and SEC Analytics.	5.5	
1149	Intramolecular Cyclization in A2 + B3 Polymers via Step-Wise Polymerization Resulting in a Highly Branched Topology: Quantitative Determination of Cycles by Combined NMR and SEC Analytics. Macromolecules, 2012, 45, 6185-6195 Individual graphene oxide platelets through direct molecular exfoliation with globular amphiphilic		
1149	Intramolecular Cyclization in A2 + B3 Polymers via Step-Wise Polymerization Resulting in a Highly Branched Topology: Quantitative Determination of Cycles by Combined NMR and SEC Analytics. <i>Macromolecules</i> , 2012 , 45, 6185-6195 Individual graphene oxide platelets through direct molecular exfoliation with globular amphiphilic hyperbranched polymers. <i>Polymer Chemistry</i> , 2012 , 3, 1249 Aliphatic Hyperbranched Polycarbonates: Synthesis, Characterization, and Solubility in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2012 , 45, 6819-6829	4.9	47 23
1149 1148 1147	Intramolecular Cyclization in A2 + B3 Polymers via Step-Wise Polymerization Resulting in a Highly Branched Topology: Quantitative Determination of Cycles by Combined NMR and SEC Analytics. <i>Macromolecules</i> , 2012 , 45, 6185-6195 Individual graphene oxide platelets through direct molecular exfoliation with globular amphiphilic hyperbranched polymers. <i>Polymer Chemistry</i> , 2012 , 3, 1249 Aliphatic Hyperbranched Polycarbonates: Synthesis, Characterization, and Solubility in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2012 , 45, 6819-6829	4.9	47 23 36
1149 1148 1147 1146	Intramolecular Cyclization in A2 + B3 Polymers via Step-Wise Polymerization Resulting in a Highly Branched Topology: Quantitative Determination of Cycles by Combined NMR and SEC Analytics. <i>Macromolecules</i> , 2012 , 45, 6185-6195 Individual graphene oxide platelets through direct molecular exfoliation with globular amphiphilic hyperbranched polymers. <i>Polymer Chemistry</i> , 2012 , 3, 1249 Aliphatic Hyperbranched Polycarbonates: Synthesis, Characterization, and Solubility in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2012 , 45, 6819-6829 Multifunctional Nanoparticles for Drug Delivery Applications. 2012 , Biocompatible or biodegradable hyperbranched polymers: from self-assembly to cytomimetic	4.9	47 23 36 25
1149 1148 1147 1146	Intramolecular Cyclization in A2 + B3 Polymers via Step-Wise Polymerization Resulting in a Highly Branched Topology: Quantitative Determination of Cycles by Combined NMR and SEC Analytics. <i>Macromolecules</i> , 2012 , 45, 6185-6195 Individual graphene oxide platelets through direct molecular exfoliation with globular amphiphilic hyperbranched polymers. <i>Polymer Chemistry</i> , 2012 , 3, 1249 Aliphatic Hyperbranched Polycarbonates: Synthesis, Characterization, and Solubility in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2012 , 45, 6819-6829 Multifunctional Nanoparticles for Drug Delivery Applications. 2012 , Biocompatible or biodegradable hyperbranched polymers: from self-assembly to cytomimetic applications. 2012 , 41, 5986-97	4·9 5·5	47 23 36 25 199

1141	Kinetic study of dichlorocarbene addition to olefins via a quaternized highly branched polyacrylamide as a new multi-site phase transfer catalyst. 2012 , 21, 641-649		2
1140	Synthesis of Hyperbranched Polymer Using Slow Monomer Addition Method. 2012 , 2012, 1-8		10
1139	Nanomedical and advanced materials. 187-254		1
1138	Preparation and Characterization of Nanofiltration Membranes Synthesized by Hyperbranched Polyester and Terephthaloyl Chloride (TPC). 2012 , 20, 261-270		7
1137	Functional, hyperbranched polyesters via baylisfillman polymerization. 2012 , 50, 25-34		7
1136	Synthesis of fluorene-based hyperbranched polymers for solution-processable blue, green, red, and white light-emitting devices. 2012 , 50, 696-710		38
1135	Dendron-like poly(Ebenzyloxycarbonyl-L-lysine)/linear PEO block copolymers: Synthesis, physical characterization, self-assembly, and drug-release behavior. 2012 , 50, 1216-1225		20
1134	Charge selective encapsulation by polymeric micelles with cationic, anionic, or zwitterionic cores. 2012 , 50, 1342-1350		7
1133	Impact of chain architecture (branching) on the thermal and mechanical behavior of polystyrene thin films. 2012 , 50, 370-377		35
1132	One-pot synthesis of hyperbranched glycopolymers by RAFT polymerization. 2012 , 50, 2378-2388		23
1131	Reaction kinetics of nonideal hyperbranched polymerizations: Influences of chain rigidity and reaction reversibility. 2012 , 50, 2705-2714		2
1130	Synthesis and properties of monocleavable amphiphilic comblike copolymers with alternating PEG and PCL grafts. 2012 , 50, 3135-3148		40
1129	Controlling the formation of long-subchain hyperbranched polystyrene from seesaw-type AB2 macromonomers: Solvent polarity and solubility. 2012 , 50, 3214-3224		20
1128	Synthesis of long-subchain hyperbranched PCL through SCV-ATRP of macroinimers with (meth)acrlate group. 2012 , 50, 3475-3480		5
1127	Synthesis and properties of hyperbranched poly(ether sulfone)s prepared by self-polycondensation of novel AB2 monomer. 2012 , 50, 3830-3839		7
1126	A styryl tipno-based nitroxide as efficient mediator for the synthesis of multiblock polystyrenes and well-grafted polymers. 2012 , 50, 4073-4084		3
1125	Tailoring polymer architectures with macromonomer azoinitiators. <i>Polymer Chemistry</i> , 2012 , 3, 1107	4.9	38
1124	Radical Polymerization in the Presence of Chain Transfer Monomer: An Approach to Branched Vinyl Polymers. <i>Macromolecules</i> , 2012 , 45, 4092-4100	5.5	42

1123	Facile Synthesis of Stable and Water-Dispersible Multihydroxy Conjugated Polymer Nanoparticles with Tunable Size by Dendritic Cross-Linking. 2012 , 1, 927-932		40	
1122	Linear-Hyperbranched Graft-Copolymers viaGrafting-toStrategy Based on Hyperbranched Dendron Analogues and Reactive Ester Polymers. <i>Macromolecules</i> , 2012 , 45, 5901-5910	5	34	
1121	The effect of a branched architecture on the antimicrobial activity of poly(sulfone amines) and poly(sulfone amine)/silver nanocomposites. 2012 , 22, 15227		22	
1120	Amphiphilic hyperbranched copolymers bearing a hyperbranched core and dendritic shell: synthesis, characterization and guest encapsulation performance. 2012 , 8, 8361		24	
1119	Bluish-violet light-emitting liquid crystalline hyperbranched polymers using three trisalcohol B3 monomers: Preparation, characterisation and structure property relationship. 2012 , 39, 1071-1081		10	
1118	Studies on synthesis and thermal characterisation of thermotropic liquid-crystalline poly(benzylidene-ether)s containing alkanones and methylene spacers in the main chain. 2012 , 39, 683-69	3	9	
1117	Hyperbranched Poly(propylene oxide): A Multifunctional Backbone-Thermoresponsive Polyether Polyol Copolymer. 2012 , 1, 888-891		51	
1116	Controlled Synthesis of Linear Polymers with Highly Branched Side Chains by "Hypergrafting": Poly(4-hydroxy styrene)hyperbranched Polyglycerol 2012 , 1, 461-464		35	
1115	Hyperbranched Polybenzobisthiazole with High Thermal Stability, Good Organosolubility, and Interesting Optical Performance. 2012 , 213, 738-746		12	
1114	Thermal and photochemical crosslinking of hyperbranched polyphenylene with organic azides. 2012 , 33, 635-9		17	
1113	Fully-branched hyperbranched polymers with a diselenide core as glutathione peroxidase mimics. 2012 , 33, 798-804		36	
1112	Multibrominated hyperbranched polymers: synthesis and further functionalizations by ARGET ATRP or click chemistry. 2012 , 33, 869-75		16	
1111	A fully substituted 3-silolene functions as promising building block for hyperbranched poly(silylenevinylene). 2012 , 33, 1074-9		20	
1110	Atom Transfer Radical Polymerization (ATRP): Current Status and Future Perspectives. Macromolecules, 2012 , 45, 4015-4039	5	1961	
1109	Solubility improvements in aromatic polyimides by macromolecular engineering. 2012 , 2, 5900		108	
1108	Hyperbranched polyols from hydroformylated methyl soyate. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 2920-2928	9	15	
1107	A Designed Surface Modification to Disperse Silica Powder into Polyurethane. <i>Journal of Applied Polymer Science</i> , 2012 , 126, E522-E529	9	5	
1106	Solution properties of biobased hyperbranched polyols investigated by multiple-detection size exclusion chromatography. <i>Journal of Applied Polymer Science</i> , 2012 , 125, E586-E594	9	6	

1105	New hyperbranched polytriazoles containing isolation chromophore moieties derived from AB4 monomers through click chemistry under copper(I) catalysis: improved optical transparency and enhanced NLO effects. 2012 , 18, 4426-34	59
1104	Synthesis of heterogeneous shape-controllable nano-hyperbranched polymer/Pt(0) catalyst with high catalytic activity in hydrosilylation. 2012 , 20, 549-551	7
1103	Toughening of brittle poly(lactide) with hyperbranched poly(ester-amide) and isocyanate-terminated prepolymer of polybutadiene. 2012 , 47, 5158-5168	21
1102	In situ synthesis of silver nanoparticles on silk fabric with PNP for antibacterial finishing. 2012 , 47, 5721-5728	55
1101	Cyclodextrin-based hyperbranched polymers by acyclic diene metathesis polymerization of an ABn monomer: molecule design, synthesis, and characterization. <i>Journal of Polymer Research</i> , 2012 , 19, 1	6
1100	Reversible photoswitching self-assembly of azobenzene-functionalized hyperbranched polyglycerol induced by host-guest chemistry. 2012 , 55, 604-611	6
1099	Dilute solution and rheological properties of hyperbranched polysaccharide from Pleurotus tuber-regium sclerotia. 2012 , 28, 151-158	16
1098	Grafting hyperbranched polyurethane onto silica nanoparticle via one-pot A2+CBnLcondensation approach to improve its dispersion in polyurethane. 2012 , 396, 35-40	6
1097	Novel hyperbranched polyamidoamine nanoparticle based gene delivery: transfection, cytotoxicity and in vitro evaluation. 2012 , 423, 378-83	12
1096	Synthesis and second-order nonlinear optical properties of a crosslinkable functionalized hyperbranched polymer. 2012 , 48, 116-126	16
1095	Nanostructured hyperbranched polyurethane elastomer hybrids that incorporate polyhedral oligosilsesquioxane. <i>Reactive and Functional Polymers</i> , 2012 , 72, 227-232	33
1094	Synthesis of a novel analytical reagent for the determination of active sites for conjugation on a catalytic aldolase monoclonal antibody. 2012 , 53, 1385-1389	2
1093	Synthesis of novel hyperbranched poly(ester-amide)s based on acidic and basic amino acids via AD + CBB?[Leouple-monomer approach. <i>Polymer</i> , 2012 , 53, 145-152	11
1092	Aliphatic tertiary amine mediated synthesis of highly branched polylactide copolymers. <i>Polymer</i> , 2012 , 53, 719-727	12
1091	One-pot synthesis of hyperbranched polymers using small molecule and macro RAFT inimers. <i>Polymer</i> , 2012 , 53, 1429-1436	25
1090	Synthesis of mechanically robust antimicrobial nanocomposites by click coupling of hyperbranched polyurethane and carbon nanotubes. <i>Polymer</i> , 2012 , 53, 2023-2031	59
1089	Synthesis of hyper-branched quaternary ammonium salt and its application into montmorillonite. 2012 , 221, 80-89	27
1088	Construction of functional aliphatic polycarbonates for biomedical applications. <i>Progress in Polymer Science</i> , 2012 , 37, 211-236	280

1087	Luminogenic polymers with aggregation-induced emission characteristics. <i>Progress in Polymer Science</i> , 2012 , 37, 182-209	29.6	363
1086	Applications of surface-grafted macromolecules derived from post-polymerization modification reactions. <i>Progress in Polymer Science</i> , 2012 , 37, 871-906	29.6	115
1085	Thermotropic Mesomorphism via Self-Assembly of Cationic Dendritic Polymers with an Anionic Polar Carboxylic Acid. 2012 , 213, 270-277		5
1084	Acyclic Triene Metathesis Polymerization of Plukenetia Conophora Oil: Branched Polymers by Direct Polymerization of Renewable Resources. 2012 , 213, 87-96		18
1083	Synthesis of hyperbranched polyethylene amphiphiles by chain walking polymerization in tandem with RAFT polymerization and supramolecular self-assembly vesicles. 2012 , 33, 374-9		55
1082	Synthesis and photoinitiating activity study of polymeric photoinitiators bearing BP moiety based on hyperbranched poly(ester-amine) via thiol-ene click reaction. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 1494-1501	2.9	13
1081	Synthesis of a branched poly(phenylene ethylene) with bromomethyl groups as an organosoluble and functional parylene. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 2775-2780	2.9	1
1080	Multifunctional finishing of cotton fabric based on in situ fabrication of polymer-hybrid nanoparticles. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 3778-3784	2.9	17
1079	Synthesis and applications of quaternized highly branched polyacrylamide as a novel multi-site polymeric phase transfer catalyst. 2013 , 10, 791-797		3
1078	Hyperbranched polyglycerol hydrogels prepared through biomimetic mineralization. 2013, 103, 31-7		9
1077	Fractal Multiscale Nanoporous Polyurethanes: Flexible to Extremely Rigid Aerogels from Multifunctional Small Molecules. 2013 , 25, 3205-3224		86
1076	Enhancement of the impact strength of cationically cured cycloaliphatic diepoxide by adding hyperbranched poly(glycidol) partially modified with 10-undecenoyl chains. 2013 , 49, 1610-1620		12
1075	Chemistry for Sustainable Development in Africa. 2013,		1
1074	Hybrid CoreBhell Microspheres from Coassembly of Anthracene-Containing POSS (POSS-AN) and Anthracene-Ended Hyperbranched Poly(ether amine) (hPEA-AN) and Their Responsive Polymeric Hollow Microspheres. <i>Macromolecules</i> , 2013 , 46, 3519-3528	5.5	25
1073	Synthesis of melamine based polymer complexes and their thermal degradations and magnetic properties. 2013 , 76, 223-230		6
1072	Development of moisture cure polyurethanelirea coatings using 1,2,3-triazole core hyperbranched polyesters. 2013 , 10, 609-619		33
1071	Hyperbranched Polymers by Visible Light Induced Self-Condensing Vinyl Polymerization and Their Modifications. <i>Macromolecules</i> , 2013 , 46, 6751-6757	5.5	62
1070	Probing Dense Packed Limits of a Hyperbranched Polymer through Ligand Binding and Size Selective Catalysis. <i>Macromolecules</i> , 2013 , 46, 7055-7074	5.5	10

1069	Nanosilver/hyperbranched polyester (HBPE): synthesis, characterization, and antibacterial activity. 2013 , 10, 669-678		5
1068	Synthesis of novel hyperbranched polymers featuring oxazoline linear units and their application in fast-drying solvent-borne coating formulations. 2013 , 51, 3964-3974		5
1067	Scope of controlled synthesis via chain-growth condensation polymerization: from aromatic polyamides to Econjugated polymers. 2013 , 49, 8281-310		60
1066	Metal-polymer complexes of cobalt(II) and Copper(II) with hyperbranched polyester polycarboxylic acids. 2013 , 55, 201-212		12
1065	One-pot synthesis of branched alternating copolymers P(St-alt-MAn) via free radical polymerization in the presence of chain transfer monomer. 2013 , 70, 1795-1803		6
1064	Thiol-yne click polymerization. 2013 , 58, 2711-2718		63
1063	A Pd-diimine catalytic inimer for synthesis of polyethylenes of hyperbranched-on-hyperbranched and star architectures. 2013 , 49, 8800-2		23
1062	Synthesis of hyperbranched polypeptide and PEO block copolymer by consecutive thiol-yne chemistry. 2013 , 14, 3329-37		39
1061	Synthesis and Properties of Multicleavable Amphiphilic Dendritic Comblike and Toothbrushlike Copolymers Comprising Alternating PEG and PCL Grafts. <i>Macromolecules</i> , 2013 , 46, 1325-1336	5.5	47
1060	Hyperbranched Polyimide-Silica Hybrid Materials: Synthesis, Structure, Dynamics, and Gas Transport Properties. 2013 , 52, 632-649		4
1059	One-pot synthesis of poly(l-lactide) multi-arm star copolymers based on a polyester polyol macroinitiator. <i>Polymer</i> , 2013 , 54, 1993-2000	3.9	11
1058	A novel fluoro-terminated hyperbranched poly(phenylene oxide) (FHPPO): synthesis, characterization, and application in low-k epoxy materials. 2013 , 3, 14509		24
1057	Grafting of hyperbranched polymers: From unusual complex polymer topologies to multivalent surface functionalization. <i>Polymer</i> , 2013 , 54, 5443-5455	3.9	68
1056	A hyperbranched conjugated polymer as the cathode interlayer for high-performance polymer solar cells. 2013 , 25, 6889-94		95
1055	Synthesis of amino-terminated hyperbranched polymers and their application in microfiber synthetic leather base dyeing. 2013 , 83, 381-395		15
1054	Polycyclotrimerization of Dinitriles: A New Polymerization Route for the Construction of Soluble Nitrogen-Rich Polytriazines with Hyperbranched Structures and Functional Properties. <i>Macromolecules</i> , 2013 , 46, 9494-9506	5.5	35
1053	Macromolecular self-assembly and nanotechnology in China. 2013 , 371, 20120305		8
1052	Synthesis and properties of new water-soluble aliphatic hyperbranched poly(amido acids) with high pH-dependent photoluminescence. <i>Polymer</i> , 2013 , 54, 623-630	3.9	39

1051	Hyperbranched conjugated polyelectrolytes for biological sensing and imaging. 2013 , 34, 705-15		28
1050	Polymerization behaviors and polymer branching structures in ATRP of monovinyl and divinyl monomers. <i>Polymer Chemistry</i> , 2013 , 4, 3204	4.9	24
1049	A functional conjugated hyperbranched polymer derived from tetraphenylethene and oxadiazole moieties: Synthesis by one-pot 日4+b2+c2lpolymerization and applicaion as explosive chemosensor and pled. 2013 , 31, 1432-1442		19
1048	Second-order nonlinear optical hyperbranched polymer containing isolation chromophore moieties derived from both Httppe and star-type chromophores. 2013 , 31, 1415-1423		15
1047	Intramolecular mobility of side chains of poly(methacrylic acid) in regularly grafted copolyimides in solution. 2013 , 55, 526-534		11
1046	Application of ZnO nanoparticles to enhance the antimicrobial activity and ultraviolet protective property of bamboo pulp fabric. 2013 , 20, 1877-1884		54
1045	Polydispersity and Molecular Weight Distribution of Hyperbranched Graft Copolymers via Bypergraftinglof ABm Monomers from Polydisperse Macroinitiator Cores: Theory Meets Synthesis. <i>Macromolecules</i> , 2013 , 46, 5823-5830	5.5	26
1044	Synthesis and characterization of new poly(ethyleneimine)-g-poly(methyl methacrylate) star-block copolymers with hyperbranched cationic core. 2013 , 51, 3700-3715		1
1043	4-Dimethylaminopyridine promoted interfacial polymerization between hyperbranched polyesteramide and trimesoyl chloride for preparing ultralow-pressure reverse osmosis composite membrane. 2013 , 5, 6649-56		57
1042	One-step synthesis of multi-alkyne functional hyperbranched polyglycerols by copolymerization of glycidyl propargyl ether and glycidol. <i>Polymer Chemistry</i> , 2013 , 4, 4730	4.9	23
1041	Bioorthogonal layer-by-layer encapsulation of pancreatic islets via hyperbranched polymers. 2013 , 5, 9964-74		56
1040	Highly-branched poly(N-isopropylacrylamide) as a component in poly(dopamine) films. 2013 , 117, 1050-	4-12	33
1039	One-step synthesis of hyperbranched biodegradable polymer. 2013 , 3, 6853		30
1038	Kinetic topology-selective encapsulation and mixture separation by a nanocapsule with hyperbranched polyethylenimine as core and polystyrene as shell. 2013 , 51, 1273-1281		3
1037	A neutral supramolecular hyperbranched polymer fabricated from an AB2 -type copillar[5]arene. 2013 , 34, 1856-62		69
1036	Nucleophilic thiol-Michael chemistry and hyperbranched (co)polymers: synthesis and ring-opening metathesis (co)polymerization of novel difunctional exo-7-oxanorbornenes with in situ inimer formation. <i>Polymer Chemistry</i> , 2013 , 4, 3300	4.9	23
1035	Self-healing hyperbranched poly(aroyltriazole)s. 2013 , 3,		55
1034	Facile synthesis of soluble nonlinear polymers with glycogen-like structures and functional properties from Elimple Carrylic monomers. <i>Polymer Chemistry</i> , 2013 , 4, 95-105	4.9	41

1033	Multifunctional poly(amine-ester)-type hyperbranched polymers: lipase-catalyzed green synthesis, characterization, biocompatibility, drug loading and anticancer activity. <i>Polymer Chemistry</i> , 2013 , 4, 348	o ^{4.9}	22
1032	Synthesis and NMR Characterization of Hyperbranched Polyesters from Trimethylolpropane and Adipic Acid. 2013 , 281-290		3
1031	Novel Polyurea Microcapsules Using Dendritic Functional Monomer: Synthesis, Characterization, and Its Use in Self-healing and Anticorrosive Polyurethane Coatings. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 1562-1570	3.9	116
1030	Fully supramolecular vesicles as anticancer drug delivery systems. 2013 , 37, 295-298		20
1029	Highly branched polyurethane: Synthesis, characterization and effects of branching on dispersion of carbon nanotubes. 2013 , 45, 165-171		25
1028	Amphiphilic Unimolecular Nanoparticles Based on a Hyperbranched Polyacrylate Core and a PNIPAm Shell: Synthesis via ATRP and Properties. 2013 , 214, 882-891		14
1027	High-density and hetero-functional group engineering of segmented hyperbranched polymers via click chemistry. <i>Polymer Chemistry</i> , 2013 , 4, 1774-1787	4.9	78
1026	Dendritic Block and Dendritic Brush Copolymers through Anionic Macroinimer Approach. <i>Macromolecules</i> , 2013 , 46, 1437-1446	5.5	20
1025	Synthesis of hyperbranched polymers with controlled structure. <i>Polymer Chemistry</i> , 2013 , 4, 1746-1759	4.9	70
1024	Polymerization-induced phase separation and resulting thermomechanical properties of thermosetting/reactive nonlinear polymer blends: A review. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3279-3292	2.9	36
1023	Synthesis and properties of peptide dendrimers containing fluorescent and branched amino acids. 2013 , 100, 64-70		6
1022	Hyperbranched aliphatic polyether polyols. 2013 , 51, 995-1019		50
1021	Influence of aliphatic acids on the phase transition of thermoresponsive hyperbranched polymer. <i>Polymer</i> , 2013 , 54, 2341-2346	3.9	18
1020	Amphiphilic hyperbranched polymers from the copolymerization of a vinyl and divinyl monomer: The potential of catalytic chain transfer polymerization. 2013 , 49, 2528-2544		41
1019	Transplantation of novel vascular endothelial growth factor gene delivery system manipulated skeletal myoblasts promote myocardial repair. 2013 , 168, 2622-31		10
1018	Synthesis and thermally-triggered self-assembly behaviors of a dumbbell-shaped polymer carrying Eyclodextrin at branch points. <i>Polymer</i> , 2013 , 54, 3566-3573	3.9	16
1017	Nonlinear optical hyperbranched polyaspartimide/montmorillonite nanocomposites based on reactive fluorine- or phosphorous-containing organoclays. <i>Polymer</i> , 2013 , 54, 3850-3859	3.9	7
1016	Steady rheological behaviors of UV-curable waterborne hyperbranched polyurethane acrylate dispersions. 2013 , 10, 57-64		11

