

David E Bergbreiter

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Specific Ion Effects on the Water Solubility of Macromolecules: PNIPAM and the Hofmeister Series. <i>Journal of the American Chemical Society</i> , 2005, 127, 14505-14510.	13.7	1,188
2	Lipase-catalyzed irreversible transesterifications using enol esters as acylating reagents: preparative enantio- and regioselective syntheses of alcohols, glycerol derivatives, sugars and organometallics. <i>Journal of the American Chemical Society</i> , 1988, 110, 7200-7205.	13.7	540
3	Using Soluble Polymers To Recover Catalysts and Ligands. <i>Chemical Reviews</i> , 2002, 102, 3345-3384.	47.7	536
4	Using Soluble Polymer Supports To Facilitate Homogeneous Catalysis. <i>Chemical Reviews</i> , 2009, 109, 530-582.	47.7	346
5	Effects of Hofmeister Anions on the LCST of PNIPAM as a Function of Molecular Weight. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8916-8924.	3.1	335
6	Poly(N-isopropylacrylamide) Soluble Polymer Supports in Catalysis and Synthesis. <i>Macromolecules</i> , 1998, 31, 6053-6062.	4.8	327
7	Effects of end group polarity and molecular weight on the lower critical solution temperature of poly(N-isopropylacrylamide). <i>Journal of Polymer Science Part A</i> , 2006, 44, 1492-1501.	2.3	281
8	Palladium-Catalyzed C-C Coupling under Thermomorphic Conditions. <i>Journal of the American Chemical Society</i> , 2000, 122, 9058-9064.	13.7	280
9	Tridentate SCS Palladium(II) Complexes: New, Highly Stable, Recyclable Catalysts for the Heck Reaction. <i>Journal of the American Chemical Society</i> , 1999, 121, 9531-9538.	13.7	277
10	Reactions of potassium-graphite. <i>Journal of the American Chemical Society</i> , 1978, 100, 2126-2134.	13.7	196
11	Smart ligands that regulate homogeneously catalyzed reactions. <i>Journal of the American Chemical Society</i> , 1993, 115, 9295-9296.	13.7	148
12	Mechanistic Studies of SCS-Pd Complexes Used in Heck Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 172-184.	4.3	146
13	pH-Switchable, Ultrathin Permselective Membranes Prepared from Multilayer Polymer Composites. <i>Journal of the American Chemical Society</i> , 1997, 119, 8720-8721.	13.7	145
14	Preparation of Hyperbranched Polymer Films Grafted on Self-Assembled Monolayers. <i>Journal of the American Chemical Society</i> , 1996, 118, 3773-3774.	13.7	140
15	Synthesis and Characterization of Surface-Grafted, Hyperbranched Polymer Films Containing Fluorescent, Hydrophobic, Ion-Binding, Biocompatible, and Electroactive Groups. <i>Langmuir</i> , 1997, 13, 770-778.	3.5	138
16	Self-Assembled, Sub-Micrometer Diameter Semipermeable Capsules. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2870-2872.	13.8	127
17	Electrostatic Immobilization of Glucose Oxidase in a Weak Acid, Polyelectrolyte Hyperbranched Ultrathin Film on Gold: Fabrication, Characterization, and Enzymatic Activity. <i>Analytical Chemistry</i> , 1999, 71, 3133-3139.	6.5	122
18	Polyethylene surface chemistry. <i>Progress in Polymer Science</i> , 1994, 19, 529-560.	24.7	115

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19	Covalent layer-by-layer assembly "an effective, forgiving way to construct functional robust ultrathin films and nanocomposites. <i>Soft Matter</i> , 2009, 5, 23-28.	2.7	114
20	Thermomorphic Rhodium(I) and Palladium(0) Catalysts. <i>Journal of the American Chemical Society</i> , 1998, 120, 4250-4251.	13.7	113
21	Nonpolar Polymers for Metal Sequestration and Ligand and Catalyst Recovery in Thermomorphic Systems. <i>Journal of the American Chemical Society</i> , 2001, 123, 11105-11106.	13.7	107
22	Superhydrophobic Surfaces Formed Using Layer-by-Layer Self-Assembly with Aminated Multiwall Carbon Nanotubes. <i>Langmuir</i> , 2008, 24, 4245-4253.	3.5	103
23	Surface Functionalized Polypropylene: Synthesis, Characterization, and Adhesion Properties. <i>Macromolecules</i> , 2001, 34, 7672-7679.	4.8	102
24	Liquid/Liquid Biphasic Recovery/Reuse of Soluble Polymer-Supported Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1352-1366.	4.3	102
25	Preparation of Highly Impermeable Hyperbranched Polymer Thin-Film Coatings Using Dendrimers First as Building Blocks and Then as in Situ Thermosetting Agents. <i>Journal of the American Chemical Society</i> , 1999, 121, 923-930.	13.7	98
26	The use of soluble polymers to effect homogeneous catalyst separation and reuse. <i>Catalysis Today</i> , 1998, 42, 389-397.	4.4	96
27	Multilayer Dendrimer "Polyanhydride Composite Films on Glass, Silicon, and Gold Wafers. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2114-2116.	4.4	93
28	Enantioselective metal carbene transformations with polyethylene-bound soluble recoverable dirhodium(II) 2-pyrrolidone-5(S)-carboxylates. <i>Journal of Organic Chemistry</i> , 1992, 57, 6103-6105.	3.2	90
29	Water-soluble polymer-bound, recoverable palladium(0)-phosphine catalysts. <i>Tetrahedron Letters</i> , 1997, 38, 7843-7846.	1.4	88
30	Studies of Ligand Exchange in N-Heterocyclic Carbene Silver(I) Complexes. <i>Organometallics</i> , 2012, 31, 4063-4071.	2.3	88
31	Polyethylene-bound rhodium(I) hydrogenation catalysts. <i>Journal of the American Chemical Society</i> , 1987, 109, 174-179.	13.7	85
32	Polyethylene-bound soluble recoverable palladium(0) catalysts. <i>Journal of Organic Chemistry</i> , 1989, 54, 2726-2730.	3.2	82
33	High-Throughput Studies of the Effects of Polymer Structure and Solution Components on the Phase Separation of Thermoresponsive Polymers. <i>Macromolecules</i> , 2004, 37, 1031-1036.	4.8	82
34	Soluble Polymer-Supported Catalysts Containing Azo Dyes. <i>Organic Letters</i> , 2002, 4, 737-740.	4.6	79
35	Preparation of .beta.-lactams by the condensation of lithium ester enolates with aryl aldimines. <i>Journal of Organic Chemistry</i> , 1980, 45, 3413-3416.	3.2	76
36	"Click"-Based Covalent Layer-by-Layer Assembly on Polyethylene Using Water-Soluble Polymeric Reagents. <i>Macromolecules</i> , 2007, 40, 5337-5343.	4.8	75

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37	Thermoresponsive Polymer-Bound Substrates. <i>Journal of the American Chemical Society</i> , 1996, 118, 6092-6