1015	Lineardendritic biodegradable block copolymers: from synthesis to application in bionanotechnology. <i>Polymer Chemistry</i> , 2013 , 4, 46-52	4.9	45
1014	Dendritic Polymers. 2013 , 559-584		
1013	A series of AB2-type second-order nonlinear optical (NLO) polyaryleneethynylenes: using different end-capped spacers with adjustable bulk to achieve high NLO coefficients. <i>Polymer Chemistry</i> , 2013 , 4, 2361	4.9	24
1012	Hyperbranched poly(citric acid) and its application as anticancer drug delivery system. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3665-3671	2.9	25
1011	Dissipative particle dynamics simulation study on the mechanisms of self-assembly of large multimolecular micelles from amphiphilic dendritic multiarm copolymers. 2013 , 9, 3293		68
1010	Amphiphilic azo polymers: Molecular engineering, self-assembly and photoresponsive properties. <i>Progress in Polymer Science</i> , 2013 , 38, 271-301	29.6	180
1009	Nanoscale materials and their use in water contaminants removal-a review. 2013 , 20, 1239-60		168
1008	A supramolecular Janus hyperbranched polymer and its photoresponsive self-assembly of vesicles with narrow size distribution. 2013 , 135, 4765-70		299
1007	Fast bulk click polymerization approach to linear and hyperbranched alternating multiblock copolymers. <i>Polymer Chemistry</i> , 2013 , 4, 542-549	4.9	41
1006	Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. <i>Polymer Chemistry</i> , 2013 , 4, 3105	4.9	85
1005	Synthesis and characterization of a luminescence metallosupramolecular hyperbranched polymer. 2013 , 49, 3333-5		26
1004	Synthesis of complex polymeric architectures using multilithiated carbanionic initiators comparison with other approaches. <i>Progress in Polymer Science</i> , 2013 , 38, 30-62	29.6	11
1003	RAFT polymerization of a novel allene-derived asymmetrical divinyl monomer: A facile strategy to alkene-functionalized hyperbranched vinyl polymers with high degrees of branching. 2013 , 51, 2959-29	69	16
1002	A water-soluble conjugated polymer brush with multihydroxy dendritic side chains. <i>Polymer Chemistry</i> , 2013 , 4, 5243	4.9	24
1001	Selenium-containing polymers: promising biomaterials for controlled release and enzyme mimics. 2013 , 46, 1647-58		410
1000	A Facile Route to Functional Hyperbranched Polymers by Combining Reversible Addition-Fragmentation Chain Transfer Polymerization, Thiol-Yne Chemistry, and Postpolymerization Modification Strategies 2013 , 2, 366-370		39
999	Synthesis of ZnO nanoparticles in aqueous solution by hyperbranched polymer. 2013 , 102-103, 98-101		11
998	Combining Ring-Opening Multibranching and RAFT Polymerization: Multifunctional Linear Hyperbranched Block Copolymers via Hyperbranched Macro-Chain-Transfer Agents. <i>Macromolecules</i> , 2013 , 46, 2892-2904	5.5	26

997	Thiophene based hyperbranched polymers with tunable branching using direct arylation methods. <i>Polymer Chemistry</i> , 2013 , 4, 3499	4.9	74
996	Supramolecular amphiphilic multiarm hyperbranched copolymer: synthesis, self-assembly and drug delivery applications. <i>Polymer Chemistry</i> , 2013 , 4, 85-94	4.9	68
995	Studying the thermodynamic parameters of disperse dyeing of modified polyethylene terephthalate sheets using hyperbranched polymeric additive as a nanomaterial. 2013 , 19, 1956-1962		11
994	Dendritic architectures based on bis-MPA: functional polymeric scaffolds for application-driven research. 2013 , 42, 5858-79		117
993	Facile and efficient synthesis of hyperbranched polyesters based on renewable castor oil. 2013 , 62, 145	57-146	4 19
992	Hyperbranched polyester hydrogels with controlled drug release and cell adhesion properties. 2013 , 14, 1299-310		100
991	Exploiting the physicochemical properties of dendritic polymers for environmental and biological applications. 2013 , 15, 4477-90		27
990	Effect of organic modification on structure and properties of room-temperature vulcanized silicone rubber/montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 1852-1860	2.9	16
989	A branching point thermo and pH dual-responsive hyperbranched polymer based on poly(N-vinylcaprolactam) and poly(N,N-diethyl aminoethyl methacrylate). <i>Polymer Chemistry</i> , 2013 , 4, 2850	4.9	24
988	Synthesis of hyperbranched polythiophene with a controlled degree of branching via catalyst-transfer SuzukiMiyaura coupling reaction. <i>Polymer Chemistry</i> , 2013 , 4, 1208-1215	4.9	15
987	Synthesis and properties of hyperbranched polyimides derived from novel triamine with prolonged chain segments. 2013 , 51, 2425-2437		25
986	Polymer Grafting: A Versatile Means to Modify the Polysaccharides. 2013 , 1-14		5
985	Efficient thermal properties enhancement to hyperbranched aromatic polyamide grafted aluminum nitride in epoxy composites. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 348-356	3.2	29
984	Tunable Encapsulation Property of Amphiphilic Polymer Based on Hyperbranched Polyethylenimine. 2013 , 225-253		1
983	Synthesis, characterization, biodegradability and surfactant properties of bio-sourced lauroyl poly(glycerol-succinate) oligoesters. 2013 , 419, 263-273		22
982	Controlled multi-vinyl monomer homopolymerization through vinyl oligomer combination as a universal approach to hyperbranched architectures. 2013 , 4, 1873		79
981	Preparation of water-soluble hyperbranched polyester nanoparticles with sulfonic acid functional groups and their micelles behavior, anticoagulant effect and cytotoxicity. <i>Langmuir</i> , 2013 , 29, 8402-9	4	40
980	An epoxy-ended hyperbranched polymer as a new modifier for toughening and reinforcing in epoxy resin. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 1064-1073	2.9	74

979	Hyperbranched polyglycerols at the biointerface. 2013 , 88, 213-236		23
978	StructureBroperty relationships of hyperbranched polyimideBilica hybrid membranes with different degrees of modification. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 54-62	2.9	8
977	Synthesis and Characterization of an Amine-Terminated AB2-Type Hyperbranched Polymer and Its Application in Dyeing of Poly(ethylene terephthalate) Fabric with Acid Dye. 2013 , 32, n/a-n/a		4
976	Dendritic molecular brushes: synthesis via sequential RAFT polymerization and cage effect for fluorophores. <i>Polymer Chemistry</i> , 2013 , 4, 4450	4.9	32
975	Synthesis of amphiphilic copolymers with a dendritic polyethylene core and poly(ethylene oxide) arms and their self-assembled nanostructures. <i>Polymer Chemistry</i> , 2013 , 4, 1107-1114	4.9	24
974	Carbon black functionalized with hyperbranched polymers: synthesis, characterization, and application in reversible CO2 capture. 2013 , 1, 6810		41
973	Antibacterial cotton fabric grafted with silver nanoparticles and its excellent laundering durability. 2013 , 92, 2088-94		95
972	Novel toughened automotive clearcoats modified by a polyester-amide hyperbranched polymer: structural and mechanical aspects. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 495-502	3.2	9
971	Bimolecular catalysis and turnover from a macromolecular host system. 2013 , 78, 5364-71		4
970	Mathematical Modeling of Arborescent Polyisobutylene Production in Batch Reactors. 2013 , 22, 155-17	73	15
970 969	Mathematical Modeling of Arborescent Polyisobutylene Production in Batch Reactors. 2013 , 22, 155-17. Hyperbranched Poly(aroxycarbonyltriazole)s: Metal-Free Click Polymerization, Light Refraction, Aggregation-Induced Emission, Explosive Detection, and Fluorescent Patterning. <i>Macromolecules</i> , 2013 , 46, 3907-3914	73 5·5	15 99
· ·	Hyperbranched Poly(aroxycarbonyltriazole)s: Metal-Free Click Polymerization, Light Refraction, Aggregation-Induced Emission, Explosive Detection, and Fluorescent Patterning. <i>Macromolecules</i> ,	5.5	99
969	Hyperbranched Poly(aroxycarbonyltriazole)s: Metal-Free Click Polymerization, Light Refraction, Aggregation-Induced Emission, Explosive Detection, and Fluorescent Patterning. <i>Macromolecules</i> , 2013 , 46, 3907-3914	5.5	99
969 968	Hyperbranched Poly(aroxycarbonyltriazole)s: Metal-Free Click Polymerization, Light Refraction, Aggregation-Induced Emission, Explosive Detection, and Fluorescent Patterning. <i>Macromolecules</i> , 2013 , 46, 3907-3914 Synthesis of well-defined, amphiphilic poly(ethylene glycol)-b-hyperbranched polyamide. 2013 , 51, 376 Designing polyethylenes of complex chain architectures via Pd-diimine-catalyzed "living" ethylene	5.5	99
969 968 967	Hyperbranched Poly(aroxycarbonyltriazole)s: Metal-Free Click Polymerization, Light Refraction, Aggregation-Induced Emission, Explosive Detection, and Fluorescent Patterning. <i>Macromolecules</i> , 2013 , 46, 3907-3914 Synthesis of well-defined, amphiphilic poly(ethylene glycol)-b-hyperbranched polyamide. 2013 , 51, 376 Designing polyethylenes of complex chain architectures via Pd-diimine-catalyzed "living" ethylene polymerization. 2013 , 49, 6235-55 Synthesis and characterisation of hybrid materials based on gold nanoparticles and HBP	5.5	99 5 6 109
969 968 967 966	Hyperbranched Poly(aroxycarbonyltriazole)s: Metal-Free Click Polymerization, Light Refraction, Aggregation-Induced Emission, Explosive Detection, and Fluorescent Patterning. <i>Macromolecules</i> , 2013 , 46, 3907-3914 Synthesis of well-defined, amphiphilic poly(ethylene glycol)-b-hyperbranched polyamide. 2013 , 51, 376 Designing polyethylenes of complex chain architectures via Pd-diimine-catalyzed "living" ethylene polymerization. 2013 , 49, 6235-55 Synthesis and characterisation of hybrid materials based on gold nanoparticles and HBP hyperbranched polyesters: Preparation of "volcano-rings" nanostructures. 2013 , 417, 170-178 Supramolecular Linear-g-Hyperbranched Graft Polymers: Topology and Binding Strength of	5·5 2-3766	99 5 6 109
969968967966965	Hyperbranched Poly(aroxycarbonyltriazole)s: Metal-Free Click Polymerization, Light Refraction, Aggregation-Induced Emission, Explosive Detection, and Fluorescent Patterning. <i>Macromolecules</i> , 2013 , 46, 3907-3914 Synthesis of well-defined, amphiphilic poly(ethylene glycol)-b-hyperbranched polyamide. 2013 , 51, 376 Designing polyethylenes of complex chain architectures via Pd-diimine-catalyzed "living" ethylene polymerization. 2013 , 49, 6235-55 Synthesis and characterisation of hybrid materials based on gold nanoparticles and HBP hyperbranched polyesters: Preparation of ''volcano-rings" nanostructures. 2013 , 417, 170-178 Supramolecular Linear-g-Hyperbranched Graft Polymers: Topology and Binding Strength of Hyperbranched Side Chains. <i>Macromolecules</i> , 2013 , 46, 9544-9553	5·5 2-3766	99 5 6 109

961	Investigation of specific AB2 type hyperbranched polyesterification reaction with Monte Carlo simulation. 2013 , 31, 371-376		2
960	A synthetic approach for water soluble hyperbranched poly(N,N-ethylidenebis(N-2-chloroacetyl acrylamide)) with high degree of branching via atom transfer radical polymerization/self-condensing vinyl polymerization. 2013 , 31, 1038-1045		8
959	Self-assembly of amphiphilic homopolymers bearing ferrocene and carboxyl functionalities: effect of polymer concentration, Ecyclodextrin, and length of alkyl linker. <i>Langmuir</i> , 2013 , 29, 10922-31	4	50
958	NMR Study of Thermoresponsive Hyperbranched Polymer in Aqueous Solution with Implication on the Phase Transition. <i>Macromolecules</i> , 2013 , 46, 9688-9697	5.5	16
957	Synthesis and Surface Properties of Fluorinated Hyperbranched Polyglycidol. 2013, 34, 842-846		2
956	Flame Retardancy and Mechanism of Bismaleimide Resins Based on a Unique Inorganic Drganic Hybridized Intumescent Flame Retardant. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15075-15087	3.9	33
955	Synthesis, Characterization, and Solubility in Supercritical Carbon Dioxide of Hyperbranched Copolyesters. <i>Macromolecules</i> , 2013 , 46, 7180-7195	5.5	12
954	Thermomechanical and chemorheology properties of a thermosetting acrylic/melamine clearcoat modified with a hyperbranched polymer. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 1929-1938	2.9	10
953	Fabrication of ZnO Nanoparticles by Hyperbranched Polymer and their Application on the Functional Finishing of Cotton Fabric. 2013 , 796, 353-359		1
952	Recent Progress in the Development of New Acetylenic Polymers. 2013 , 214, 175-187		55
951	Conductive performances of elastomeric electrolytes based on maleic anhydride-g-poly(1, 2-butadiene) grafting polyethylene glycol 400 and LiClO4. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 2408-2413	2.9	1
950	Progress on multi-compartment polymeric capsules. <i>Polymer Chemistry</i> , 2013 , 4, 435-443	4.9	83
949	Synthesis and Gas Transport Properties of Hyperbranched PolyimideBilica Hybrid/Composite Membranes. <i>Polymers</i> , 2013 , 5, 1362-1379	4.5	14
948	Study on Properties of Branched Hydrophobically Modified Polyacrylamide for Polymer Flooding. 2013 , 2013, 1-5		3
947	Preparation of Carbon Nanotubes Doped TiO2/Glass Fiber Reinforced Plastics Hybrid Materials. 2013 , 785-786, 220-223		
946	Hyperbranched Polysiloxane Functionalized Graphene Oxide via Polyhydrosilylation. 2013 , 464, 3-8		
945	Simultaneous effects of coupling agent and flame retardant on empty fruit bunch fiber/polypropylene composites. 2013 , 32, 1268-1284		9
944	Synthesis and Properties of Hyperbranched Dispersant for High Concentration of CWS. 2013 , 805-806, 1439-1442		

943	A Heat Sensitive Color-Developing Nanocapsule as Leucocompound Delivery Carrier. 2013, 643, 166-169	
942	Synthesis of UV-Curable PDMS-Modified Urethane Acrylate Oligomer and Physical Properties of the Cured Film. 2013 , 48, 249-255	
941	Encyclopedia of Polymeric Nanomaterials. 2013 , 1-11	
940	Modification of PET fabrics by hyperbranched polymer: a comparative study of artificial neural networks (ANN) and statistical approach. 2013 , 33, 445-452	2
939	Mechanical Properties of Poly(3-hydrobutyrate-co-hydroxyvalerate)/Biodegradable Hyperbranched Poly(ester amide) Blends. 2013 , 745-746, 436-441	
938	Solvent replacement to thermo-responsive nanoparticles from long-subchain hyperbranched PSt grafted with PNIPAM for encapsulation. 2013 , 51, 2142-2149	9
937	On the Formation and Electropolymerization of a Star Copolymer With Peripheral Carbazoles. 2013 , 214, 386-395	7
936	Synthesis and Characterization of Titania Nanoparticles Functionalized With Hyperbranched Polymer Via Self-Condensing Vinyl Polymerization. 2013 , 43, 1034-1039	5
935	Sugar overcomes oxygen inhibition in photoinitiated free radical polymerization. 2013, 51, 1685-1689	74
934	Cooperative Entrapment of Xanthene Dyes by a Core-Engineered Unimolecular Micelle. 2013 , 214, 1817-182	.8 ₇
934	Cooperative Entrapment of Xanthene Dyes by a Core-Engineered Unimolecular Micelle. 2013 , 214, 1817-182 Study of the controlled chain-growth polymerization of poly(3,6-phenanthrene). 2013 , 51, 5067-5074	27
		,
933	Study of the controlled chain-growth polymerization of poly(3,6-phenanthrene). 2013 , 51, 5067-5074 pH-Controlled reversible formation of a supramolecular hyperbranched polymer showing	27
933 932	Study of the controlled chain-growth polymerization of poly(3,6-phenanthrene). 2013 , 51, 5067-5074 pH-Controlled reversible formation of a supramolecular hyperbranched polymer showing fluorescence switching. 2013 , 19, 4922-30	27 26
933 932 931	Study of the controlled chain-growth polymerization of poly(3,6-phenanthrene). 2013, 51, 5067-5074 pH-Controlled reversible formation of a supramolecular hyperbranched polymer showing fluorescence switching. 2013, 19, 4922-30 Synthesis of EB-curable hyperbranched urethane acrylate from palm oil oleic acid. 2013, 4, 65	27 26
933 932 931 930	Study of the controlled chain-growth polymerization of poly(3,6-phenanthrene). 2013, 51, 5067-5074 pH-Controlled reversible formation of a supramolecular hyperbranched polymer showing fluorescence switching. 2013, 19, 4922-30 Synthesis of EB-curable hyperbranched urethane acrylate from palm oil oleic acid. 2013, 4, 65 Artificial Neural Network (ANN) Models and Polymers. 2013, 1-7 Hyperbranched polyphosphoesters with reactive end groups synthesized via acyclic diene	27 26 1
933 932 931 930 929	Study of the controlled chain-growth polymerization of poly(3,6-phenanthrene). 2013, 51, 5067-5074 pH-Controlled reversible formation of a supramolecular hyperbranched polymer showing fluorescence switching. 2013, 19, 4922-30 Synthesis of EB-curable hyperbranched urethane acrylate from palm oil oleic acid. 2013, 4, 65 Artificial Neural Network (ANN) Models and Polymers. 2013, 1-7 Hyperbranched polyphosphoesters with reactive end groups synthesized via acyclic diene metathesis polymerization and their transformation to crosslinked nanoparticles. 2013, 51, 4331-4340 Structure-gas Transport Property Relationship of Hyperbranched Polyimide-silica Hybrid	27 26 1

925	Effect of hyperbranched polyesters on HTPB polyurethane curing kinetic. 2014, 17, 78-82	2
924	. 2014,	8
923	. 2014,	5
922	High resolution soft mold for UV-curing nanoimprint lithography using an oxygen insensitive degradable material. 2014 , 32, 06FG07	4
921	Performance of novel hyperbranched poly(aryl-ether-urea)s doped with N3-dye in nanocrystalline DSSC. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	7
920	Synthesis of Aromatic Hyperbranched Polyester (HBPE) and its Use as a Nonmigrating Plasticiser. 2014 , 67, 22	9
919	Electronic properties of hyperbranched compounds derived by pyrrole. 2014 , 1074, 534-541	2
918	Synthesis backbone-dual-responsive of hyperbranched poly(bis(N,N-ethyl acrylamide))s by RAFT. 2014 , 22, 1196-1202	5
917	Highly efficient in situ toughening of epoxy thermosets with reactive hyperbranched polyurethane. Journal of Applied Polymer Science, 2014, 131, n/a-n/a	19
916	Fabrication and characterization of novel hyperbranched polyimides with excellent organosolubility, thermal and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2014 , 132, $n/a-n/a$	
915	Morphology Analysis by Microscopy Techniques and Light Scattering. 2014 , 147-178	
914	CHAPTER 13:Cationic Dendritic Systems as Non-viral Vehicles for Gene Delivery Applications. 2014 , 321-355	1
913	Segmented polymer nanowires and nanorods by one-step template wetting with a hyperbranched polymer and linear polymer blend. 2014 , 4, 53021-53027	4
912	Study for Soluble and Low-Refractive Index Hyperbranched Polymer Consisting of Fluoroadamantane. 2014 , 601, 116-125	1
911	Study of the Preparation and Properties of Carbon Nano-Tubes Doped TiO2/Glass Fiber Reinforced Plastics. 2014 , 1015, 86-88	1
910	Hyperbranched polysiloxane functionalized graphene oxide for dicyclopentadiene bisphenol dicyanate ester nanocomposites with high performance. 2014 , 8, 413-424	17
909	A Facile Nanodelivery Platform Based on Functionalized Hyperbranched Poly(ether-ester) for Individualized Antitumor Drugs: Pingyangmycin as a Model. 2014 , 2014, 1-10	
908	Synthesis, Dye Encapsulation, and Highly Efficient Colouring Application of Amphiphilic Hyperbranched Polymers. 2014 , 67, 103	12

(2014-2014)

907	polymers with high molecular weight and relatively narrow polydispersity. <i>Polymer Chemistry</i> , 2014 , 4.9 4.9	20
906	Ultrafast preparation of branched poly(methyl Acrylate) through single electron transfer living radical polymerization at room temperature. 2014 , 54, 1579-1584	5
905	Employing exchange reactions involving hypervalent iodine compounds for the direct synthesis of azide-containing linear and branched polymers. 2014 , 5, 4599-4609	33
904	Adhesive Catalyst Immobilization of Palladium Nanoparticles on Cotton and Filter Paper: Applications to Reusable Catalysts for Sequential Catalytic Reactions. 2014 , 356, 951-960	20
903	Synthesis of Photoactuating Acrylic Thermoplastic Elastomers Containing Diblock Copolymer-Grafted Carbon Nanotubes. 2014 , 3, 999-1003	33
902	Graphene/Hyperbranched Polymer Nanocomposites: Insight from Molecular Dynamics Simulations. <i>Macromolecules</i> , 2014 , 47, 8833-8845	26
901	Nanostructure Formation in Thermoset/Block Copolymer and Thermoset/Hyperbranched Polymer Blends. 2014 , 161-194	
900	Supramolecular Antioxidant Assemblies of Hyperbranched Polyglycerols and Phenols. 2014 , 215, 2311-2317	5
899	Synthesis and properties of long-chain branched poly(ether sulfone)s by self-polycondensation of AB2 type macromonomers. 2014 , 52, 1825-1831	17
898	Chemical Sciences: Contributions to Building a Sustainable Society and Sharing of International Responsibilities. 2014 , 101-139	
897	Synthesis and prospects of application of branched polyarylenes in electroluminescent devices. 2014 , 83, 1062-1089	1
896	Hyperbranched polyglycerols, obtained from environmentally benign monomer, as reactive clays inhibitors for water-based drilling fluids. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	22
895	Synthesis and characterization of C60-based composites of amphiphilic N-vinylpyrrolidone/triethylene glycol dimethacrylate copolymers. 2014 , 35, 1362-1371	8
894	Flexible Aerogels from Hyperbranched Polyurethanes: Probing the Role of Molecular Rigidity with Poly(Urethane Acrylates) Versus Poly(Urethane Norbornenes). 2014 , 26, 6979-6993	46
893	Aromatic Hyperbranched Polymers: Synthesis and Application. 2014 , 27-124	7
892	Dissipative particle dynamics simulation study on vesicles self-assembled from amphiphilic hyperbranched multiarm copolymers. 2014 , 9, 2281-8	20
891	Recent advances on crosslinked dendritic networks. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a9	10
890	One-pot synthesis of hyperbranched poly(aryl ether ketone)s for the modification of bismaleimide resins. 2014 , 54, 1675-1685	11

889	Preparation, Characterization of Styrene-Functional Hyperbranched Viologen, and Its Application in Optical Writing and Electrical Erasing Device. 2014 , 12, 149-158	4
888	Nanopatterning with tailored molecules. 2014,	2
887	Preparation and characterisation of branched poly (styrene-co-acrylonitrile) via atom transfer radical polymerisation using 即romoethyl benzene as initiator. 2014 , 18, 214-219	3
886	Smart Biomaterials. 2014 ,	48
885	Unique viscosity mutation of multi-generation hyperbranched waterborne polyurethane. 2014 , 34, 605-609	1
884	Synthesis of ZnO nanoparticles by PNP and its application on the functional finishing of cotton fabrics. 2014 , 15, 1842-1849	6
883	Novel Hyperbranched Molecules Containing Pyrrole Units from Diacetylene Compounds and their Electronic Properties. 2014 , 1613, 33-38	
882	Kinetic analysis of A2I-IABI-IB3 hyperbranched polymerization approach. <i>Polymer</i> , 2014 , 55, 2952-2958 3.9	5
881	Hyperbranched poly(cyanurateamine): A new corrosion inhibitor for mild steel in hydrochloric acid medium. <i>Progress in Organic Coatings</i> , 2014 , 77, 1253-1263	34
880	One-step synthesis of silver nanoparticles in an aqueous solution and their antibacterial activities. 2014 , 114, 1277-1283	5
879	Synthesis and optical properties of hyperbranched PAEKs containing porphyrin and its metal derivatives. 2014 , 32, 73-83	3
878	Photocatalytic activity of hyperbranched polyester/TiO2 nanocomposites. 2014 , 472, 191-197	25
877	Baylis Hillman Reaction as a Versatile Platform for the Synthesis of Diverse Functionalized Polymers by Chain and Step Polymerization. <i>Macromolecules</i> , 2014 , 47, 1258-1268	24
876	A new method for synthesizing hyperbranched polymers with reductive groups using redox/RAFT/SCVP. 2014 , 32, 385-394	7
875	Mechanical, thermal and dielectric properties of BDM/DBA/HBPSi composites. 2014, 71, 787-794	7
874	One-step self-assembly fabrication of amphiphilic hyperbranched polymer composite membrane from aqueous emulsion for dye desalination. 2014 , 452, 143-151	65
873	Fabricating covalently attached hyperbranched polymers by combining photochemistry with supramolecular polymerization. <i>Polymer Chemistry</i> , 2014 , 5, 1471-1476	62
872	Tailored and strong electro-responsive shape memory actuation in carbon nanotube-reinforced hyperbranched polyurethane composites. 2014 , 193, 384-390	42

871	The relationship between the degree of branching and glass transition temperature of branched polyethylene: experiment and simulation. <i>Polymer Chemistry</i> , 2014 , 5, 1305-1312	9	43
870	Synthesis and gas transport properties of novel poly(aryl ether ketone)s with branched structure. 2014 , 63, 718-721		3
869	Sulfonic acid functionalized hyperbranched poly(ether sulfone) as a solid acid catalyst. 2014 , 16, 3596-3602	2	27
868	Chemoenzymatic synthesis of polymeric materials using lipases as catalysts: a review. 2014 , 32, 642-51		42
867	A thiol-ene clickable hyperbranched polyester via a simple single-step melt trans-esterification process. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a)	6
866	Novel Biomaterials for Human Health: Hemocompatible Polymeric Micro-and Nanoparticles and Their Application in Biosensor. 2014 , 181-202		1
865	In vitro biocompatibility evaluations of hyperbranched polyglycerol hybrid nanostructure as a candidate for nanomedicine applications. 2014 , 25, 499-506		35
864	Strategies to reduce oxygen inhibition in photoinduced polymerization. 2014 , 114, 557-89		398
863	Synthesis and nonlinear optical properties of branched copolymers with covalently attached azochromophores. 2014 , 50, 158-167		16
862	Functional and biodegradable dendritic macromolecules with controlled architectures as nontoxic and efficient nanoscale gene vectors. 2014 , 32, 818-30		52
861	Chromatography- and Lyophilization-Free Synthesis of a Peptide-Linker Conjugate. 2014 , 18, 142-151		2
860	Loading of polymer nanocarriers: Factors, mechanisms and applications. <i>Progress in Polymer Science</i> , 29 , 43-86	.6	129
859	Fabrication of dendritic 0 G PAMAM-based novel polyurea microcapsules for encapsulation of herbicide and release rate from polymer shell in different environment. 2014 , 17, 111-125		26
858	Synthesis of new amphiphilic water-stable hyperbranched polycarbosilane polymers. 2014 , 63, 1311-1323		6
857	Betaine ester-shell functionalized hyperbranched polymers for potential antimicrobial usage: Guest loading capability, pH controlled release and adjustable compatibility. <i>Polymer</i> , 2014 , 55, 6261-6270)	3
856	Hybrid polyglycerols with long blood circulation: synthesis, biocompatibility, and biodistribution. 2014 , 14, 1469-82		11
855	Merely Ag nanoparticles using different cellulose fibers as removable reductant. 2014 , 21, 4219-4230		57
854	Hydroxyfunctional oxetane-inimers with varied polarity for the synthesis of hyperbranched polyether polyols via cationic ROP. 2014 , 52, 2850-2859		9

853	Smart hydrogel with shape memory for biomedical applications. 2014 , 45, 3134-3138		32
852	A coarse-grained molecular dynamics leactive Monte Carlo approach to simulate hyperbranched polycondensation. 2014 , 4, 56625-56636		8
851	Phase transition dynamics and mechanism for backbone-thermoresponsive hyperbranched polyethers. <i>Polymer Chemistry</i> , 2014 , 5, 4022	4.9	18
850	Effects of molecular geometry on the self-assembly of giant polymer-dendron conjugates in condensed state. 2014 , 10, 3200-8		11
849	A facile one pot strategy for the synthesis of well-defined polyacrylates from acrylic acid via RAFT polymerization. 2014 , 50, 3331-4		15
848	A Versatile Synthesis Platform To Prepare Uniform, Highly Functional Microgels via Click-Type Functionalization of Latex Particles. <i>Macromolecules</i> , 2014 , 47, 2257-2267	5.5	13
847	Hyperbranched unsaturated polyphosphates as a protective matrix for long-term photon upconversion in air. 2014 , 136, 11057-64		101
846	Toward pH-responsive coating materialshigh-throughput study of (meth)acrylic copolymers. 2014 , 16, 386-92		5
845	Hyperbranched poly(phosphoester)s as flame retardants for technical and high performance polymers. <i>Polymer Chemistry</i> , 2014 , 5, 7042-7053	4.9	68
844	Synthesis and characterization of glycerol-adipic acid hyperbranched polyesters. <i>Polymer</i> , 2014 , 55, 50	6535907	2 62
843	Chiroptical generation and amplification of hyperbranched Econjugated polymers in aggregation states driven by limonene chirality. <i>Polymer Chemistry</i> , 2014 , 5, 784-791	4.9	38
843 842		4.9	38
2	states driven by limonene chirality. <i>Polymer Chemistry</i> , 2014 , 5, 784-791 Indium-catalyzed polycyclotrimerization of diynes: a facile route to prepare regionegular		
842	Indium-catalyzed polycyclotrimerization of diynes: a facile route to prepare regioregular hyperbranched polyarylenes. <i>Polymer Chemistry</i> , 2014 , 5, 5890-5894 A biomimetic hyperbranched poly(amino ester)-based nanocomposite as a tunable bone adhesive		10
842	Indium-catalyzed polycyclotrimerization of diynes: a facile route to prepare regioregular hyperbranched polyarylenes. <i>Polymer Chemistry</i> , 2014 , 5, 5890-5894 A biomimetic hyperbranched poly(amino ester)-based nanocomposite as a tunable bone adhesive for sternal closure. 2014 , 2, 4067-4071 Hyperbranched polycaprolactone-click-poly(N-vinylcaprolactam) amphiphilic copolymers and their		10
842 841 840	Indium-catalyzed polycyclotrimerization of diynes: a facile route to prepare regioregular hyperbranched polyarylenes. <i>Polymer Chemistry</i> , 2014 , 5, 5890-5894 A biomimetic hyperbranched poly(amino ester)-based nanocomposite as a tunable bone adhesive for sternal closure. 2014 , 2, 4067-4071 Hyperbranched polycaprolactone-click-poly(N-vinylcaprolactam) amphiphilic copolymers and their applications as temperature-responsive membranes. 2014 , 2, 814-825 Thermally-labile segmented hyperbranched copolymers: using reversible-covalent chemistry to		10 56 29
842 841 840 839	Indium-catalyzed polycyclotrimerization of diynes: a facile route to prepare regioregular hyperbranched polyarylenes. <i>Polymer Chemistry</i> , 2014 , 5, 5890-5894 A biomimetic hyperbranched poly(amino ester)-based nanocomposite as a tunable bone adhesive for sternal closure. 2014 , 2, 4067-4071 Hyperbranched polycaprolactone-click-poly(N-vinylcaprolactam) amphiphilic copolymers and their applications as temperature-responsive membranes. 2014 , 2, 814-825 Thermally-labile segmented hyperbranched copolymers: using reversible-covalent chemistry to investigate the mechanism of self-condensing vinyl copolymerization. 2014 , 5, 4646-4655 Stability of star-shaped RAFT polystyrenes under mechanical and thermal stress. <i>Polymer Chemistry</i> ,	4.9	10 56 29 63

835	Studies on the synthesis and reaction of silicone oxirane dendrimer and their thermal and rheological properties. 2014 , 58, 115-124	7
834	Amphiphilic dendritic copolymers of tert-butyl-glycidylether and glycidol as a nanocontainer for an anticancer ruthenium complex. 2014 , 52, n/a-n/a	2
833	Porous polymers based on aryleneethynylene building blocks. 2014 , 35, 1466-96	53
832	GreenBilver Nanoparticle-Decorated Multiwalled Carbon Nanotube: A Precursor for Fabrication of Multifunctional Biobased Sustainable Nanocomposites. 2014 , 2, 2510-2518	11
831	Polyurethanes. 2014 , 253-295	12
830	One-pot synthesis of a novel s-triazine-based hyperbranched charring foaming agent and its enhancement on flame retardancy and water resistance of polypropylene. 2014 , 110, 165-174	49
829	Further improvement of the macroscopic NLO coefficient and optical transparency of hyperbranched polymers by enhancing the degree of branching. <i>Polymer Chemistry</i> , 2014 , 5, 5100	21
828	Hyperbranched poly(ether-siloxane) amphiphiles of surprisingly high solubility in supercritical carbon dioxide. 2014 , 95, 222-227	4
827	Association, emulsifying, and solubilization properties of amphiphilic hyperbranched poly(acrylic acid) with short polystyrene stickers. 2014 , 52, 128-138	4
826	Using low generation dendrimers as monomers to construct dendronized hyperbranched polymers with high nonlinear optical performance. 2014 , 2, 8122-8130	20
825	Dual-Reactive Hyperbranched Polymer Synthesis through Proton Transfer Polymerization of Thiol and Epoxide Groups. <i>Macromolecules</i> , 2014 , 47, 5070-5080	70
824	Dynamic Glass Transition and Electrical Conductivity Behavior Dominated by Proton Hopping Mechanism Studied in the Family of Hyperbranched Bis-MPA Polyesters. <i>Macromolecules</i> , 2014 , 47, 5798 ⁵ 5807	15
823	A reactive graphene sheet in situ functionalized hyperbranched polyurethane for high performance shape memory material. 2014 , 4, 15146-15153	23
822	Synthesis of Polystyrene-Based Hyperbranched Polymers by Thiol¶ne Chemistry: A Detailed Investigation. <i>Macromolecules</i> , 2014 , 47, 6697-6705	35
821	Monte Carlo Simulation Studies of the Size and Shape of Regular Three Generation Dendrimers. 2014 , 23, 288-299	4
820	Salt-free dyeing of ramie fabric with an amino-terminated hyperbranched polymer. 2014 , 21, 3725-3736	22
819	Effect of feed rate of monofunctional monomers on structure of hyperbranched copolymers formed by self-condensing vinyl copolymerization in semibatch reactor. 2014 , 60, 98-105	5
818	High-pressure phase behavior of boltorn hyperbranched polymers in supercritical fluids. 2014 , 382, 180-186	2

817	Terminal index: a new way for precise description of topologic structure of highly branched polymers derived from A2 + B3 stepwise polymerization. 2014 , 118, 3441-50		39
816	Structure related transport properties and cellular uptake of hyperbranched polyglycerol sulfates with hydrophobic cores. <i>Polymer Chemistry</i> , 2014 , 5, 5020-5028	4.9	15
815	A room temperature cured low dielectric hyperbranched epoxy adhesive with high mechanical strength. 2014 , 126, 587-595		8
814	Effects of hyperbranched and linear architecture on properties of polymers composed of poly(e-caprolactone) and hydroxycinnamic acid. 2014 , 56, 256-263		
813	Synthesis of new branched urethane-triazole polymers. 2014 , 56, 298-306		7
812	A versatile A2 + B3 approach to hyperbranched polyacenaphthenequinones. 2014 , 52, 2596-2603		4
811	Synthesis of a hyperbranched poly(phosphamide ester) oligomer and its high-effective flame retardancy and accelerated nucleation effect in polylactide composites. 2014 , 110, 104-112		40
810	One-pot self-coupling concurrent living polymerizations of inimers to synthesize hyperbranched-linking-hyperbranched polymer cylinders via cyclic trithiocarbonate. <i>Polymer Chemistry</i> , 2014 , 5, 1905-1911	4.9	6
809	Poly(phenylene ether)s. 2014 , 105-127		
808	Synthesis of High Generation Dendronized Polymers and Quantification of Their Structure Perfection. <i>Macromolecules</i> , 2014 , 47, 4127-4135	5.5	22
807	Mussel-inspired hyperbranched poly(amino ester) polymer as strong wet tissue adhesive. 2014 , 35, 71	1-9	169
806	One-Pot Synthesis and PEGylation of Hyperbranched Polyacetals with a Degree of Branching of 100%. <i>Macromolecules</i> , 2014 , 47, 1532-1542	5.5	32
805	Statistical mechanics approach to a general hyperbranched polymer system consisting of ABg monomers and Cf cores. <i>Polymer</i> , 2014 , 55, 686-697	3.9	5
804	Preparation and characterization of PSf hollow fiber membrane from PSf⊞BPE P EG400NMP dope solution. 2014 , 454, 184-192		20
803	Click Chemistry Engineered Hyperbranched Polyurethane Drea for Functional Coating Applications. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8357-8365	3.9	30
802	Organic Nanoparticle Bioconjugate: Micelles, Cross-Linked Micelles, and Nanogels. 2014 , 203-238		1
801	Facile size-regulated synthesis of silver nanoparticles using pectin. 2014 , 111, 971-8		69
800	Advanced Monte Carlo Model for Arborescent Polyisobutylene Production in Batch Reactor. 2014 , 23, 383-400		17

799	Dendritic Copolymers. 2014 , 165-214	1
79 ⁸	- Engineering Biomimetic Scaffolds. 2014 , 242-281	3
797	Mean trapping time for an arbitrary node on regular hyperbranched polymers. 2014 , 2014, P12018	10
796	Influence of solvent on branching via atom transfer radical polymerisation using 1,6-bismaleimidohexane as branching agent. 2014 , 18, 220-224	3
795	Morphological Properties of Hyperbranched Compound Containing Pyrrole Units. 2015 , 1767, 107-111	
794	Palmitoyl hyperbranched polyglycerol as a nanoscale initiator for endothermic hydrocarbon fuels. 2015 , 161, 295-303	22
793	Modular and Versatile Spatial Functionalization of Tissue Engineering Scaffolds through Fiber-Initiated Controlled Radical Polymerization. 2015 , 25, 5748-5757	34
79 ²	Polyhydroxyalkanoates: Composites. 2015 , 6364-6374	
791	Hyperbranched polyester poly(3-diethylamino)propionates and their copper(ii) complexes. 2015 , 64, 2667-2677	2
790	Synthesis of a A2B3-type Hyperbranched Copolymers Based on a 3-Armed Unimolecular 4-N-Methylbenzamide Pentamer and Poly(propylene oxide). 2015 , 44, 536-538	10
7 ⁸ 9	Inorganic/organic nanocomposites: Reaching a high filler content without increasing viscosity using core-shell structured nanoparticles. 2015 , 107, 211903	5
788	Synthesis of Linear-Hyperbranched Diblock Copolymers by Means of Well-Defined Hyperbranched Polyamide Macroinitiators. 2015 , 72, 324-334	1
787	Statistical properties of linear-hyperbranched graft copolymers prepared via "hypergrafting" of AB(m) monomers from linear B-functional core chains: A molecular dynamics simulation. 2015 , 143, 243125	6
786	The radius of gyration for a ternary self-condensing vinyl polymerization system. 2015 , 58, 1875-1883	2
7 ⁸ 5	Comparison of Loading Efficiency between Hyperbranched Polymers and Cross-Linked Nanogels at Various Branching Densities. 2015 , 36, 2076-82	15
7 ⁸ 4	Monte Carlo Simulation Studies of Regular and Irregular Dendritic Polymers. 2015 , 24, 477-489	4
783	Synthesis and crosslinking of hyperbranched poly(n-nonyl acrylate) to form organogels. 2015 , 53, 2399-2410	9
782	Utilization of poly(vinylchloride) and poly(vinylidenefluoride) as macroinitiators for ATRP polymerization of hydroxyethyl methacrylate: Electroanalytical and graft-copolymerization studies. 2015 , 53, 2524-2536	7

781	Chain-Growth Click Polymerization of AB2 Monomers for the Formation of Hyperbranched Polymers with Low Polydispersities in a One-Pot Process. 2015 , 127, 7741-7745		23
78o	Self-Assembling Amphiphilic Hyperbranched Polyglycerol B olystyrene Copolymers for Encapsulation. 2015 , 216, 1729-1736		4
779	Reduction-cleavable hyperbranched polymers with limited intramolecular cyclization via click chemistry. 2015 , 53, 2374-2380		18
778	Preparation and characterization of printable solder resist inks based on hyperbranched polyester. Journal of Applied Polymer Science, 2015, 132, n/a-n/a	1.9	
777	New Insight into the ATRP of Monovinyl and Divinyl Monomers. 2015, 216, 1555-1561		9
776	Model-Based Production of Polymer Chains Having Precisely Designed End-to-End Gradient Copolymer Composition and Chain Topology Distributions in Controlled Radical Polymerization, A Review. 2015 , 9, 409-417		18
775	Chain-growth click polymerization of AB2 monomers for the formation of hyperbranched polymers with low polydispersities in a one-pot process. 2015 , 54, 7631-5		114
774	Multivalent polyglycerol supported imidazolidin-4-one organocatalysts for enantioselective Friedel-Crafts alkylations. 2015 , 11, 730-8		12
773	Drug Carrier for Photodynamic Cancer Therapy. 2015 , 16, 22094-136		159
772	Nanoplugging Performance of Hyperbranched Polyamine as Nanoplugging Agent in Oil-Based Drilling Fluid. 2015 , 2015, 1-8		10
771	Cyclotetrasiloxane frameworks for the chemoenzymatic synthesis of oligoesters. 2015 , 5, 1999-2008		5
770	The electrophilic effect of thiol groups on thiol¶ne thermal click polymerization for hyperbranched polythioether. <i>Polymer Chemistry</i> , 2015 , 6, 3747-3753	ļ.9	25
769	Characterization of new drug delivery nanosystems using atomic force microscopy. 2015,		1
768	Hydrogen peroxide-responsive anticancer hyperbranched polymer micelles for enhanced cell apoptosis. <i>Polymer Chemistry</i> , 2015 , 6, 3460-3471	ļ.9	46
767	Hyperbranched poly(glycolide) copolymers with glycerol branching points via ring-opening copolymerization. <i>Polymer</i> , 2015 , 72, 436-446	5.9	3
766	Hyperbranched polyphosphates: synthesis, functionalization and biomedical applications. 2015 , 44, 3942	-53	64
765	Synthesis of an amphiphilic hyperbranched polymer as a novel pH-sensitive drug carrier. 2015 , 5, 20155-2	0159	7
764	Porous Carbons Hyperbranched Polymers Polymer Solvation. 2015 ,		2

Hyperbranched Polydendrons. 2015, 763 7 Statistical thermodynamic properties of a new self-condensing vinyl polymerization system. 2015, 762 58, 1478-1488 Architecture, Assembly, and Emerging Applications of Branched Functional Polyelectrolytes and 761 102 Poly(ionic liquid)s. **2015**, 7, 12570-96 Recent advances in click chemistry applied to dendrimer synthesis. Molecules, 2015, 20, 9263-94 760 4.8 88 Controlled synthesis of hyperbranched polythioether polyols and their use for the fabrication of 2 759 porous anatase nanospheres. 2015, 53, 2557-2562 Prebiotic alternatives to proteins: structure and function of hyperbranched polyesters. 2015, 45, 123-37 758 8 Branched styrenelicrylic resin for coating via radical polymerization in the presence of chain 2 757 transfer monomer. **2015**, 19, 380-384 Photopolymerizable polymer nanocomposites incorporated with hyperbranched polymer having 756 ultrahigh index of refraction for holographic light manipulation. 2015, Dendritic amphiphile mediated porous monolith for eliminating organic micropollutants from 755 27 water. 2015, 3, 6297-6300 Poly(styrene-graft-hyperbranched polyglycidol): synthesis and solution behavior of a 754 hyperbranched polyelectrolyte. 2015, 5, 5611-5616 Reactive oxygen species (ROS)-responsive tellurium-containing hyperbranched polymer. Polymer 4.9 753 45 Chemistry, 2015, 6, 2817-2821 Well-defined supramolecular polymers based on orthogonal hydrogen-bonding and hostquest 18 752 4.9 interactions. Polymer Chemistry, 2015, 6, 5540-5544 Methylsulfone as a leaving group for synthesis of hyperbranched poly(arylene pyrimidine ether)s by 10 751 nucleophilic aromatic substitution. 2015, 5, 12821-12823 Antimicrobial activity of hyperbranched polymers: Synthesis, characterization, and activity assay 750 10 study. 2015, 30, 145-156 Towards neat methanol operation of direct methanol fuel cells: a novel self-assembled proton 48 749 exchange membrane. 2015, 51, 6556-9 Epoxide-terminated hyperbranched polyether sulphone as triple enhancement modifier for 748 2.9 22 DGEBA. Journal of Applied Polymer Science, 2015, 132, Modular and orthogonal synthesis of hybrid polymers and networks. 2015, 51, 5218-37 747 34 A novel all-purpose epoxy-terminated hyperbranched polyether sulphone toughener for an 746 52 3.9 epoxy/amine system. Polymer, 2015, 60, 88-95

745	Self-assembled micelles based on branched poly(styrene-alt-maleic anhydride) as particulate emulsifiers. 2015 , 5, 1564-1570		14
744	Dendritic Polymers Designed for Photo-Driven Applications. 2015 , 25, 47-63		4
743	Water-soluble hyperbranched poly(phenyleneethynylene)s: Facile synthesis, characterization, and interactions with dsDNA. <i>Polymer</i> , 2015 , 59, 93-101	3.9	4
742	Modification of polysulfone hollow fiber ultrafiltration membranes using hyperbranched polyesters with different molecular weights. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 353-361	3.2	12
741	Preparation and characterization of a novel positively charged nanofiltration membrane based on polysulfone. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	14
740	Highly biobased thermally-stimulated shape memory copolymeric elastomers derived from lignin and glycerol-adipic acid based hyperbranched prepolymer. 2015 , 67, 143-154		42
739	Macromolecules based on recognition between cyclodextrin and guest molecules: Synthesis, properties and functions. 2015 , 65, 63-81		43
738	Synthesis of novel branched UV-curable methacrylate copolymer and its application in negative photoresist. 2015 , 72, 523-533		4
737	Synthesis and therapeutic applications of biocompatible or biodegradable hyperbranched polymers. <i>Polymer Chemistry</i> , 2015 , 6, 2794-2812	4.9	46
736	An theoretical investigation of reaction site of 2,4?,6-trifluorobenzophenone, 2,4?,6-trifluorophenylsulfone with hydroquinone. 2015 , 27, 868-876		1
735	Recent Progress on Synthesis of Hyperbranched Polymers with Controlled Molecular Weight Distribution. 2015 , 135-147		6
734	Carboxymethylated hyperbranched polysaccharide: Synthesis, solution properties, and fabrication of hydrogel. 2015 , 128, 179-87		16
733	Sequentially hetero-functional, topological polymers by step-growth thiol-yne approach. 2014 , 4, 4387		40
732	Tailoring of viscoelastic properties and light-induced actuation performance of triblock copolymer composites through surface modification of carbon nanotubes. <i>Polymer</i> , 2015 , 72, 368-377	3.9	18
731	Synthesis and characterization of amino-terminated hyperbranched polymer and its effect on impact resistance of epoxy resin thermosets. 2015 , 293, 2681-2688		20
730	Encyclopedia of Polymeric Nanomaterials. 2015 , 953-958		
729	Encyclopedia of Polymeric Nanomaterials. 2015 , 944-953		
728	Segmented Highly Branched Copolymers: Rationally Designed Macromolecules for Improved and Tunable (19)F MRI. 2015 , 16, 2827-39		42

(2015-2015)

727	Synthesis of Polythiophene Derivatives with Schiff Base Groups and Use as an Active Layer in Polymer Solar Cell Devices. 2015 , 815, 668-674	1
726	Biosourced graphitic nanoparticle loaded hyperbranched polyurethane composites hpplication as multifunctional high-performance coatings. 2015 , 39, 7219-7226	5
7 2 5	Salt-free reactive dyeing of the cotton fabric modified with chitosan-poly(propylene imine) dendrimer hybrid. 2015 , 16, 1075-1081	39
724	PSF hollow fiber membrane fabricated from PSFHBPEPEG400DMAc dope solutions via reverse thermally induced phase separation (RTIPS) process. 2015 , 137, 131-139	28
723	Preparation of hyperbranched polystyrene-g-poly(N-isopropylacrylamide) copolymers and its application to novel thermo-responsive cell culture dishes. <i>Polymer</i> , 2015 , 70, 307-314	21
722	Transition metal nanoparticles stabilized by ammonium salts of hyperbranched polystyrene: effect of metals on catalysis of the biphasic hydrogenation of alkenes and arenes. 2015 , 71, 6414-6423	14
721	Soluble and meltable hyperbranched polyborosilazanes toward high-temperature stable SiBCN ceramics. 2015 , 7, 6733-44	96
720	Tunable Ratiometric Fluorescence Sensing of Intracellular pH by Aggregation-Induced Emission-Active Hyperbranched Polymer Nanoparticles. 2015 , 27, 3450-3455	89
719	In vitro biocompatibility evaluation of biscoumarin based random copolyesters. 2015 , 39, 4948-4956	5
718	Topological analysis and intramolecular cyclic feature evaluation of polymers derived from Am + Bn step-growth polymerization. <i>Polymer Chemistry</i> , 2015 , 6, 909-916 4.9	21
717	Hyperbranched polymers: advances from synthesis to applications. 2015 , 44, 4091-130	469
716	Facile synthesis of photolabile dendritic-unit-bridged hyperbranched graft copolymers for stimuli-triggered topological transition and controlled release of Nile red. <i>Polymer Chemistry</i> , 2015 , 4.9 6, 3489-3501	19
715	Highly cross-linked soluble star copolymers with well controlled molecular weights. 2015, 67, 292-303	6
714	Dyeing performances of ramie fabrics modified with an amino-terminated aliphatic hyperbranched polymer. 2015 , 22, 1401-1414	14
713	Synthesis, characterisation and thermal properties of hyperbranched polyimide derived from melamine via emulsion polymerisation. 2015 , 120, 1785-1798	12
712	Investigating the effects of different loadings of a nanostructured hyperbranched polymer on the kinetic parameters of disperse dyeing of modified poly(ethylene terephthalate) sheets. 2015 , 16, 606-613	3
711	Synthesis and physical properties of highly branched perfluorinated polymers from AB and AB2 monomers. 2015 , 53, 1880-1894	6
710	Hyperbranched polymer functional cotton fabric for its in situ deposition of silver nanoparticles. 2015 , 54, 06FH01	4

709	The dendrimer paradoxhigh medical expectations but poor clinical translation. 2015, 44, 4131-44		105
708	Synthesis of Star Polymers with Epoxide-Containing Highly Branched Cores by Low-Catalyst Concentration Atom Transfer Radical Polymerization and Post-Polymerization Modifications. 2015 , 149-1	167	8
707	Exploring Self-Condensing Vinyl Polymerization of Inimers in Microemulsion To Regulate the Structures of Hyperbranched Polymers. <i>Macromolecules</i> , 2015 , 48, 2118-2126	5.5	57
706	The effect of hyperbranched polyester and zirconium slag nanoparticles on the impact resistance of epoxy resin thermosets. 2015 , 79, 342-350		32
705	Branched Amino Acid Based Poly(ester urea)s with Tunable Thermal and Water Uptake Properties. Macromolecules, 2015, 48, 2916-2924	5.5	18
704	One-pot two polymers: ABB? melt polycondensation for linear polyesters and hyperbranched poly(ester-urethane)s based on natural L-amino acids. <i>Polymer Chemistry</i> , 2015 , 6, 4641-4649	1.9	14
703	Branching in RAFT Miniemulsion Copolymerization of Styrene/Triethylene Glycol Dimethacrylate and Control of Branching Density Distribution. 2015 , 9, 90-99		17
702	Synthesis and self-assembly behavior of POSS-embedded hyperbranched polymers. 2015 , 51, 8296-9		36
701	Synthesis and swelling peculiarities of new hydrogels based on the macromolecular reaction of anhydride copolymers with Eminopropyltriethoxysilane. 2016 , 44, 903-11		
700	Encyclopedia of Polymeric Nanomaterials. 2015 , 2402-2406		
699	Formation of Hyperbranched Amphiphilic Terpolymers and Unimolecular Micelles in One-Pot Copolymerization. <i>Macromolecules</i> , 2015 , 48, 7327-7334	5.5	5
698	Doubly-responsive hyperbranched polymers and core-crosslinked star polymers with tunable reversibility. <i>Polymer Chemistry</i> , 2015 , 6, 7871-7880	1.9	30
697	Lipoates as building blocks of sulfur-containing branched macromolecules. <i>Polymer Chemistry</i> , 2015 , 6, 6936-6945	1.9	25
696	Hyperbranched pyridylphenylene polymers based on the first-generation dendrimer as a multifunctional monomer. 2015 , 5, 99510-99516		15
695	Interactions of dendritic glycopolymer with erythrocytes, red blood cell ghosts and membrane enzymes. 2015 , 496, 475-88		10
694	Multi-Functional Hyperbranched Poly(vinylene sulfide)s Constructed via Spontaneous Thiol™ne Click Polymerization. <i>Macromolecules</i> , 2015 , 48, 7782-7791	5.5	51
693	Exploiting a new glycerol-based copolymer as a route to wound healing: Synthesis, characterization and biocompatibility assessment. 2015 , 136, 600-11		5
692	Hyperbranched polyester copolymers for thermal printing papers: The effects of alkyl chain units in the polymer backbone on developing capability. <i>Polymer</i> , 2015 , 78, 193-201	3.9	12

(2015-2015)

691	Thermal degradation behavior of a flame retardant melamine derivative hyperbranched polyimide with different terminal groups. 2015 , 5, 92664-92676		11
690	Smart branched polymer drug conjugates as nano-sized drug delivery systems. 2015 , 3, 1321-34		66
689	Encyclopedia of Polymeric Nanomaterials. 2015 , 2459-2484		O
688	Mechanical and flame retardant properties of polylactide composites with hyperbranched polymers. 2015 , 118, 186-192		15
687	Encyclopedia of Polymeric Nanomaterials. 2015 , 2203-2209		
686	Encyclopedia of Polymeric Nanomaterials. 2015 , 2249-2254		3
685	Water-soluble and redox-responsive hyperbranched polyether copolymers based on ferrocenyl glycidyl ether. <i>Polymer Chemistry</i> , 2015 , 6, 7112-7118	4.9	10
684	One-pot approach to synthesize hyperbranched poly(thiol日ther amine) (hPtEA) through sequential thiol日neほnd 日poxy日mineにlick reactions. <i>Polymer Chemistry</i> , 2015 , 6, 6946-6954	4.9	12
683	Hyperbranched Self-Immolative Polymers (hSIPs) for Programmed Payload Delivery and Ultrasensitive Detection. 2015 , 137, 11645-55		103
682	Synthesis of Poly(OEOMA) Using Macromonomers via © rafting-Through ATRP. <i>Macromolecules</i> , 2015 , 48, 6385-6395	5.5	47
681	Simultaneous electrochemical determination of ascorbic acid, epinephrine, and uric acid using a polymer film-modified electrode based on Au nanoparticles/poly(3,3?,5,5?-tetrabromo-m-cresolsulfonphthalein). 2015 , 21, 3267-3278		11
68o	Cationic Copolymerization of 3,3-Bis(hydroxymethyl)oxetane and Glycidol: Biocompatible Hyperbranched Polyether Polyols with High Content of Primary Hydroxyl Groups. 2015 , 16, 3297-307		13
679	Hyperbranched Poly(ethylene glycol) Copolymers: Absolute Values of the Molar Mass, Properties in Dilute Solution, and Hydrodynamic Homology. <i>Macromolecules</i> , 2015 , 48, 5887-5898	5.5	28
678	One-pot synthesis of hyperstar polymers via sequential ATRP of inimers and functional monomers in aqueous dispersed media. <i>Polymer Chemistry</i> , 2015 , 6, 6739-6745	4.9	24
677	Dissipative particle dynamics simulation study on self-assembly of amphiphilic hyperbranched multiarm copolymers with different degrees of branching. 2015 , 11, 8460-70		20
676	Synthesis and evaluation of new hyperbranched alkyds for coatings. <i>Progress in Organic Coatings</i> , 2015 , 89, 252-259	4.8	21
675	Synthesis and spectral characteristics of 2,2-bis(hydroxymethyl)propionic acid derivatives as model compounds for the estimation of properties of modified hyperbranched polyesters polyols. 2015 , 51, 1376-1381		6
674	Synthesis and spectral characteristics of a hyperbranched polyester poly(phenylcarbamate). 2015 , 51, 1499-1501		4

673	A hyperbranched mechanically interlocked rotaxane-type polymer. <i>Polymer</i> , 2015 , 81, 99-110	3.9	10
672	Pyrene-anchored ZnO nanoparticles through click reaction for the development of antimicrobial and fluorescent polyurethane nanocomposite. 2015 , 64, 267-274		7
671	Polymer melt flow through nanochannels: from theory and fabrication to application. 2015 , 5, 7160-71	72	10
670	Synthesis and self-assembly in aqueous solution of amphiphilic diblock copolymers containing hyperbranched polyethylene. <i>Polymer</i> , 2015 , 57, 125-131	3.9	7
669	Recent developments and applications of bioinspired dendritic polymers. <i>Polymer Chemistry</i> , 2015 , 6, 668-680	4.9	55
668	Synthesis of hyperbranched polymers and their applications in analytical chemistry. <i>Polymer Chemistry</i> , 2015 , 6, 1214-1225	4.9	36
667	Preparation and characterization of cross-linked poly (vinyl alcohol)/hyperbranched polyester membrane for the pervaporation dehydration of ethylene glycol solution. 2015 , 62, 155-166		26
666	Hyperbranched polyether as an all-purpose epoxy modifier: controlled synthesis and toughening mechanisms. 2015 , 3, 1188-1198		86
665	Molecular Dynamics Simulations of Hyperbranched PAMAM Vicsek Fractals. 2015, 24, 100-109		7
664	Hyperbranched polysiloxane functionalization of graphene oxide for improved mechanical properties of cyanate ester nanocomposites. 2015 , 49, 939-948		14
663	Solution processible hyperbranched inverse-vulcanized polymers as new cathode materials in LiB batteries. <i>Polymer Chemistry</i> , 2015 , 6, 973-982	4.9	45
662	Influence of branching on the chiral self-assembly of poly(phenylene ethynylene). 2015 , 53, 79-84		9
661	The use of oil palm biomass (OPB) fibers as reinforcements in composites. 2015 , 342-382		2
660	Fabrication of Fe3O4 nano-aggregates hybrid material via self-assembly of nanocapsules based on amphiphilic hyperbranched polyglycerols. 2015 , 139, 173-176		5
659	Hyperbranched polymer vesicles: from self-assembly, characterization, mechanisms, and properties to applications. 2015 , 44, 3874-89		197
658	Bioapplications of hyperbranched polymers. 2015 , 44, 4023-71		219
657	State-of-the-Art Technologies for Separation of Azeotropic Mixtures. 2015 , 44, 308-330		49
656	Impact of dendritic polymers on nanomaterials. <i>Polymer Chemistry</i> , 2015 , 6, 10-24	4.9	36

655	Dendritic Polymers for Theranostics. 2016 , 6, 930-47		60
654	PRODUCTION, PURIFICATION AND FUNCTIONALIZATION OF CARBON NANOTUBES FOR MEDICAL APPLICATIONS. 2016 , 7, 19-27		7
653	Reversible Self-Assembly of Backbone-Thermoresponsive Long Chain Hyperbranched Poly(-Isopropyl Acrylamide). <i>Polymers</i> , 2016 , 8,	4.5	6
652	Relaxation Dynamics of Semiflexible Fractal Macromolecules. <i>Polymers</i> , 2016 , 8,	4.5	4
651	Synthesis and Conjugation of Alkyne-Functional Hyperbranched Polyglycerols. 2016 , 217, 2252-2261		6
650	Hyperbranched Polymers by Type II Photoinitiated Self-Condensing Vinyl Polymerization. 2016 , 37, 650-	-4	36
649	Hyperbranched block copolymer from AB2 macromonomer: Synthesis and its reaction-induced microphase separation in epoxy thermosets. 2016 , 54, 368-380		17
648	Preparation and characterization of hyperbranched poly(ether sulfone) and its application as a coating additive for linear poly(ether sulfone). <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	16
647	Polyethylene-block-hyperbranched polyglycerol diblock copolymers: synthesis, thermal property and compatibilization. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	3
646	Amphiphilic Hyperbranched Polymers: Synthesis and Host-Guest Supermolecular Coloring Application. 2016 , 217, 380-389		8
645	Relaxation dynamics of small-world degree-distributed treelike polymer networks. 2016 , 462, 376-385		7
644	Acylamide and Amine Oxide Derivatives of Linear and Hyperbranched Polyethylenimine. Part 2: Comparison of Gas Kinetic Hydrate Inhibition Performance. 2016 , 30, 5665-5671		17
643	Synthesis and properties of click coupled graphene oxide sheets with three-dimensional macromolecules. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	5
642	Support Functionalization with a Phosphine-Containing Hyperbranched Polymer: A Strategy to Enhance Phosphine Grafting and Metal Loading in a Hydroformylation Catalyst. 2016 , 8, 1951-1960		11
	Delyamine amphibile mediated support of platinum paperarticles on polyHDE as an eyes		
641	Polyamino amphiphile mediated support of platinum nanoparticles on polyHIPE as an over 1500-time recyclable catalyst. 2016 , 6, 109253-109258		11
640		4.9	108
	1500-time recyclable catalyst. 2016 , 6, 109253-109258 Hyperbranched polymers from A2 + B3 strategy: recent advances in description and control of fine	4.9	

637	Preparation of complementary glycosylated hyperbranched polymer/poly(ethylene glycol) brushes and their selective interactions with hepatocytes. 2016 , 145, 309-318		5
636	Hyperbranched polyester poly(3-diethylaminepropionate)s and their copper(II) complexes: Synthesis, characterization and biological investigation. 2016 , 450, 101-111		12
635	Poly(thiourethane-urethane)-urea as anticorrosion coatings with impressive optical properties. <i>Polymer</i> , 2016 , 97, 370-379	3.9	22
634	Sensitive electrogravimetric immunoassay of hepatitis B surface antigen through hyperbranched polymer bridge linked to multiple secondary antibodies. 2016 , 70,		3
633	Investigations on mechanical characteristics of glass fiber reinforced epoxy composite modified with amino-terminated hyperbranched polymer. 2016 , 17, 282-288		9
632	Multivariate analysis of 13C NMR spectra of branched copolymers prepared by initiator-fragment incorporation radical copolymerization of ethylene glycol dimethacrylate and tert-butyl methacrylate. <i>Polymer Journal</i> , 2016 , 48, 793-800	2.7	6
631	Relationships between Architectures and Properties of Highly Branched Polymers: The Cases of Amorphous Poly(trimethylene carbonate) and Crystalline Poly(Laprolactone). 2016 , 120, 4078-90		14
630	Effect of functionalized graphene oxide with hyperbranched POSS polymer on mechanical and dielectric properties of cyanate ester composites. 2016 , 6, 38887-38896		24
629	Acylamide and Amine Oxide Derivatives of Linear and Hyperbranched Polyethylenimines. Part 1: Comparison of Tetrahydrofuran Hydrate Crystal Growth Inhibition Performance. 2016 , 30, 3934-3940		22
628	Hyperbranched polymers via RAFT self-condensing vinyl polymerization. <i>Polymer Chemistry</i> , 2016 , 7, 3361-3369	4.9	76
627	Synthesis of highly branched poly(Evalerolactone)s: a comparative study between comb and linear analogues. 2016 , 6, 45791-45801		13
626	Synthesis of four- and six-armed star-shaped polycarbonates by immortal alternating copolymerization of CO2 and propylene oxide. <i>Polymer Chemistry</i> , 2016 , 7, 3906-3912	4.9	11
625	Synthesis of Hyperbranched Polymers with High Molecular Weight in the Homopolymerization of Polymerizable Trithiocarbonate Transfer Agent without Thermal Initiator. <i>Macromolecules</i> , 2016 , 49, 6471-6479	5.5	10
624	Encyclopedia of Membranes. 2016 , 1005-1006		
623	Encyclopedia of Membranes. 2016 , 985-987		
622	Free volume distribution of branched poly(methyl methacrylates): Conformational probes study. 2016 , 1125, 800-803		3
621	Encyclopedia of Membranes. 2016 , 916-918		
620	Encyclopedia of Membranes. 2016 , 937-939		

619 Encyclopedia of Membranes. **2016**, 933-935

618	Encyclopedia of Membranes. 2016 , 910-911		
617	Fabrication of modified bismaleimide resins by hyperbranched phenyl polysiloxane and improvement of their thermal conductivities. 2016 , 6, 57357-57362		12
616	Response surface analysis for understanding the effects of synthesis parameters on the microstructure of hyperbranched polyesters. 2016 , 53, 741-749		7
615	Artificial Neural Network (ANN) Models and Polymers. 2016 , 15-22		
614	Synthesis and characterization of visible-light-activated Azo hyperbranched polymers. <i>Polymer Chemistry</i> , 2016 , 7, 5407-5413	4.9	11
613	Role of hyperbranched polystyrene on thermo-responsive cell culture dishes prepared by hyperbranched polystyrene-g-poly(N-isopropylacrylamide). <i>Polymer</i> , 2016 , 100, 77-85	3.9	13
612	Structure design of a hyperbranched polyamine adsorbent for CO2 adsorption. 2016 , 18, 5859-5869		42
611	100% hyperbranched polymers via the acid-catalyzed Friedel@rafts aromatic substitution reaction. <i>Polymer Chemistry</i> , 2016 , 7, 5226-5232	4.9	16
610	Encyclopedia of Membranes. 2016 , 901-902		O
609	Synthesis of acid-degradable hyperbranched polymers by chain-growth CuAAC polymerization of an AB3 monomer. <i>Polymer Chemistry</i> , 2016 , 7, 5512-5517	4.9	28
608	Acyl Poly(Glycerol-Succinic Acid) Oligoesters: Synthesis, Physicochemical and Functional Properties, and Biodegradability. 2016 , 19, 933-941		7
607	Core-shell type hyperbranched grafting copolymers: Preparation, characterization and investigation on their intrinsic fluorescence properties. <i>Polymer</i> , 2016 , 107, 154-162	3.9	14
606	Encyclopedia of Membranes. 2016 , 957-957		
605	Preparation and functionalization of linear and reductively degradable highly branched cyanoacrylate-based polymers. 2016 , 54, 3683-3693		19
604	Anticancer nanoparticulate polymer-drug conjugate. 2016 , 1, 277-296		48
603	Design and synthesis of hyperbranched polyimide containing multi-triphenylamine moieties for memory devices. 2016 , 6, 93094-93102		19
602	Effect of Monomer Structure on the CuAAC Polymerization To Produce Hyperbranched Polymers. <i>Macromolecules</i> , 2016 , 49, 5342-5349	5.5	28

601	Host-guest binding motifs based on hyperbranched polymers. 2016 , 52, 11728-43		11
600	Synergic improvement of DGEBA/CSP/HBP composite on mechanical behavior. 2016 , 58, 785-792		O
599	Tuning photothermal properties of gold nanodendrites for in vivo cancer therapy within a wide near infrared range by simply controlling their degree of branching. 2016 , 104, 138-44		49
598	HBP Builder: A Tool to Generate Hyperbranched Polymers and Hyperbranched Multi-Arm Copolymers for Coarse-grained and Fully Atomistic Molecular Simulations. 2016 , 6, 26264		9
597	Fabrication of magnetic water-soluble hyperbranched polyol functionalized graphene oxide for high-efficiency water remediation. 2016 , 6, 28924		36
596	Hyperbranched-polymer dispersed nanocomposite volume gratings for holography and diffractive optics. 2016 ,		
595	Encyclopedia of Membranes. 2016 , 953-953		
594	Assembly of Amphiphilic Hyperbranched Polymeric Ionic Liquids in Aqueous Media at Different pH and Ionic Strength. <i>Macromolecules</i> , 2016 , 49, 8697-8710	5.5	24
593	Local orientational mobility in regular hyperbranched polymers. 2016 , 94, 012502		9
592	Synthesis of a novel triazine-based polymeric flame retardant and its application in polypropylene. 2016 , 134, 202-210		30
591	Probing the molecular design of hyper-branched aryl polyesters towards lubricant applications. 2016 , 6, 18624		19
590	Self-healing hyperbranched polytriazoles prepared by metal-free click polymerization of propiolate and azide monomers. 2016 , 59, 1554-1560		21
589	Localized electrons and phonons in branched polyacetylene molecules. 2016 , 11, 820-829		2
588	Synthesis and properties of novel benzobisthiazole-containing hyperbranched polyamides derived from 2,6-diaminobenzo[1,2-d:4,5-d']bisthiazole. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	1
587	Self-assembly properties of a temperature- and salt-tolerant amphoteric hydrophobically associating polyacrylamide. 2016 , 6, 49281-49288		22
586	Quasi-solid electrolyte with polyamidoamine dendron modified-talc applied to dye-sensitized solar cells. 2016 , 325, 161-170		9
585	Investigate the Glass Transition Temperature of Hyperbranched Copolymers with Segmented Monomer Sequence. <i>Macromolecules</i> , 2016 , 49, 4416-4422	5.5	31
584	BODIPY based hyperbranched conjugated polymers for detecting organic vapors. <i>Polymer Chemistry</i> , 2016 , 7, 4213-4225	4.9	26

(2016-2016)

583	Intrinsic dependence of hydrophilic and electrokinetic features of positively charged thin film composite nanofiltration membranes on molecular weights of poly(ethyleneimine)s. <i>Polymer</i> , 2016 , 93, 99-114	3.9	7	
582	Modular segmented hyperbranched copolymers. <i>Polymer Chemistry</i> , 2016 , 7, 4155-4159	4.9	18	
581	A novel hybrid linearByperbranched poly(butylene adipate) copolymer as an epoxy resin modifier with toughening effect. 2016 , 65, 308-319		12	
580	Multi-arm star polymers of lactide obtained in melt in the presence of hyperbranched oligoglycerols. 2016 , 65, 927-937		9	
579	Formation of long sub-chain hyperbranched poly(methyl methacrylate) based on inhibited self-cyclization of seesaw macromonomers. <i>Polymer Chemistry</i> , 2016 , 7, 4842-4851	4.9	16	
578	Rhodium-complexed hyperbranched poly(ethyleneimine) and polyamidoamine and their non-covalent immobilization on magnetic nanoparticles. 2016 , 818, 48-57		5	
577	Facile crosslinking synthesis of hyperbranch-substrate nanonetwork magnetite nanocomposite for the fast and highly efficient removal of lead ions and anionic dyes from aqueous solutions. 2016 , 6, 670	057-67	0715	
576	Improving the heat-resistance and toughness performance of phenolic resins by adding a rigid aromatic hyperbranched polyester. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	8	
575	Fabrication of hyperbranched polyamine functionalized graphene for high-efficiency removal of Pb(II) and methylene blue. 2016 , 287, 545-556		104	
574	Design a Highly Reactive Trifunctional Core Molecule To Obtain Hyperbranched Polymers with over a Million Molecular Weight in One-Pot Click Polymerization. <i>Macromolecules</i> , 2016 , 49, 760-766	5.5	59	
573	Hyperbranched polyurethane as a highly efficient toughener in epoxy thermosets with reaction-induced microphase separation. 2016 , 6, 18060-18070		25	
57²	Synthetic Biomaterials from Metabolically Derived Synthons. 2016 , 116, 2664-704		55	
57 ¹	Effect of branching architecture on glass transition behavior of hyperbranched copolystyrenes: the experiment and simulation studies. 2016 , 34, 77-87		8	
570	Nanoparticle-polymer composite volume holographic gratings dispersed with ultrahigh-refractive-index hyperbranched polymer as organic nanoparticles. 2016 , 41, 1281-4		20	
569	Hyperbranched polyethylenimine based polyamine-N-oxide-carboxylate chelates of gadolinium for high relaxivity MRI contrast agents. 2016 , 6, 28063-28068		15	
568	The use of azide-alkyne click chemistry in recent syntheses and applications of polytriazole-based nanostructured polymers. 2016 , 8, 4864-81		75	
567	Hyperbranched Polymers with High Degrees of Branching and Low Dispersity Values: Pushing the Limits of Thioline Chemistry. <i>Macromolecules</i> , 2016 , 49, 1296-1304	5.5	57	
566	New core-shell hyperbranched chitosan-based nanoparticles as optical sensor for ammonia detection. 2016 , 86, 782-8		30	

565	Toward Understanding of Branching in RAFT Copolymerization of Methyl Methacrylate through a Cleavable Dimethacrylate. <i>Macromolecules</i> , 2016 , 49, 752-759	18
564	Paper preservation with polyamidoamines: a preliminary study. 2016 , 23, 1415-1432	11
563	Hyperbranched poly(N-(2-hydroxypropyl) methacrylamide) via RAFT self-condensing vinyl polymerization. <i>Polymer Chemistry</i> , 2016 , 7, 2099-2104	39
562	Photopolymerizable nanocomposite photonic materials and their holographic applications in light and neutron optics. 2016 , 63, S1-S31	46
561	Control-synthesized multilayer hyperbranchedflyperbranched polyethers with a tunable molecular weight and an invariant degree of branching. 2016 , 40, 3432-3439	5
560	Polyurethane TFC nanofiltration membranes based on interfacial polymerization of poly(bis-MPA) and MDI on the polyethersulfone support. 2016 , 162, 37-44	26
559	Designing hyperbranched polymers for gene delivery. 2016 , 1, 25-39	19
558	Biomimic Plant Cuticle from Hyperbranched Poly(ricinoleic acid) and Cellulose Film. 2016 , 4, 363-369	15
557	Development of biodegradable hyper-branched tissue adhesives for the repair of meniscus tears. 2016 , 32, 1-9	27
556	Hyperbranched polymeric ionic liquid with imidazolium backbones for highly efficient removal of anionic dyes. 2016 , 287, 482-491	46
555	Intramolecular Cross-Linking Methodologies for the Synthesis of Polymer Nanoparticles. 2016 , 116, 878-961	272
554	Synthesis and evaluation of a glutamic acid-modified hPAMAM complex as a promising versatile gene carrier. 2016 , 24, 408-21	9
553	Alternative Monomers Based on Lignocellulose and Their Use for Polymer Production. 2016 , 116, 1540-99	442
552	Studying the effect of hyperbranched polymer modification on the kinetics of curing reactions and physical/mechanical properties of UV-curable coatings. <i>Progress in Organic Coatings</i> , 2016 , 90, 187-199 4.8	19
551	Molecular design of sulfonated hyperbranched poly(arylene oxindole)s for efficient cellulose conversion to levulinic acid. 2016 , 18, 1694-1705	47
550	Graphene oxides cross-linked with hyperbranched polyethylenimines: Preparation, characterization and their potential as recyclable and highly efficient adsorption materials for lead(II) ions. 2016 , 285, 698-708	114
549	One-pot synthesize of dendritic hyperbranched PAMAM and assessment as a broad spectrum antimicrobial agent and anti-biofilm. 2016 , 58, 1150-9	21
548	Development of hyperbranched polyester polyol-based waterborne anticorrosive coating. 2016 , 13, 41-51	9

(2017-2016)

547	Simultaneous determination of cysteine, uric acid and tyrosine using Au-nanoparticles/poly(E)-4-(p-tolyldiazenyl)benzene-1,2,3-triol film modified glassy carbon electrode. 2016 , 59, 120-128		24
546	Hyperbranched Polymers for Coating Applications: A Review. 2016 , 55, 92-117		44
545	The phase behavior in supercritical carbon dioxide of hyperbranched copolymers with architectural variations. 2016 , 107, 657-668		2
544	Preparation and evaluation of hyperbranched p-chloromethyl styrene polymers/montmorillonite clay nanocomposites as dielectric materials. 2016 , 73, 147-162		11
543	Synthesis and characterization of hyperbranched poly(aryl ether ketone) terminated with phthalonitrile group. 2016 , 28, 263-270		5
542	Synthesis and properties of (A2+B4)-type hyperbranched polyimides with different terminal groups. 2017 , 29, 46-57		2
541	Conjugation of poly(ethylene glycol) to poly(lactide)-based polyelectrolytes: An effective method to modulate cytotoxicity in gene delivery. 2017 , 73, 275-284		50
540	Changing the memory behaviors from volatile to nonvolatile via end-capping of hyperbranched polyimides with polycyclic arenes. 2017 , 139, 730-736		16
539	Label-free immunosensor based on hyperbranched polyester for specific detection of Fetoprotein. 2017 , 92, 1-7		40
538	Protein Transport Properties of PAN Membranes Grafted with Hyperbranched Polyelectrolytes and Hyperbranched Zwitterions. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1019-1028	3.9	13
537	Hyperbranched narrow-bandgap DPP homopolymers synthesized via direct arylation polycondensation. 2017 , 55, 1040-1047		13
536	Optical properties and fluorescence quenching of carbazole containing (DA) pushpull chromophores by silver nanoparticles: a detailed insight via an experimental and theoretical approach. 2017 , 7, 8402-8414		8
535	Near-infrared luminescent erbium complexes with 8-hydroxyquinoline-terminated hyperbranched polyester. <i>Polymer</i> , 2017 , 113, 274-282	3.9	7
534	Microwave-assisted synthesis of fluorescent carbon quantum dots from an A2/B3 monomer set. 2017 , 7, 12663-12669		41
533	Solubilization of phenols by multimolecular aggregates formed by low molecular weight hyperbranched polyglycidol. 2017 , 526, 1-7		1
532	Preparation of hyperstar polymers with encapsulated Au(SR) clusters as recyclable catalysts for nitrophenol reduction. 2017 , 9, 3629-3636		18
531	Electrochemically mediated atom transfer radical polymerization (eATRP). <i>Progress in Polymer Science</i> , 2017 , 69, 47-78	29.6	226
530	Synthesis and memory characteristics of highly organo-soluble hyperbranched polyimides with various electron acceptors. 2017 , 55, 2281-2288		12

529	The aza-Michael reaction as an alternative strategy to generate advanced silicon-based (macro)molecules and materials. <i>Progress in Polymer Science</i> , 2017 , 72, 61-110	29.6	58
528	Effect of feed rate of end-capping molecules on structure of hyperbranched polymers formed from monomers A 2 and B 4 in semibatch process. 2017 , 89, 339-348		8
527	Synthesis of highly branched polymers by reversible complexation-mediated copolymerization of vinyl and divinyl monomers. <i>Polymer Chemistry</i> , 2017 , 8, 2137-2144	4.9	18
526	Well-defined hyperstar copolymers based on a thiolyne hyperbranched core and a poly(2-oxazoline) shell for biomedical applications. <i>Polymer Chemistry</i> , 2017 , 8, 2041-2054	4.9	29
525	Cationic branched polymers for cellular delivery of negatively charged cargo. 2017, 39, 324-333		5
524	Sunflower oil-based hyperbranched alkyd/spherical ZnO nanocomposite modeling for mechanical and anticorrosive applications. 2017 , 7, 21796-21808		55
523	Regulating plant physiology with organic electronics. 2017 , 114, 4597-4602		39
522	A smart gene delivery platform: Cationic oligomer. 2017 , 105, 33-40		6
521	Overview of the Synthesis of Salts of Organophosphonic Acids and Their Application to the Management of Oilfield Scale. 2017 , 31, 4603-4615		36
520	Waterborne carboxyl-terminated hyperbranched oligomer polyester ligand: Synthesis, characterization and chelation with chromium(III). 2017 , 1143, 371-377		14
519	TiO 2 /Poly(thiourethane-urethane)-urea nanocomposites: Anticorrosion materials with NIR-reflectivity and high refractive index. <i>Polymer</i> , 2017 , 119, 142-151	3.9	19
518	Mechanochemical Suzuki polycondensation [from linear to hyperbranched polyphenylenes. 2017 , 19, 2973-2979		52
517	A photocontrollable supramolecular hyperbranched polymer based on host-guest recognition in aqueous solution. 2017 , 143, 211-216		9
516	Hyperbranched polyesterpolyols as components of amperometric monoamine oxidase biosensors based on electrodes modified with nanomaterials for determination of antidepressants. 2017 , 90, 97-10)5	7
515	Nanocomposite volume holographic gratings incorporated with ultrahigh refractive index hyperbranched polymer for diffractive optical elements. 2017 ,		2
514	Controlled one-step synthesis of hyperbranched 1,4-cis + 1,2-polybutadiene by using novel catalytic dithio system. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	1
513	Facile preparation of water-soluble hyperbranched polyamine functionalized multiwalled carbon nanotubes for high-efficiency organic dye removal from aqueous solution. 2017 , 7, 3611		31
512	Bioinspired from Salivary Acquired Pellicle: A Multifunctional Coating for Biominerals. 2017 , 29, 5663-56	570	22

(2017-2017)

511	Synthesis of fluorescent hyperbranched enediynes and Bergman cyclization polymerization for generating spatially locked persistent radicals. <i>Polymer</i> , 2017 , 119, 245-252	3.9	1
510	CdS quantum dots capped with hyperbranched graft copolymers: Role of hyperbranched shell in fluorescence and selective mercury-sensing. 2017 , 251, 171-179		18
509	Main-chain poly(phosphoester)s: History, syntheses, degradation, bio-and flame-retardant applications. <i>Progress in Polymer Science</i> , 2017 , 73, 61-122	29.6	123
508	Hyperbranched PDLA-polyglicerol: A novel additive for tuning PLLA electrospun fiber degradation and properties. 2017 , 91, 21-30		9
507	A novel one-pot process for the preparation of linear and hyperbranched polycarbonates of various diols and triols using dimethyl carbonate. 2017 , 7, 12550-12560		17
506	Hybrid POSS-Hyperbranched polymer additives for simultaneous reinforcement and toughness improvements in epoxy networks. <i>Polymer</i> , 2017 , 117, 54-63	3.9	51
505	Diphenic acid derivatives: Synthesis, reactions, and applications. 2017 , 47, 935-960		5
504	Hyperbranced Polymers by Photoinduced Self-Condensing Vinyl Polymerization Using Bisbenzodioxinone. 2017 , 218, 1700045		28
503	Dendritic amphiphile-decorated polyHIPE as a highly efficient and well recyclable scavenger of micropollutants in water: Topological effect. 2017 , 55, 1294-1302		11
502	Recent progress and advances in redox-responsive polymers as controlled delivery nanoplatforms. 2017 , 1, 807-822		93
501	Hyperbranched poly(glycerol) as a T1 contrast agent for tumor-targeted magnetic resonance imaging in vivo. <i>Polymer Chemistry</i> , 2017 , 8, 1104-1113	4.9	14
500	Alkyd resins based on hyperbranched polyesters and PET waste for coating applications. <i>Progress in Organic Coatings</i> , 2017 , 102, 217-224	4.8	23
499	Microwave-assisted synthesis of luminescent and biocompatible lysine-based carbon quantum dots. 2017 , 47, 329-335		96
498	Branched Polytetrahydrofuran and Poly(tetrahydrofuran-co-Etaprolactone) Synthesized by Janus Polymerization: A Novel Self-Healing Material. 2017 , 218, 1600450		14
497	Monte Carlo simulations of cyclization in hyperbranched system of AB g type with solvent effect. Journal of Polymer Research, 2017 , 24, 1	2.7	1
496	Photosystem II Based Multilayers. 2017 , 109-133		
495	CO2 derived hydrogen bonding spacer: enhanced toughness, transparency, elongation and non-covalent interactions in epoxy-hydroxyurethane networks. 2017 , 5, 24299-24313		12
494	Dynamically Folded Single-Chain Polymeric Nanoparticles. 2017 , 183-216		1

493	Effect of Superbasic Ionic Liquids on the Synthesis of Dendritic Polyamines via Aza-Michael Addition Reaction. <i>ChemistrySelect</i> , 2017 , 2, 10020-10026	1.8	1
492	Hydrodynamic characteristics of branched polystyrenes with varying content of a highly branched fraction. 2017 , 59, 613-623		1
491	The One-Stage Synthesis of Hyperbranched Polyimides by (A2+B4) Scheme in Catalytic Solvent. 2017 , 375, 1600202		6
490	Modeling of the polymerization of linear monomers in the presence of multifunctional units. <i>Polymer</i> , 2017 , 126, 74-86	3.9	2
489	Mechanical and Thermomechanical Characterization of Glassy Thermoplastics with Intrachain Cross-Links. <i>Macromolecules</i> , 2017 , 50, 6415-6420	5.5	10
488	Subnanoporous Highly Oxygen Permselective Membranes from Poly(conjugated hyperbranched macromonomer)s Synthesized by One-Pot Simultaneous Two-Mode Homopolymerization of 1,3-Bis(silyl)phenylacetylene Using a Single Rh Catalytic System: Control of Their Structures and	5.5	5
487	Micro-hydrogel Particles Consisting of Hyperbranched Polyamidoamine for the Removal of Heavy Metal Ions from Water. 2017 , 7, 10012		6
486	Synthesis and characterization of hyperbranched poly(ester-amine) by Michael addition polymerization. 2017 , 20, 458-467		4
485	Eosin-mediated synthesis of polymer coatings combining photodynamic inactivation and antimicrobial properties. 2017 , 5, 7572-7582		11
484	Effect of surface modification of electrochemically oxidized carbon fibers by grafting hydroxyl and amine functionalized hyperbranched polyurethanes on interlaminar shear strength of epoxy composites. 2017 , 123, 233-242		54
483	Rigid Hyperbranched Polycarbonate Polyols from CO2 and Cyclohexene-Based Epoxides. <i>Macromolecules</i> , 2017 , 50, 6088-6097	5.5	14
482	A dissipative particle dynamics simulation study on phase diagrams for the self-assembly of amphiphilic hyperbranched multiarm copolymers in various solvents. 2017 , 13, 6178-6188		30
481	The structure and application of amine-terminated hyperbranched polymer shale inhibitor for water-based drilling fluid. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45466	2.9	30
480	Periodically Grafted Linear Hyperbranched Copolymers Based on Polyethylene and Polyglycidol: Importance of the Architecture on Properties. 2017 , 218, 1700249		
479	Noncovalent immobilization of pyrene-terminated hyperbranched triazole-based polymeric ionic liquid onto graphene for highly active and recyclable catalysis of CO2/epoxide cycloaddition. 2017 , 7, 4173-4181		9
478	The first example of bis(indolyl)methane based hyperbranched polyurethanes: Synthesis, solar cell application and anti-bacterial and anti-oxidant properties. 2017 , 95, 216-231		10
477	Cross-Linked Polyamides Synthesized through a Michael Addition Reaction Coupled with Bulk Polycondensation. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13743-13750	3.9	7
476	Synthesis of Hyperbranched Polymers by Photoinduced Metal-Free ATRP. <i>Macromolecules</i> , 2017 , 50, 9115-9120	5.5	53

475	Synthesis of structurally controlled hyperbranched polymers using a monomer having hierarchical reactivity. 2017 , 8, 1863		37
474	Synthesis, electrolyte properties and solar cell performance of hyperbranched poly(aryl-ether-urea)s. 2017 , 54, 978-985		2
473	Synthesis and characterization of hyperbranched polyimides from a novel B B 2-type triamine with tert-butyl side group. <i>Polymer</i> , 2017 , 133, 171-183	3.9	8
472	Synthesis of Hyperbranched Polypyridine via a Cross Coupling Approach as an n-Type Econjugated Polymer. 2017 , 218, 1700391		5
471	Protoenzymes: the case of hyperbranched polyesters. 2017 , 375,		10
470	Hyperbranched polyglycerols: recent advances in synthesis, biocompatibility and biomedical applications. 2017 , 5, 9249-9277		79
469	Preparation and Properties of A Hyperbranch-Structured Polyamine adsorbent for Carbon Dioxide Capture. 2017 , 7, 3913		27
468	Preparation of a novel magnetic and thermo-responsive composite and its application in drug release. 2017 , 148, 1205-1213		4
467	Hyperbranched polyesters by polycondensation of fatty acid-based ABn-type monomers. 2017 , 19, 259-2	:69	29
466	Novel fluorescent porous hyperbranched aromatic polyamide containing 1,3,5-triphenylbenzene moieties: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	4
465	Azo Polymers. 2017 ,		28
464	Azo Polymer Syntheses. 2017 , 57-115		1
463	Synthesis and applications of stimuli-responsive hyperbranched polymers. <i>Progress in Polymer Science</i> , 2017 , 64, 114-153	29.6	144
463 462		29.6	144 30
	Science, 2017, 64, 114-153 Synthesis of ethylene diamine-based ferrocene terminated dendrimers and their application as	29.6	
462	Synthesis of ethylene diamine-based ferrocene terminated dendrimers and their application as burning rate catalysts. 2017, 487, 38-51 Aqueous interfacial gels assembled from small molecule supramolecular polymers. 2017, 8, 1350-1355 Tappic acid based byperbranched epoxy/reduced graphene oxide panocomposites as surface.	29.6 4.8	30
462 461	Science, 2017, 64, 114-153 Synthesis of ethylene diamine-based ferrocene terminated dendrimers and their application as burning rate catalysts. 2017, 487, 38-51 Aqueous interfacial gels assembled from small molecule supramolecular polymers. 2017, 8, 1350-1355 Tannic acid based hyperbranched epoxy/reduced graphene oxide nanocomposites as surface		30

457	The use of nanotechnology for fibre-reinforced polymer composites. 2017 , 277-297	4
456	Preparation and Properties of Branched Polystyrene through Radical Suspension Polymerization. <i>Polymers</i> , 2017 , 9, 4.5	7
455	Recent Progress on Hyperbranched Polymers Synthesized via Radical-Based Self-Condensing Vinyl Polymerization. <i>Polymers</i> , 2017 , 9,	47
454	A Green Route to Copper Loaded Silica Nanoparticles Using Hyperbranched Poly(Ethylene Imine) as a Biomimetic Template: Application in Heterogeneous Catalysis. 2017 , 7, 390	6
453	Catalyst System for Hydrogenation Catalysis Based on Multiarm Hyperbranched Polymer Templated Metal (Au, Pt, Pd, Cu) Nanoparticles. <i>Polymers</i> , 2017 , 9,	11
452	Improved epoxy thermosets by the use of poly(ethyleneimine) derivatives. 2017, 2,	1
451	A Novel Hyperbranched Polymeric Flocculant for Waste-Water Treatment. 2018 , 26, 2782-2792	9
450	Hyperbranched Multiarm Copolymers with a UCST Phase Transition: Topological Effect and the Mechanism. <i>Langmuir</i> , 2018 , 34, 3058-3067	23
449	Supramolecular dendritic polymers for diagnostic and theranostic applications. 2018 , 61, 1444-1453	5
448	Synthesis and peptide functionalization of hyperbranched poly(arylene oxindole) towards versatile biomaterials. <i>Polymer Chemistry</i> , 2018 , 9, 2775-2784	6
447	Well-defined benzoxazine/triphenylamine-based hyperbranched polymers with controlled degree of branching 2018 , 8, 13592-13611	16
446	Controlled Self-assembly of Thermo-responsive Amphiphilic H-shaped Polymer for Adjustable Drug Release. 2018 , 36, 406-416	20
445	Poly(alkyl methacrylate)-Grafted Polyolefins as Viscosity Modifiers for Engine Oil: A New Mechanism for Improved Performance. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1840-1850	11
444	Hyperbranched Triphenylamine Polymer for UltraFast Battery Cathode. 2018 , 10, 6346-6353	29
443	Polymer Chelating Ligands: Classification, Synthesis, Structure, and Chemical Transformations. 2018 , 13-197	2
442	Synthesis and characterization of solvent-free hybrid alkyd resin with hyperbranched melamine core. 2018 , 15, 831-843	2
441	Ring and Linear Copolymer Blends under Confinement. 2018 , 122, 1306-1314	1
440	Hyperbranched Aliphatic Polyester via Cross-Metathesis Polymerization: Synthesis and Postpolymerization Modification. 2018 , 39, 1700658	8

439	Macromolecular 'size' and 'hardness' drives structure in solvent-swollen blends of linear, cyclic, and star polymers. 2018 , 14, 411-423		4	
438	Study on the synthesis and thermal degradation of vinylphenylpolysilsesquioxane. 2018 , 130, 249-255		31	
437	Hyperbranched vs. linear polymers in the catalysis by sulfonic acid functionalized poly(ether sulfone). <i>Polymer</i> , 2018 , 137, 324-329	3.9	7	
436	Injectable hyperbranched poly(舳mino ester) hydrogels with on-demand degradation profiles to match wound healing processes. 2018 , 9, 2179-2187		87	
435	Facile fabrication of mixed matrix membranes from simultaneously polymerized hyperbranched polymer/modified graphene oxide for MTBE/MeOH separation. 2018 , 559, 8-18		21	
434	Novel fluorescent hyperbranched aliphatic polyestertriazole as efficient probe for detecting Hg2+ in water. <i>Reactive and Functional Polymers</i> , 2018 , 126, 87-94	4.6	5	
433	Applications of Graft Copolymerization: A Revolutionary Approach. 2018, 1-44		1	
432	Synthesis and application of water-soluble hyperbranched polyester modified by trimellitic anhydride. 2018 , 55, 414-421		10	
431	Synthesis, characterization, optical and electrical properties of novel highly dendritic polythiophene nanocomposites with silver and/or gold. 2018 , 29, 8970-8977		3	
430	Nitrogen rich hyperbranched polyurethane-carbon nanohorn composite: Implications on the development of multifunctional coatings. 2018 , 39, E772-E779		3	
429	Biosourced lauroyl poly(glycerol-succinate) oligoesters modified by copolymerizable solvents: A wasteless and eco-friendly surfactants properties enhancement. 2018 , 536, 88-95		3	
428	Effect of branching in hyperbranched alkyd on the performance of alkyd polyurethane coating. Journal of Applied Polymer Science, 2018 , 135, 45835	2.9	4	
427	Part IBynthesis of Hyperbranched Polymers: Step-Growth Methods. 2018, 15-63		2	
426	Hyperbranched poly(amido amine) as an effective demulsifier for oil-in-water emulsions of microdroplets. 2018 , 211, 197-205		40	
425	Part IIBynthesis of Hyperbranched Polymers: Mixed Chain-Growth and Step-Growth Methods. 2018 , 65-108			
424	Synthesis and characterization of poly (dihydroxybiphenyl borate) with high char yield for high-performance thermosetting resins. 2018 , 428, 912-923		11	
423	Synthesis of naringin-based polymer brushes via seATRP. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 470-480	3.2	10	
422	Catechol functionalized hyperbranched polymers as biomedical materials. <i>Progress in Polymer Science</i> , 2018 , 78, 47-55	29.6	67	

421	Synthesis of star-shaped poly(n-butyl acrylate) oligomers with coumarin end groups and their networks for a UV-tunable viscoelastic material. 2018 , 56, 9-15		4
420	Synthesis of amphiphilic hyperbranched polyglycerol through thiol-enethemistry and its application on the removal of industrial dyes. 2018 , 205, 82-91		2
419	CoreShell type multi-arm azide polymers based on hyperbranched copolyether as potential energetic materials in solid propellants. 2018 , 67, 68-77		7
418	Cross-linked PVC/hyperbranched polyester composite hollow fiber membranes for dye removal. <i>Reactive and Functional Polymers</i> , 2018 , 122, 51-59	4.6	20
417	The bio-touch: Increasing coating functionalities via biomass-derived components. 2018 , 341, 2-14		4
416	Antibacterial Activity of Nitric Oxide-Releasing Hyperbranched Polyamidoamines. 2018, 29, 35-43		36
415	One-pot synthesis of cobalt-incorporated polyglycerol ester as an antimicrobial agent for polyurethane coatings. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46045	2.9	3
414	Reverse mapping method for complex polymer systems. 2018 , 39, 648-664		10
413	Fabrication of Hyperbranched Block-Statistical Copolymer-Based Prodrug with Dual Sensitivities for Controlled Release. 2018 , 29, 190-202		22
412	Reduction stimuli-responsive unimolecular polymeric prodrug based on amphiphilic dextran-framework for antitumor drug delivery. 2018 , 182, 235-244		35
412			35 7
	dextran-framework for antitumor drug delivery. 2018 , 182, 235-244	4.5	
411	dextran-framework for antitumor drug delivery. 2018, 182, 235-244 . 2018,	4.5	7
411 410	dextran-framework for antitumor drug delivery. 2018, 182, 235-244 . 2018, Design and Synthesis of Hyperbranched Aromatic Polymers for Catalysis. <i>Polymers</i> , 2018, 10, A Novel Thin-Film Nanocomposite Nanofiltration Membrane by Incorporating 3D Hyperbranched		7
411 410 409	dextran-framework for antitumor drug delivery. 2018, 182, 235-244 . 2018, Design and Synthesis of Hyperbranched Aromatic Polymers for Catalysis. <i>Polymers</i> , 2018, 10, A Novel Thin-Film Nanocomposite Nanofiltration Membrane by Incorporating 3D Hyperbranched Polymer Functionalized 2D Graphene Oxide. <i>Polymers</i> , 2018, 10, New phenyl-nickel complexes of bulky 2-iminopyrrolyl chelates: synthesis, characterisation and application as aluminium-free catalysts for the production of hyperbranched polyethylene. 2018,		7 7 13
411 410 409 408	. 2018, Design and Synthesis of Hyperbranched Aromatic Polymers for Catalysis. <i>Polymers</i> , 2018, 10, A Novel Thin-Film Nanocomposite Nanofiltration Membrane by Incorporating 3D Hyperbranched Polymer Functionalized 2D Graphene Oxide. <i>Polymers</i> , 2018, 10, New phenyl-nickel complexes of bulky 2-iminopyrrolyl chelates: synthesis, characterisation and application as aluminium-free catalysts for the production of hyperbranched polyethylene. 2018, 47, 15857-15872 New polymethacrylic nonlinear optical materials containing multichromophores in the side chain.		7 7 13
411 410 409 408 407	dextran-framework for antitumor drug delivery. 2018, 182, 235-244 . 2018, Design and Synthesis of Hyperbranched Aromatic Polymers for Catalysis. <i>Polymers</i> , 2018, 10, A Novel Thin-Film Nanocomposite Nanofiltration Membrane by Incorporating 3D Hyperbranched Polymer Functionalized 2D Graphene Oxide. <i>Polymers</i> , 2018, 10, New phenyl-nickel complexes of bulky 2-iminopyrrolyl chelates: synthesis, characterisation and application as aluminium-free catalysts for the production of hyperbranched polyethylene. 2018, 47, 15857-15872 New polymethacrylic nonlinear optical materials containing multichromophores in the side chain. 2018, 28, 272-274 Hybrid Polymerization of Ring-Opening Metathesis and Cross-Metathesis for Polyolefins with	4.5	7 7 13 13

403	Starlike Branched Polyacrylamides by RAFT Polymerization-Part I: Synthesis and Characterization. 2018 , 3, 18762-18770		7
402	Synthesis and Complexing Properties of p-Toluensulfonylamido and Phosphorylamido Derivatives of Second-Generation Hyperbranched Polyester. 2018 , 88, 2300-2306		1
401	Rational Synthesis of Biobased Hyperbranched Poly(ester)s for Sustained Delivery. 2018, 177-199		1
400	Construction of Functional Hyperbranched Poly(phenyltriazolylcarboxylate)s by Metal-Free Phenylpropiolate-Azide Polycycloaddition. 2018 , 39, e1800604		13
399	Quaterinized hyperbranhced polyvinylbenzylchloride as crosslinker. 2018 , 71, 370-377		1
398	Visible light induced one-pot synthesis of amphiphilic hyperbranched copolymers. <i>Polymer</i> , 2018 , 158, 90-95	3.9	5
397	Preparing hyperbranched polycarboxylate superplasticizers possessing excellent viscosity-reducing performance through in situ redox initialized polymerization method. 2018 , 93, 323-330		14
396	An AB -Type Supramolecular Hyperbranched Polymer Based on Pillar[5]arene Host-Guest Recognition: Construction and Its pH-Responsiveness. 2018 , 39, e1800502		4
395	Main-chain degradable star polymers comprised of pH-responsive hyperbranched cores and thermoresponsive polyethylene glycol-based coronas. <i>Polymer Chemistry</i> , 2018 , 9, 4824-4839	4.9	21
394	Nitric oxide-releasing hyperbranched polyaminoglycosides for antibacterial therapy. 2018 , 1, 1066-1073	3	18
393	Effects of hyperbranched polyamide functionalized graphene oxide on curing behaviour and mechanical properties of epoxy composites. 2018 , 71, 145-155		30
392	1. Shape memory polymers. 2018 , 1-46		
391	Mechanical and flame-retardant properties of biodegradable polylactide composites with hyperbranched silicon-containing polymer. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2529-2536	3.2	10
390	Rheological and thermal behaviours of a hyperbranched polycarbosilane. 2018 , 32, e4443		4
389	Highly branched linear-comb random copolyesters of Eaprolactone and Evalerolactone: Isodimorphism, mechanical properties and enzymatic degradation behavior. 2018 , 155, 173-182		14
388	Dendritic molecules and their use in water repellency treatments of textile materials. 2018 , 191-214		1
387	Dendritic Polymer Micelles for Drug Delivery. 2018 , 311-335		
386	Development of new nonlinear optical polymers based on epoxy- amine oligomers with Bi-chromophore fragments in the side chain. <i>Polymer</i> , 2018 , 149, 253-265	3.9	5

385	Study of Hyperbranched Poly(ethyleneimine) Polymers of Different Molecular Weight and Their Interaction with Epoxy Resin. <i>Materials</i> , 2018 , 11,	14
384	Polyglycerols. 2018 , 103-171	9
383	Origin of Modulus Improvement for Epoxide-terminated Hyperbranched Poly(ether sulphone)/DGEBA/TETA Systems. 2018 , 36, 991-998	1
382	A Hyperbranched Disulfide Polymer as Cathode Material for Lithium-Ion Batteries. 2018 , 165, A1297-A1302	9
381	Relaxation dynamics of generalized scale-free polymer networks. 2018 , 8, 3731	8
380	Hyperbranched Functionalized Polyesters for the Creation of Promising Chemically Modified Sorbents. 2018 , 9, 243-249	1
379	OH- and NH2-Terminated Hyperbranched Polysiloxanes: Controlled Synthesis, Characterization, Toughening, and Reinforcing Epoxy Resin. 2018 , 219, 1800200	7
378	Polymer Architecture: Does It Influence Shear Stability?. <i>Industrial & Does It Influence Shear Stability? Industrial & Does It Influence Shear Stability. Industrial & Does It Influence Shear </i>	3
377	Cationic Hyperbranched Polymers with Biocompatible Shells for siRNA Delivery. 2018 , 19, 3754-3765	17
376	Tunable memory performances of the porphyrin terminated hyperbranched polyimides. 2018 , 56, 1953-1961	3
375	Dendritic polymers for environmental remediation. 2018 , 279-335	4
374	Potential applications of engineered nanoparticles in medicine and biology: an update. 2018 , 23, 1185-1204	74
373	Poly(imide-siloxane)s based on hyperbranched polyimides. 2018 , 18, 105-110	3
372	Hyperbranched Polymers by Light-Induced Self-Condensing Vinyl Polymerization. 2018 , 39, e1800276	16
371	Preparation of branched polystyrene by free radical emulsion polymerization in the presence of functional monomer. 2018 , 1-6	1
370	Direct arylation polymerization: A guide to optimal conditions for effective conjugated polymers. Progress in Polymer Science, 2018 , 83, 135-201	75
369	Salicylic Acid Based Hyperbranched Polyester: Synthesis, Characterization, Optical Properties and Antimicrobial Activity. 2018 , 26, 831-837	6
368	Star-Like Branched Polyacrylamides by RAFT polymerization, Part II: Performance Evaluation in Enhanced Oil Recovery (EOR). <i>Industrial & Enhanced Chemistry Research</i> , 2018 , 57, 8835-8844	18

367	NMR studies of excluded volume interactions in peptide dendrimers. 2018 , 8, 8916		19
366	Synthesis of soluble oligsiloxane-end-capped hyperbranched polyazomethine and their application to CO/N separation membranes. 2018 , 21, 99-104		3
365	Hyperbranched Polymers as Nanocarriers. 2018 , 1-27		
364	Facile Synthesis of Hyperbranched Polymers by Sequential Polycondensation. 2018 , 7, 778-782		10
363	Prediction of the Phase Behavior of Hyperbranched Polymer Solutions by the Group Contribution Method. 2018 , 52, 447-458		1
362	Hyperbranched Polymers with Controllable Topologies for Drug Delivery. 2018 , 13, 3341-3350		14
361	Synthesize Hyperbranched Polymers Carrying Two Reactive Handles via CuAAC Reaction and Thiol E ne Chemistry. 2019 , 220, 1900221		2
360	Dendrimers and hyper-branched polymers interacting with clays: fruitful associations for functional materials. 2019 , 7, 19634-19650		16
359	Relaxation dynamics of semiflexible treelike small-world polymer networks. 2019 , 100, 022501		1
358	Effect of Macromonomer Branching on Structural Features and Solution Properties of Long-Subchain Hyperbranched Polymers: The Case of Four-Arm Star Macromonomers. <i>Macromolecules</i> , 2019 , 52, 6566-6577	5.5	5
357	Silane-functionalized graphene oxide/epoxy resin nanocomposites: Dielectric and thermal studies. Journal of Applied Polymer Science, 2019 , 136, 48253	2.9	5
356	A glimpse of biodegradable polymers and their biomedical applications. 2019 , 19, 385-410		40
355	Wet-Dry Cycling Delays the Gelation of Hyperbranched Polyesters: Implications to the Origin of Life. 2019 , 9,		9
354	Hyperbranched Polymers in Modifying Natural Plant Fibers and Their Applications in Polymer Matrix Composites-A Review. 2019 , 67, 8715-8724		17
353	Nanocarrier systems assembled from PEGylated hyperbranched poly(arylene oxindole). 2019 , 119, 247-	259	5
352	Synthesis of amphiphilic, Janus diblock hyperbranched copolyamides and their self-assembly in water. <i>Polymer Chemistry</i> , 2019 , 10, 4246-4251	4.9	6
351	The Structure and Properties of a Novel Hydroxyl-Terminated Hyperbranched Polymer for Inhibiting Shale Hydration. <i>ChemistrySelect</i> , 2019 , 4, 11239-11246	1.8	2
350	Increasing the hydrophilicity of star-shaped amphiphilic co-networks by using of PEG and dendritic s-PCL cross-linkers. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 2790-2801	3.2	8

349	Novel green route towards polyesters-based resin by photopolymerization of star polymers. 2019 , 13, 1104-1115		3
348	Aromatic vs. Aliphatic Hyperbranched Polyphosphoesters as Flame Retardants in Epoxy Resins. <i>Molecules</i> , 2019 , 24,	4.8	11
347	Amphiphilic hyperbranched polymers. 2019 , 111-128		O
346	Phase-Change Reversible Absorption of Hydrogen Sulfide by the Superbase 1,5-Diazabicyclo[4.3.0]non-5-ene in Organic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1701-1710	3.9	2
345	Nanostructured Materials for Intracellular Cargo Delivery. 2019 , 52, 2462-2471		44
344	Design and synthesis of chiral hyperbranched polymers containing cinchona squaramide moieties and their catalytic activity in the asymmetric Michael addition reaction. 2019 , 377, 543-549		8
343	Multimicelle aggregate mechanism for spherical multimolecular micelles: from theories, characteristics and properties to applications. 2019 , 3, 1994-2009		19
342	Gelation Suppression in RAFT Polymerization. <i>Macromolecules</i> , 2019 , 52, 7005-7015	5.5	6
341	Kinetics of Radical Chain Polymerization: 2. Linear Waves of Macroradical Growth. 2019 , 53, 341-350		3
340	Barbier Hyperbranching Polymerization-Induced Emission toward Facile Fabrication of White Light-Emitting Diode and Light-Harvesting Film. 2019 , 141, 16839-16848		41
339	Polymer nanoparticles of N-vinylpyrrolidone loaded with an organic aminonitroxyl platinum (iv) complex. Characterization and investigation of their in vitro cytotoxicity. 2019 , 68, 1769-1779		9
338	Magnetic particle ornamented dual stimuli responsive nanogel for controlled anticancer drug delivery. 2019 , 43, 3026-3037		11
337	Crystalline Facet-Directed Generation Engineering of Ultrathin Platinum Nanodendrites. 2019 , 10, 663-	671	31
336	How Does the Branching Effect of Macromonomer Influence the Polymerization, Structural Features, and Solution Properties of Long-Subchain Hyperbranched Polymers?. <i>Macromolecules</i> , 2019 , 52, 1065-1082	5.5	15
335	One-Step Synthesis of Dendritic Highly Branched Polystyrenes by Organotellurium-Mediated Copolymerization of Styrene and a Dienyl Telluride Monomer. 2019 , 58, 3952-3956		16
334	One-Step Synthesis of Dendritic Highly Branched Polystyrenes by Organotellurium-Mediated Copolymerization of Styrene and a Dienyl Telluride Monomer. 2019 , 131, 3992-3996		4
333	Synthesis and function of amphiphilic glucan dendrimers as nanocarriers for protein delivery. 2019 , 7, 1617-1622		7
332	Injectable Poly(oligoethylene glycol methacrylate)-Based Hydrogels Fabricated from Highly Branched Precursor Polymers: Controlling Gel Properties by Precursor Polymer Morphology. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 369-380	4.3	6

331	Preparation of silver nanoparticles with hyperbranched polymers as a stabilizer for inkjet printing of flexible circuits. 2019 , 43, 2797-2803		12
330	Constructing efficient polycationic gene carriers through regulating the physicochemical properties. 2019 , 11, 269-282		11
329	Branched polystyrenes from suspension Btrathclyde[bolymerization using a vulcanization accelerator as a chain transfer agent. <i>Polymer Chemistry</i> , 2019 , 10, 885-890	4.9	3
328	Self-assembled polymeric micelles as amphiphilic particulate emulsifiers for controllable Pickering emulsions. 2019 , 3, 356-364		29
327	Kinetic Model and Synthesis of Hyperbranched Polyurethane Acrylates from Monomers A2 and B3 with End-Capping Molecules BR. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 11763-11769	3 .9	3
326	Recent advances in the polymerization of elemental sulphur, inverse vulcanization and methods to obtain functional Chalcogenide Hybrid Inorganic/Organic Polymers (CHIPs). <i>Polymer Chemistry</i> , 2019 , 10, 4078-4105	4.9	102
325	Comprehensive branching analysis of star-shaped polystyrenes using a liquid chromatography-based approach. 2019 , 411, 5063-5078		4
324	Hyperbranched Conjugated Polymer Dots: The Enhanced Photocatalytic Activity for Visible Light-Driven Hydrogen Production. <i>Macromolecules</i> , 2019 , 52, 4376-4384	5.5	34
323	Biopeptide Hyperbranched Polyether Assembled from Lactic Acid, Glutamic Acid and Polyethylene Glycol Block Chains for Drug Loading. 2019 , 27, 1095-1103		1
322	Light Scattering Study of Internal Dynamics of Hyperbranched Polymers with Controlled Branching Patterns and Low Polydispersities in Dilute Solutions. <i>Macromolecules</i> , 2019 , 52, 3794-3804	5.5	6
321	Synthesis of Novel pH-Tunable Thermoresponsive Hydroxyl-Terminated Hyperbranched Polyether. <i>Polymers</i> , 2019 , 11,	4.5	1
320	Solvent-free bulk polymerization of lignin-polycaprolactone (PCL) copolymer and its thermoplastic characteristics. 2019 , 9, 7033		12
319	A facile route to synthesize hyperbranched polyester derived from cellulose and serine and its biodegradability. <i>Reactive and Functional Polymers</i> , 2019 , 140, 62-71	4.6	1
318	Hydrophilicity Tunable Hyperbranched Polymers by Visible Light Induced Self-Condensing Vinyl Polymerization. 2019 , 220, 1900055		5
317	Self-assembly of linear-hyperbranched hybrid block polymers: crystallization-driven or solvent-driven?. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	5
316	Copper complex of polyglycerol anchored to graphene oxide as a recyclable nanocatalyst for sonochemical green synthesis of naphthoquinones. 2019 , 97, 728-736		2
315	Polymeric and low molecular weight shale inhibitors: A review. 2019 , 251, 187-217		80
314	Heterogeneous High-Loading Hyperbranched Polyglycidol with Peripheral NHCPd Complex: Synthesis and Application as Catalyst in Suzuki Coupling Reaction. 2019 , 149, 1952-1964		13

313	Multiple-Responsive Dendronized Hyperbranched Polymers. 2019 , 4, 7667-7674		5
312	Homogeneous catalysis with phosphorus dendrimer complexes. 2019 , 389, 59-72		18
311	Synthesis and Characterizations of s-Triazine Polymeric Complexes Including Epoxy Groups: Investigation of Their Magnetic and Thermal Properties. 2019 , 29, 1701-1715		3
310	Advances in atom-transfer radical polymerization for drug delivery applications. 2019 , 115, 45-58		27
309	Amine-terminated dendritic polymers as a multifunctional chelating agent for heavy metal ion removals. 2019 , 26, 12689-12697		11
308	Hyperbranched Polycaprolactone through RAFT Polymerization of 2-Methylene-1,3-dioxepane. <i>Polymers</i> , 2019 , 11,	4.5	13
307	Hyperbranched polymer lilver nanohybrid induce super antibacterial activity and high performance to cotton fabric. 2019 , 26, 3543-3555		31
306	Responsive and Degradable Highly Branched Polymers with Hypervalent Iodine(III) Groups at the Branching Points. 2019 , 40, e1900073		5
305	Smart triblock dendritic unimolecular micelles as pioneering nanomaterials: Advancement pertaining to architecture and biomedical applications. 2019 , 299, 64-89		22
304	Structure and inhibition properties of a new amine-terminated hyperbranched oligomer shale inhibitor. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47573	2.9	4
303	Radical polymerization in the presence of peroxide and reducing agent monomer for branched polymers. 2019 , 57, 833-840		2
302	A personal journey on using polymerization in aqueous dispersed media to synthesize polymers with branched structures. 2019 , 30, 1996-2002		3
301	Synthesis of Highly Branched Copolymers in Microemulsion. 2019 , 220, 1800546		5
300	The effect of self-synthesized hydroxyl-terminated hyperbranched polymer interface layer on the properties of carbon fiber reinforced epoxy composites. 2019 , 479, 334-343		26
299	Employing Heterocyclic Hypervalent Iodine Compounds with I?Cl Bonds as Initiators and Chain Transfer Agents in the Synthesis of Branched Polymers. 2019 , 220, 1800471		2
298	Influence of the content of n-butanol on the critical conversion of gel formation during li ving three-dimensional radical co-polymerization of styrene and divinylbenzene. 2019 , 525, 012025		
297	Synthesis and identification of a novel hyper branched polymers containing melamine derivative. 2019 , 571, 012092		1
296	Study of hyperbranched polymer on POM-based binder in metal injection molding. 2019 , 6, 125377		2

295	Synthesis of Resins Using Epoxies and Humins as Building Blocks: A Mechanistic Study Based on In-Situ FT-IR and NMR Spectroscopies. <i>Molecules</i> , 2019 , 24,	.8	7
294	Fifth Generation Polyurethane Dendrimers Decorated with Protected Amine, Free Amine and Blocked Isocyanate End Groups: Synthesis and Electrolytic Performance to Increase the Efficiency of Dye-Sensitized Solar Cell. <i>ChemistrySelect</i> , 2019 , 4, 12983-12991	.8	4
293	Rheological and thermal degradation properties of hyperbranched polyisoprene prepared by anionic polymerization. 2019 , 6, 190869		11
292	Kinetic theory of A2+B3+B2 type hyperbranched polymerization. <i>Polymer</i> , 2019 , 185, 121985 3.	.9	3
291	2. Antibacterial activity of amphiphilic polymers. 2019 , 33-56		
290	First phosphorus AB2 monomer for flame-retardant hyperbranched polyphosphoesters: AB2vs. A2 + B3. <i>Polymer Chemistry</i> , 2019 , 10, 5920-5930	.9	14
289	Study of phenyl-terminated hyperbranched polyester as a special flucleating agent on the toughness of isotactic polypropylene. 2019 , 59, E133-E143		3
288	A review of application of amine-terminated dendritic materials in textile engineering. 2019 , 110, 460-467	7	17
287	Site-Specifically Initiated Controlled/Living Branching Radical Polymerization: A Synthetic Route toward Hierarchically Branched Architectures. 2019 , 141, 794-799		29
286	Thermodynamic properties of polymethylsilsesquioxane nanogels with blocking trimethylsilyl groups. 2019 , 131, 572-582		1
285	Inhaled Nanoformulated mRNA Polyplexes for Protein Production in Lung Epithelium. 2019 , 31, e1805116	5	118
284	Click Chemistry in Macromolecular Design: Complex Architectures from Functional Polymers. 2019 , 2, 195-214		23
283	Self-assembly of Amphiphilic Alternating Copolymers. 2019 , 25, 4255-4264		27
282	Cross-linked polymer electrolyte and its application to lithium polymer battery. 2019 , 296, 1018-1026		19
281	Preparation of mussel-inspired biopolyester adhesive and comparative study of effects of meta- or para-hydroxyphenylpropionic acid segments on their properties. <i>Polymer</i> , 2019 , 165, 152-162	.9	7
280	Poly(benzoxazine-f-chitosan) films: The role of aldehyde neighboring groups on chemical interaction of benzoxazine precursors with chitosan. 2019 , 209, 122-129		35
279	Ocular adhesives: Design, chemistry, crosslinking mechanisms, and applications. 2019 , 197, 345-367		42
278	Hyperbranched unsaturated polyester amide synthesized by two-step method. 2019 , 48, 29-35		O

277	Impact of branching unit structure on the cloud point of highly branched polymers with lower critical solution temperature behavior. 2019 , 111, 63-68		2
276	Architecture-transformable polymers: Reshaping the future of stimuli-responsive polymers. <i>Progress in Polymer Science</i> , 2019 , 89, 61-75	29.6	132
275	Design and fabrication of thin polymer coating on cotton fabric surface to impart hydrophobicity: An admicellar polymerization approach. 2019 , 24, 32-39		2
274	Self-condensing vinyl polymerization of a switchable chain transfer monomer for facile synthesis of star-shaped block copolymers. 2019 , 474, 187-193		8
273	Novel hyperbranched poly(urethanelimide)s with enhanced thermal, mechanical, and UV-shielding properties. 2019 , 31, 137-147		O
272	Polyaniline salt catalyzed synthesis of hyperbranched polyester and its use as dopant in polyaniline salt for coating, fluorescence, and supercapacitor electrode. 2019 , 25, 191-202		7
271	Branched and Dendritic Polymer Architectures: Functional Nanomaterials for Therapeutic Delivery. 2020 , 30, 1901001		66
270	Comparison of thermal, thermomechanical, and rheological properties of blends of divinylbenzene-based hyperbranched and linear functionalized polymers. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48547	2.9	2
269	Cross-linked Polyamides Prepared through Direct Bulk Michael Addition and Polycondensation from 1,6-Hexanediamine and Methyl Acrylate. 2020 , 38, 143-150		1
268	Supramolecular host@uest carrier based on maltose-modified hyperbranched polymer and polyelectrolyte multilayers: toward stable and reusable glucose biosensor. 2020 , 77, 3143-3170		2
267	Synthesis and properties of long-chain-branched poly(aryl ether sulfone)-poly(tetrahydrofuran) multiblock copolymers. <i>Polymer Journal</i> , 2020 , 52, 179-188	2.7	1
266	Classification of Plasticizers. 2020 , 13-44		
265	Synthesis and Characterization of Meltable and Soluble Reticulating Polysilazane Modified via Melamine Toward SiCN Ternary Ceramics. 2020 , 30, 2017-2026		2
264	Hyperbranched polydisulfides. <i>Polymer Chemistry</i> , 2020 , 11, 990-1000	4.9	8
263	A renewable dynamic covalent network based on itaconic anhydride crosslinked polyglycerol: Adaptability, UV blocking and fluorescence. 2020 , 385, 123960		9
262	Novel functional graphene and its thermodynamic interfacial localization in biphasic polyolefin systems for advanced lightweight applications. 2020 , 188, 107958		16
261	Regenerated Cellulose Films with Amino-Terminated Hyperbranched Polyamic Anchored Nanosilver for Active Food Packaging 2020 , 3, 602-610		19
260	The synthesis and characterization of s-Triazine polymer complexes containing epoxy groups. 2020 , 1203, 127370		2

(2020-2020)

259	Recyclable Palladium-Loaded Hyperbranched Polytriazoles as Efficient Polymer Catalysts for Heck Reaction. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 677-684	4.3	5
258	Kinetic model of hyperbranched polymers formed by self-condensing vinyl polymerization of inimers and trifunctional cores with different reactivities in a continuous-stirred tank reactor. 2020 , 147, 107739		1
257	WaterAlcohol-Soluble Hyperbranched Polyelectrolytes and Their Application in Polymer Solar Cells and Photocatalysis. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 12-18	4.3	23
256	Shape memory properties of interpenetrating polymer networks (IPNs) based on hyperbranched polyurethane (HBPU). 2020 , 123, 109393		13
255	Advances in amphiphilic hyperbranched copolymers with an aliphatic hyperbranched 2,2-bis(methylol)propionic acid-based polyester core. <i>Polymer Chemistry</i> , 2020 , 11, 964-973	4.9	8
254	Antifouling and antimicrobial polyethersulfone/hyperbranched polyester-amide/Ag composite 2020 , 10, 24169-24175		2
253	Synthesis of Hyperbranched Polyisoprene by Isoprene/Dimethyl-di-2,4-Pentadieneyl-(E,E)-Silane Copolymerization Catalyzed with Half-Sandwich Scandium Complex. 2020 , 221, 2000119		1
252	Polymeric micelles for anticancer drug delivery. 2020 , 11, 613-635		51
251	Protoenzymes: The Case of Hyperbranched Polymer-Scaffolded ZnS Nanocrystals. 2020 , 10,		5
250	Thermosetting resins for carbon-containing refractories: Theoretical basis and novel insights. 2020 , 3, 100025		5
249	Universal size ratios of Gaussian polymers with complex architecture: radius of gyration vs hydrodynamic radius. 2020 , 10, 14127		11
248	Study on the adsorption mechanism of benzoylurea insecticides onto modified hyperbranched polysilicon materials 2020 , 10, 28664-28673		2
247	Stepwise Like Supramolecular Polymerization of Plasmonic Nanoparticle Building Blocks through Complementary Interactions. <i>Macromolecules</i> , 2020 , 53, 7469-7478	5.5	4
246	Enhancing hydrophilicity and comprehensive antifouling properties of microfiltration membrane by novel hyperbranched poly(N-acryoyl morpholine) coating for oil-in-water emulsion separation. <i>Reactive and Functional Polymers</i> , 2020 , 156, 104735	4.6	7
245	Efficient Preparation of Branched Block Copolymer Assemblies by Photoinitiated RAFT Self-Condensing Vinyl Dispersion Polymerization. <i>Macromolecules</i> , 2020 , 53, 9725-9735	5.5	16
244	Nanofabrication within unimolecular nanoreactors. 2020 , 12, 12698-12711		5
243	Shape analysis of random polymer networks. 2020 , 32, 335102		
242	Recent advances on synthesis and biomaterials applications of hyperbranched polymers. 2020 , 12, e16	40	7

241	Hyperbranched polyurethane acrylates synthesized via copolymerization of monomers A2 and B3 with monofunctional compound BR added gradually at different rates. 2020 , 60, 1138-1145	О
240	Reactivity-controlled synthesis of A2 + B3 type soluble hyperbranched polymers from aromatic diamines and cyanuryl chloride via a coupled monomer method. 2020 , 24, 101043	4
239	Highly Branched Copolymers with Degradable Bridges for Antifouling Coatings. 2020 , 12, 16849-16855	13
238	Degradable branched polycationic systems for nucleic acid delivery. 2020 , 12, e1631	2
237	Chemical and physical characteristic of modified cotton and linen fabrics with amine-terminated dendritic polymer. 2020 , 451-467	
236	Theoretical study of thermoresponsive dendritic polymeric micelles: Micellar phase control and the extraction of organic molecules by temperature effects. 2020 , 127, 109596	1
235	CO2 capture adsorbents functionalized by amine (bearing polymers: A review. 2020 , 96, 103005	79
234	Enhancing the Performance of an HTPE Binder by Adding a Novel Hyperbranched Multi-Arm Azide Copolyether. 2020 , 45, 1065-1076	5
233	Study of mechanical properties in relation to microrheological behaviour of polystyrenes with different polymer chain structures. 2020 , 24, 186-191	1
232	A functional hyperbranched binder enabling ultra-stable sulfur cathode for high-performance lithium-sulfur battery. 2020 , 50, 63-72	19
231	Site-Selective, Multistep Functionalizations of CO-Based Hyperbranched Poly(alkynoate)s toward Functional Polymetric Materials. 2020 , 7, 2000465	14
230	Synthesis of Hyperbranched Polymers via Metal-Free ATRP in Solution and Microemulsion. 2020 , 221, 2000008	8
229	In situ preparation of non-viral gene vectors with folate/magnetism dual targeting by hyperbranched polymers. 2020 , 127, 109584	1
228	Manipulating the Polymerization of 3,5-Diaminobenzoic Acid with a Bromate Oscillator. 2020 , 124, 4637-4643	2
227	Amphiphilic hyperbranched polymers: synthesis, characterization and self-assembly performance. 2020 , 2,	1
226	Structure and Properties of PSf Hollow Fiber Membranes with Different Molecular Weight Hyperbranched Polyester Using Pentaerythritol as Core. <i>Polymers</i> , 2020 , 12,	2
225	Synthesis and functionalization of hyperbranched polymers for targeted drug delivery. 2020 , 321, 285-311	40
224	Functionalized Ecarrageenan/hyperbranched poly(amidoamine)for protease immobilization: Thermodynamics and stability studies. 2020 , 148, 1140-1155	18

223	Multilayer onion-like vesicles self-assembled from amphiphilic hyperbranched multiarm copolymers via simulation. <i>Journal of Polymer Science</i> , 2020 , 58, 704-715	2.4	5
222	Model of hyperbranched polymers prepared via polymerization of AB2 and core C3 monomers in a continuous-stirred tank reactor. 2020 , 155, 40-47		1
221	Dendritic poly(silylene arylacetylene) resins based on 1,3,5-triethynylbenzene. 2020 , 129, 109628		11
220	Design and synthesis of cinchona-based chiral hyperbranched polymers and their application in asymmetric reactions. 2020 , 76, 131247		3
219	Synthesis of Structurally Controlled, Highly Branched Polymethacrylates by Radical Polymerization through the Design of a Monomer Having Hierarchical Reactivity. <i>Macromolecules</i> , 2020 , 53, 3209-3216	5.5	7
218	Clean synthesis of linear and star amphiphilic poly(Etaprolactone)-block-poly(ethyl ethylene phosphonate) block copolymers: assessing self-assembly and surface activity. 2020 , 22, 3248-3261		5
217	Synthesis of hyperbranched polyphenylenes using aryl dichloride monomers by Suzuki polycondensation. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 1875-1882	3.2	1
216	Ionization and Complexing Properties of Hyperbranched Polyester Poly[3-(2-aminoethyl)amino)]propionate. 2020 , 90, 425-433		Ο
215	OPTIMIZED ELECTRONIC POLYMERS, SMALL MOLECULES, COMPLEXES, AND ELASTOMERS FOR ORGANIC ELECTRONIC SYSTEMS. 2020 , 49-184		
214	Fabrication and Characterisation of gemcitabine hydrochloride loaded magnetically responsive mesoporous silica nanocomposites as smart hybrid theranostic platform for treatment of pancreatic cancer. 2021 , 36, 145-152		8
213	Demulsification of O/W emulsion using a novel polyether-polyquaternium copolymer: effect of the demulsifier structure and solution environment conditions. 2021 , 56, 811-820		3
212	Highly Branched Polydimethylacrylamide Copolymers as Functional Biomaterials. 2021, 22, 86-94		5
211	Controlled radical copolymerization of multivinyl crosslinkers: a robust route to functional branched macromolecules. 2021 , 70, 14-23		4
210	Theoretical Methods of the Size Distribution Function for the Products of Hyperbranched Polymerization. 2021 , 30, 2000039		2
209	Study of coating performance of bio-based hyperbranched polyester polyol/graphene oxide composites in PU-coating. 2021 , 58, 81-89		6
208	Adsorptive removal of oil drops from ASP flooding-produced water by polyether polysiloxane-grafted ZIF-8. 2021 , 378, 76-84		16
207	Fabrication of antifouling thin-film composite nanofiltration membrane via surface grafting of polyethyleneimine followed by zwitterionic modification. 2021 , 619, 118564		18
206	Hyperbranched Bisphosphonate-Functional Polymers via Self-Condensing Vinyl Polymerization and Postpolymerization Multicomponent Reactions. 2021 , 42, e2000578		2

205	Hyperbranched Poly(Glycidol)-Grafted Silica Nanoparticles for Enhancing Li-Ion Conductivity of Poly(Ethylene Oxide). 2021 , 306, 2000572		1
204	Preparation of hyperbranch-structured polyester fiber via thiol-ene click reaction under UV light irradiation for asphalt binder modification. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50135	2.9	4
203	Nanogel Encapsulated Hydrogels As Advanced Wound Dressings for the Controlled Delivery of Antibiotics. 2021 , 31, 2006453		12
202	Distributions of Molecular Weights and 3D Sizes of Hyperbranched Polymers Formed in Batch Self-Condensing Vinyl Polymerization. 2021 , 30, 2000052		
201	Multiarm Star Polymers. Fundamental Aspects. A Review. 2021 , 496, 1-17		1
200	Nanotechnology. 2021 , 623-632		
199	Eco-friendly and efficient flame-retardant cotton fabric based on a multi-hydroxyl hyperbranched phosphoramidate. 2021 , 28, 1857-1872		5
198	Synthesis and characterization of fully biobased polyesters with tunable branched architectures. <i>Polymer Chemistry</i> , 2021 , 12, 991-1001	4.9	4
197	Melting centrifugally spun ultrafine poly butylene adipateterephthalate (PBAT) fiber and hydrophilic modification 2021 , 11, 27019-27026		3
196	Hyperbranched polymer hydrogels with large stimuli-responsive changes in storage moduli and peroxide-induced healing. <i>Polymer Chemistry</i> ,	4.9	O
195	Development of energy harvesting piezoelectric sensors based on electrospun polyvinylidene fluoride/aliphatic hyperbranched polyester (Gen-1) (80/20) blend. 2021 , 47, 914-920		2
194	Dendrimers: A Novel Nanomaterial. 2021 , 411-449		
193	Diselenide¶ne polymerization for multifunctional selenium-containing hyperbranched polymers. <i>Polymer Chemistry</i> , 2021 , 12, 3383-3390	4.9	4
192	Thermally-induced hyperbranching of bromine-containing polyesters by insertion of generated chain-end carbenes. 2021 , 57, 4275-4278		1
191	Red-sensitive organic nanoparticle-polymer composite materials for volume holographic gratings with large refractive index modulation amplitudes. 2021 , 11, 614		3
190	Research Progress on Synthesis and Application of Cyclodextrin Polymers. <i>Molecules</i> , 2021 , 26,	4.8	6
189	Superstrong Adhesive of Isocyanate-Free Polyurea with a Branched Structure. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1638-1651	4.3	7
188	Novel Hyperbranched Polyimides Bearing Bis(trifluoromethyl)-triphenylamine Moiety: Preparation and Rewritable Nonvolatile Memory Behaviours. <i>ChemistrySelect</i> , 2021 , 6, 2516-2522	1.8	О

187	A Comprehensive Review of HCN-Derived Polymers. 2021 , 9, 597	8
186	Hyperbranched Polymer-based Nanocomposites: Synthesis, Progress, and Applications. 2021 , 147, 110301	11
185	Synthesis and properties of star-shaped polyesters for high-solid-content two-component polyurethane wood coatings. 2021 , 58, 550-556	2
184	Hybrid Materials Based on Dimethylbiguanide (Metformin) and Copolymer of N-Vinylpyrrolidone with Triethylene Glycol Dimethacrylate. 2021 , 63, 106-116	1
183	Blending of cyclic carbonate based on soybean oil and glycerol: a non-isocyanate approach towards the synthesis of polyurethane with high performance. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2
182	Effect of temperature on the equilibrium solubility of dimethylolpropionic acid: Measurement, correlation, thermodynamic analysis and solvent selection. 2021 , 328, 115462	5
181	pyPolyBuilder: Automated Preparation of Molecular Topologies and Initial Configurations for Molecular Dynamics Simulations of Arbitrary Supramolecules. 2021 , 61, 1539-1544	3
180	Solid-state polymerization of diaminomaleonitrile: Toward a new generation of conjugated functional materials. <i>Polymer</i> , 2021 , 223, 123696	4
179	Origin of the Anisotropy and Structure of Ellipsoidal Poly(fluorene) Nanoparticles. <i>Macromolecules</i> , 2021 , 54, 5267-5277	2
178	Synthesis of branched polyisobutylenes via cationic copolymerization of p-chloromethylstyrene and isobutylene. <i>Journal of Polymer Science</i> , 2021 , 59, 1424-1433	
177	Shape memory polymer nanocomposite: a review on structureproperty relationship. 1	4
176	Novel preparation of ferromanganese oxide based on hyperbranched polymer for peroxymonosulfate activation as a robust catalyst for the degradation of organic pollutants. 2021 , 22, 101435	4
175	Practical synthesis of dendritic hyperbranched polymers by reversible deactivation radical polymerization. <i>Polymer Journal</i> , 2021 , 53, 847-864	3
174	Studies on electrospun polyvinylidene fluoride/aliphatic hyperbranched polyester (Generation-1) blend based piezoelectric sensors. 2021 , 50, 90-90	
173	Heteroaromatic Hyperbranched Polyelectrolytes: Multicomponent Polyannulation and Photodynamic Biopatterning. 2021 , 133, 19371-19380	2
172	Hyperbranched and Hyperstar Polybutadienes via Anionic Self-Condensing Vinyl Copolymerization. <i>Macromolecules</i> , 2021 , 54, 5774-5783	3
171	Heteroaromatic Hyperbranched Polyelectrolytes: Multicomponent Polyannulation and Photodynamic Biopatterning. 2021 , 60, 19222-19231	9
170	Combining Hyperbranched and Linear Structures in Solid Polymer Electrolytes to Enhance Mechanical Properties and Room-Temperature Ion Transport. 2021 , 9, 563864	1

169	A Unified Theoretical Treatment on Statistical Properties of the Semi-batch Self-condensing Vinyl Polymerization System. 1		
168	Silicon-assisted unconventional fluorescence from organosilicon materials. 2021 , 438, 213887		9
167	Metal-Free Organocatalyzed Atom Transfer Radical Polymerization: Synthesis, Applications, and Future Perspectives. 2021 , 42, e2100221		6
166	Intramolecular cyclization in hyperbranched star copolymers via one-pot Am+Bn+C1 step-growth polymerization resulting in decreased cyclic defect. 2021 , 155, 110539		1
165	High-strain-rate mechanical performance of particle- and fiber-reinforced polymer composites measured with split Hopkinson bar: A review. 2021 , 42, 4932		2
164	Clickable 2,2-bis(hydroxymethyl)propionic acid-derived AB2 monomers: Hyperbranched polyesters through the CuAAC cycloaddition (click) reaction. <i>Journal of Polymer Science</i> , 2021 , 59, 2014-2022	2.4	2
163	Hyperbranched flame retardant to simultaneously improve the fire-safety, toughness and glass transition temperature of epoxy resin. 2021 , 157, 110638		5
162	Latest research and developing tendency of hyperbranched polymers fabrication. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	
161	Hyperbranched Polyphenylene as an Electrode for Li-Ion Batteries. 2021 , 9, 2100374		1
160	Synthesis of azidopropargylamino-substituted 1,3,5-triazines hovel monomers for the production of energetic polymers. 2021 , 57, 866-870		1
159	Expanding the Scope of Polymerization-Induced Self-Assembly: Recent Advances and New Horizons. 2021 , 42, e2100498		20
158	New complexes of metformin based on the copolymer of N-vinylpyrrolidone with triethylene glycol dimethacrylate and their activity in experimental type 2 diabetes mellitus. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	O
157	Advances in versatile anti-swelling polymer hydrogels. 2021 , 127, 112208		12
156	Dendritic polyurea microcapsule: a slow release nitrogenous fertilizer. 2021 , 30, 1309		1
155	Preparation and properties of high-performance fast-growing wood modified by exfoliated organo-montmorillonite in waterborne hyperbranched polyacrylate emulsion. 2021 , 298, 123868		1
154	Properties and solvatochromic change of crosslinked polyamide complexes synthesized through Michael addition and coordination. 2021 , 28, 102492		2
153	Stable construction of layered reduced grapheme oxide/copper sulfide composites on cellulose fibers with hyperbranched polyamide-amine for efficient photocatalytic degradation of organic dyes. 2021 , 170, 113695		3
152	Understanding the significant role of Si O Si bonds: Organosilicon materials as powerful platforms for bioimaging. 2021 , 447, 214166		4

151	Cutting-edge development in dendritic polymeric materials for biomedical and energy applications. 2021 , 160, 110770	24
150	Hyperbranched flame retardant for epoxy resin modification: Simultaneously improved flame retardancy, toughness and strength as well as glass transition temperature. 2022 , 428, 131226	16
149	Electroanalytical study of five carbosilane dendrimers at the interface between two immiscible electrolyte solutions. 2021 , 146, 1376-1385	O
148	Effective SARS-CoV-2 antiviral activity of hyperbranched polylysine nanopolymers. 2021 , 13, 16465-16476	2
147	From Star-Like to Dendrimer-Like Polymers. 2012 , 819-840	1
146	Hyperbranched Polymers Containing Transition Metals: Synthetic Pathways and Potential Applications. 2008 , 21-35	3
145	The Role of Silicon in Dendritic Polymer Chemistry. 2009 , 1-20	2
144	Encyclopedia of Polymeric Nanomaterials. 2013 , 1-4	1
143	Click Chemistry and Step-Growth Polymerization: The Ideal Combination for the Rejuvenation of Industrial Polymers. 2009 , 145-164	1
142	Biobased alkyd/graphene oxide decorated with MnO2 nanorods as a robust ternary nanocomposite for surface coating. 2020 , 601, 125057	5
141	Low-temperature synthesis and gas transport properties of novel contorted hyperbranched polyimides containing binaphthyl structures. 2020 , 248, 117088	7
140	Gel Point Suppression in RAFT Polymerization of Pure Acrylic Cross-Linker Derived from Soybean Oil. 2016 , 17, 2701-9	23
139	Chapter 7:Polymeric Ionic Liquids with Micelle-like Topologies and Functions. 2016 , 259-285	2
138	CHAPTER 3:Metal-free AzideAlkyne Click Polymerization. 2018 , 86-121	1
137	CHAPTER 5:Thiol-yne Click Polymerization. 2018 , 167-190	1
136	Chapter 5:Functional Hyperbranched Polymers for Drug and Gene Delivery. 2013 , 121-143	2
135	Very high contrast volume holographic gratings recorded in photopolymerizable nanocomposite materials. 2020 , 28, 28366-28382	5
134	Application of Glycerol in the Synthesis of Hyperbranched and Highly Branched Polyethers: Characterization, Morphology and Mechanism Proposal. 2019 , 22,	2

133	[Biochemical activity hyperbranched polyol Boltorn H20 and polycarboxyBoltorn H20 in relation to aspartic proteinase of Candida albicans]. 2010 , 56, 552-61	3
132	INVESTIGATION ON MOLECULAR STRUCTURES AND CURING PERFORMANCES OF HYPERBRANCHED POLY(ESTER-AMINE)S. 2006 , 006, 189-192	1
131	SYNTHESIS AND CHARACTERIZATION OF UV CURABLE HYPERBRANCHED POLY(SILOXYSILANE). 2010 , 006, 1024-1028	3
130	in situ POLYMERIZATION AND CHARACTERIGATION OF HIGH FLUIDITY NYLON 6 CONTAINING LOW CONTENT OF PAMAM UNITS. 2008 , 008, 288-291	1
129	SYNTHESIS,CHARACTERIZATION AND THERMAL STABILITY OF HYPERBRANCHED POLYFLUORENES CONTAINING STERICALLY HINDERED GROUPS. 2008 , 008, 537-543	1
128	QUADRUPOLAR HYDROGEN BONDED HYPERBRANCHED POLYMERS AND THEIR COATING MATERIALS. 2009 , 009, 93-96	1
127	STUDIES ON THE BRANCHING ATOM TRANSFER RADICAL POLYMERIZATION USING DIFFERENT DIVINYL MONOMERS AS THE BRANCHING AGENT. 2011 , 011, 1253-1257	2
126	STUDIES ON THE BRANCHING STRUCTURE OF POLYMERS USING DIVINYL MONOMERS AS THE BRANCHING AGENT. 2012 , 012, 749-753	1
125	SYNTHESIS AND CONTROLLED PHASE TRANSITION BEHAVIOR OF THERMOSENSITIVE HYPERBRANCHED POLY(TETRAHYDROFURAN-co-GLYCIDOL). 2013 , 013, 456-461	1
124	Aggregation Behavior of Amphiphilic PAMAM-Based Hyperbranched Polymer in the Presence of Conventional Small Molecular Surfactants. 2013 , 03, 11-18	12
123	Synthesis and Characterization of Degradable Polycationic Polymers as Gene Delivery Carriers. 2007 , 28, 63-67	5
122	Hyperbranched Poly(aryl ester)s as Developer Materials for Thermal Printing System. 2013 , 34, 1225-1231	6
121	Synthesis of porphyrins as precursors to PAMAM dendrimers and their metal chelating properties. 2016 , 7, 49-55	2
120	Impact of multi-vinyl taxogen dimensions on high molecular weight soluble polymer synthesis using transfer-dominated branching radical telomerisation. <i>Polymer Chemistry</i> , 2021 , 12, 6472-6483	O
119	Amphiphilic copolymers of N-vinylpyrrolidone with (di)methacrylates as promising carriers for the platinum(IV) complex with antitumor activity. 2021 , 70, 1832-1844	1
118	Preparation and mechanical properties of water-dispersible hyperbranched polymer grafted carbon black/natural rubber composites by latex blending method. <i>Polymers for Advanced</i> 3.2 <i>Technologies</i> ,	1
117	Chain-growth branching radical polymerization: an inibramer strategy.	1
116	SYNTHESIS AND THERMAL PROPERTIES OF SELF CROSS-LINKING HYPERBRANCHED POLY(ETHER ETHER KETONNE). 2006 , 006, 168-172	

115	Improvement of the Runnabilty for Paper Making by "Axisz System". 2008 , 62, 1391-1397	3
114	FABRICATION OF PHOTORESPONSIVE ELECTROSTATIC MULTILAYERS CONTAINING DIAZONIUM-HYPERBRANCHED AZO POLYMER. 2008 , 008, 383-387	
113	HYPERBRANCHED AZO POLYMERS SYNTHESIZED BY AZO-COUPLING REACTION OF A2/B3 MONOMERS. 2008 , 008, 183-187	1
112	Organic Electroluminescence using Hyperbranched Poly(Phenylene Vinylene). 2009 , 22, 163-168	
111	STUDY OF EMULSION POLYMERIZATION OF ACRYLATES WITH A HYPERBRANCHED POLYMER TERMINATED BY UNSATURATED DOUBLE BONDS. 2009 , 007, 680-684	
110	SYNTHESIS AND CHARACTERIZATION OF A HYPERBRANCHED AZO POLYURETHANE. 2009 , 007, 21-25	
109	STNTHESIS AND CHARACTERIZATION OF HYPERBRANCHED POLYCARBOSILANE-g-CYCLODEXTRIN POLYMER BRUSHES. 2009 , 007, 1080-1087	
108	SYNTHESIS AND CHARACTERIZATION OF HYPERBRANCHED POLYCARBOSILAZANES WITH CONTROLLABLE DEGRADATION BEHAVIOR. 2009 , 007, 780-784	
107	PREPARATION OF TEMPERATURE-SENSITIVE HYPERBRANCHED POLYMERS FROM POLY(PROPYLENE GLYCOL) DIGLYCIDYL ETHER AND GLYCEROL. 2009 , 007, 1097-1101	
106	HYPERBRANCHED POLYMER WITH QUADRUPLE HYDROGEN BONDING RECOGNIZING UNITS. 2009 , 007, 1092-1096	
105	PREPARATION OF SOLUBLE AROMATIC POLYAMIDE COPOLYMERS BY POLYCODENSATION OF p-PHENYLENE DIAMINE, TRIMESIC ACID AND p-AMINDBENZOIC ACID. 2009 , 007, 308-313	
104	Calculation of the critical conversion and topological parameters for hyperbranched polyisocyanurate polymers prepared via cocyclotrimerization of mono- and diisocyanates. 2010 , 50, 74	
103	Liquid Crystal Polyesters. 271-347	
102	Definition of Terms and Nomenclature. 2012 , 9-22	
101	SYNTHESIS OF BRANCHED POLY(METHYL ACRYLATE) VIA SINGLE ELECTRON TRANSFER LIVING RADICAL POLYMERIZATION. 2012 , 012, 398-403	
100	Relevance of Nanotechnology to Africa: Synthesis, Applications, and Safety. 2013 , 123-158	Ο
99	Chapter 5:Polymer-grafted Carbon Nanotubes via G rafting From Approach. 2013 , 120-181	
98	Encyclopedia of Membranes. 2013 , 1-3	

97	Encyclopedia of Polymeric Nanomaterials. 2013 , 1-14	
96	DESIGN, SYNETHESIS, DYE-LOADING AND HOST-GUEST COLORING APPLICATION OF AMPHIPHILIC HYPERBRANCHED POLY(QUATERNARY AMMONIUM SALT)S. 2013 , 013, 70-80	
95	EVOLUTION OF CRYSTAL PATTERNS OF SINGLE-LAYER LAMELLAE OF STAR-SHAPED PEO SAMPLES. 2013 , 013, 398-405	
94	Smart Surfaces. 2014, 115-188	
93	Multi-Scale Modeling and Simulation of Dendritic Architectures. 2014 , 33-53	
92	Porous Silica Nanoparticles for Drug Delivery and Controlled Release. 2014 , 290-327	
91	Introduction. 2015 , 1-34	
90	The Functionalization of Carbon Nanotubes and Nano-Onions. 1-18	
89	Modification of hyperbranched polyesterpolyols with oligomeric etherurethanediisocyanates and their reactions with 2-aminoethyl hydrogen sulphate and 2-aminoethanesulfonic acid. 2015 , 37, 186-192	
88	Amphiphilic Polymers: Hyperbranched Self-Assembled Polymers. 203-217	
87	Encyclopedia of Membranes. 2016 , 1012-1014	
86	Immunotherapy and Vaccines. 2016 , 441-464	
85	Facile Preparation of Thermoresponsive Biomaterials by Noncovalent Immobilization of Hyperbranched Polymers. 2018 , 23, 5-11	
84	Chapter 15:Dendrimers and Hyperbranched Polymers as Antimicrobial Agents. 2019 , 421-456	
83	Hyperbranched-polymer nanocomposite gratings with ultrahigh refractive index modulation amplitudes for volume holographic optical elements. 2019 ,	
82	A Review on the Application of Poly(amidoamine) Dendritic Nano-polymers for Modification of Cellulosic Fabrics. 2020 , 13, 110-122	
81	Effect of the topology on the antibacterial activity of cationic polythioether synthesized by all-click chemistry. <i>Journal of Polymer Science</i> , 2020 , 58, 1664-1674	
80	Synthesis and Properties of Hyperbranched Aromatic Polyimides via Thermal Self-Polycondensation. 2020 , 24, 23-28	

79	A novel route to improve the mechanical and rheological properties of HTPE/AP/Al propellant by adding a modified hyperbranched polyester. 2021 , 33, 665-674		1
78	Intelligent Polymeric Networks in Biomolecular Sensing. 2006 , 117-132		
77	Synthesis of Branched Polyimides of Different Topological Structure. 2020 , 62, 124-144		0
76	Chain-growth Click Copolymerization for Synthesis of Branched Copolymers with Tunable Branching Density. <i>Polymer Chemistry</i> ,	4.9	2
75	A review on peach gum polysaccharide: Hydrolysis, structure, properties and applications 2022 , 279, 119015		15
74	Hyperbranched epoxy resin-grafted graphene oxide for efficient and all-purpose epoxy resin modification 2021 , 611, 105-117		1
73	Improved the surface properties of carbon fiber through hyperbranched polyaryletherketone sizing.		0
72	AIE-active macromolecules: designs, performances, and applications. <i>Polymer Chemistry</i> , 2021 , 13, 8-43	4.9	1
71	Sulfur Containing High Refractive Index Poly(arylene Thioether)s and Poly(arylene Ether)s. <i>Macromolecules</i> , 2022 , 55, 1015-1029	5.5	1
70	Stimuli-sensitive Linear-dendritic Block Copolymer-drug Prodrug As Nano-platform for Tumor Combination Therapy. 2021 , e2108049		8
69	Nanotechnology as a Versatile Tool for F-MRI Agent's Formulation: A Glimpse into the Use of Perfluorinated and Fluorinated Compounds in Nanoparticles 2022 , 14,		1
68	Cyanate ester resins with superior dielectric, mechanical, and flame retardance properties obtained by introducing a fluorinated hyperbranched polyaryletherketone. <i>Polymer Chemistry</i> ,	4.9	1
67	Nanocomposites Application in Sewage Treatment and Degradation of Persistent Pesticides Used in Agriculture. 2022 , 649-682		
66	New types of hyperbranched 1,2,3-triazole-alkoxysiloxane functional polymers for metal embedded nanocomposite surface coatings 2022 ,		2
65	Blocking viral infections with lysine-based polymeric nanostructures: a critical review 2022,		
64	Control of Polycondensation. 1-71		
63	Investigation of the microrheological properties of the branched polystyrene using 2-(2-bromoisobutyryloxy) ethyl methacrylate as the inimer. 1-6		0
62	Highly Branched Polymer Architectures: Specific Structural Features and Their Characterization. 1-32		

61	Expanding the toolbox of controlled/living branching radical polymerization through simulation-informed reaction design. 2022 ,		1
60	Ecofriendly Multifunctional Monodisperse Spherical Polymer Colloids from Hyperbranched Poly(p-phenyl ester) Phenol. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2828-2840	4.3	
59	The Hyperbranched Polyester Reinforced Unsaturated Polyester Resin Polymers, 2022, 14,	4.5	2
58	Inhibition of plasticizing effect in nanostructured epoxy thermosets toughened with SEBS-g-PEG copolymers. <i>Reactive and Functional Polymers</i> , 2022 , 173, 105214	4.6	
57	High-performance functionalized graphene oxide reinforced hyperbranched polymer nanocomposites for catalytic hydrolysis of a chiral ester in water. <i>Reactive and Functional Polymers</i> , 2022 , 173, 105218	4.6	1
56	Hyperbranched polyethyleneimine for high-effective oil-water separation. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 213, 110403	4.4	
55	Synthesis of Arylene Ether-Type Hyperbranched Poly(triphenylamine) for Lithium Battery Cathodes <i>Materials</i> , 2021 , 14,	3.5	
54	Synthesis and rheological properties of amphoteric hydrophobically associating polymer P(AM/AA/AMPS/C18DMAAC). 2021 ,		
53	An Efficient Clicked Degradable Template Model Responsive to Encapsulation and Release of Fluorescent Dye. <i>Journal of Molecular and Engineering Materials</i> ,	1.3	0
52	Tri-functional unit groups contained polyurethane composites with excellent antibacterial property and biocompatibility. <i>Journal of Polymer Science</i> ,	2.4	O
51	Effect of Topology on the Statics and Dynamics of a Polymer Chain at the Fluid-Fluid Interface: A Molecular Dynamics Simulation Study <i>Langmuir</i> , 2022 ,	4	
50	Advances in experimental studies of internal motions of non-linear macromolecular systems in solutions. <i>Polymer</i> , 2022 , 124966	3.9	
49	The low dielectric constant hyperbranched polycarbosilane derived resins with spacing groups. Journal of Applied Polymer Science,	2.9	
48	Synthesis of Hyperbranched Polymers and Prospects for Application in Oilfield Chemistry. <i>Frontiers in Energy Research</i> , 10,	3.8	
47	How the modification of the hyperbranched terminals affects the solution self-assembly of linear-block-hyperbranched copolymers. <i>Journal of Polymer Research</i> , 2022 , 29,	2.7	
46	A novel bioderived AB 2 -type monomer from castor oil derivative for the preparation of fully biobased hyperbranched polyesters. <i>Journal of Applied Polymer Science</i> ,	2.9	
45	Efficient Synthesis and Self-Assembly of Segmented Hyperbranched Block Copolymers via RAFT-Mediated Dispersion Polymerization Using Segmented Hyperbranched Macro-RAFT Agents. <i>Macromolecules</i> ,	5.5	1
44	Synthesis and Characterization of Chelating Hyperbranched Polyester Nanoparticles for Cd(II) Ion Removal from Water. <i>Molecules</i> , 2022 , 27, 3656	4.8	Ο

43	Rational design of a multi-in-one heterofunctional agent for versatile topological transformation of multisite multisegmented polystyrenes. <i>Polymer Chemistry</i> ,	4.9	
42	Synthesis and Research of Highly Efficient Polyether Demulsifier. ChemistrySelect, 2022, 7,	1.8	
41	Cyclotriphosphazene hyperbranched P/N/Si prepared flame retardants improve mechanical properties and flame retardancy of epoxy resins. <i>Polymers for Advanced Technologies</i> ,	3.2	0
40	Synthesis and oxygen permselectivity of multi-stranded graft copolymers. <i>Polymer</i> , 2022 , 255, 125092	3.9	
39	Preparation of antifouling TFC RO membranes by facile grafting zwitterionic polymer PEI-CA. <i>Desalination</i> , 2022 , 539, 115972	10.3	О
38	Evolutions of precision radical polymerizations from metal-catalyzed radical addition: living polymerization, step-growth polymerization, and monomer sequence control. <i>Polymer Journal</i> ,	2.7	O
37	Influence of Branching on Network Formation and the Thermomechanical Properties of UV-Curable Polyester Powder Coating Resins. <i>Industrial & Engineering Chemistry Research</i> ,	3.9	
36	Low-gloss UV-curable coatings: Light mechanisms, formulations and processes A review. <i>Progress in Organic Coatings</i> , 2022 , 171, 107039	4.8	2
35	Exogenous stimuliEesponsive polymeric micelles for drug delivery. 2022 , 409-428		
34	Copper-containing polymethylsilsesquioxane nanocomposites in catalytic olefination reaction. 2022 , 32, 478-481		2
33	Graft copolymers of polysaccharides: Synthesis techniques and pharmaceutical applications. 2023 , 129-	156	O
32	Molecular strategy towards ROMP-derived hyperbranched poly(olefin)s featuring various Ebridged perylene diimides.		O
31	Synthesis of hyperbranched polyesters via the ring-opening alternating copolymerisation of epoxides with a cyclic anhydride having a carboxyl group. 2022 , 13, 5469-5477		2
30	Various polymers in the development of polymeric micelles. 2022 , 15-40		O
29	Piezoelectric Energy Harvesting Performance of Aromatic Hyperbranched Polyester (Ar.Hbp-G1) Mediated Pvdf Electrospun Nanoweb.		О
28	Functionalized Hyperbranched Aliphatic Polyester Polyols: Synthesis, Properties and Applications.		O
27	Highly Branched Betulin Based Polyanhydrides for Self-Assembled Micellar Nanoparticles Formulation. 2022 , 23, 11462		0
26	Synthesis of Well-Defined Block Copolymers of Hyperbranched Polyamide and Polystyrene and Their Micelle-to-Vesicle Transformation in Organic Solvents. 2200298		Ο

25	One-Pot Synthesis of Hyperbranched Polymers via Visible Light Regulated Switchable Catalysis.	O
24	Size Controlled Synthesis of Soluble Conjugated Polymeric Nanoparticles in Dendritic Mesoporous Silica Nanospheres. 2200325	O
23	Applications of Emerging Nanomaterials in Drilling Fluids. 2022 , 7,	О
22	Recent Advances and Challenges in Barbier Polymerization.	0
21	Visible-Light-Mediated Controlled Radical Branching Polymerization in Water.	0
20	Visible-Light-Mediated Controlled Radical Branching Polymerization in Water.	2
19	Synthesis of hyperbranched polymer films via electrodeposition and oxygen-tolerant surface-initiated photoinduced polymerization. 2023 ,	О
18	In Situ Synthesis of Branched Block Copolymer Assemblies via RAFT Dispersion Polymerization using Branched Macro-RAFT Agents.	0
17	Synthesis of Acrylate-Functionalized Polyglycerols and an Investigation of their UV Curing Behaviors. 2023 , 8,	О
16	Synthesis of Hyperbranched Flame Retardants with Varied Branched Chains Rigidity and Performance of Modified Epoxy Resins. 2023 , 15, 449	1
15	Hyperbranched Acetylenic Polymers from Metal-Free and Regioselective Polycyclotrimerization of Arylene Bipropiolates: Synthesis, Characterization, and Photonic Properties. 2012 , 351-372	0
14	Hybrid Materials with Antimicrobial Properties Based on Hyperbranched Polyaminopropylalkoxysiloxanes Embedded with Ag Nanoparticles. 2023 , 15, 809	0
13	Unexpected Thermomechanical Behavior of Off-Stoichiometry Epoxy/Amine Materials.	О
12	Multifunctional hyperbranched prepolymers with tailored degree of methylation and methacrylation. 2023 , 276, 125886	O
11	From soft hyperbranched polymers to hard crosslinkers: UV curable macromers that contained oxetane on and around hyperbranched frameworks. 2023 , 112074	О
10	Hyperbranched polymer-based nanoparticle drug delivery platform for the nucleus-targeting in cancer therapy. 2023 , 81, 104195	O
9	A highly selective carbon paste electrode enhanced by Cu -encapsulated [boly(amidoamine) for the simultaneous detection of organic and inorganic contaminants.	О
8	Remarkably enhanced crystallization behavior and impact toughness of poly(ethylene terephthalate) via introducing phenylEerminated hyperbranched polyester. 2023 , 722, 179458	0

CITATION REPORT

7	Preparation and Characterization of a Novel Hyperbranched Polyester Polymers Using A2+B3 Monomers. 2023 , 29, 28-36	О
6	Solid-state lithium-ion batteries for grid energy storage: opportunities and challenges.	1
5	Btructural and viscosity studies of dendritic hyper branched viscosity index improvers in one pot step $\!$	О
4	One-pot synthesis of hyperbranched polymers via visible light regulated switchable catalysis. 2023 , 14,	O
3	Poly(ether)s derived from oxa-Michael polymerization: a comprehensive review. 2023, 154, 443-458	О
2	Polymeric Micelles in the Delivery of Proteins. 2023 , 231-251	O
1	Synthesis of xylitol-based hyperbranched polyurethane acrylate and its application in self-matting acrylate coatings.	О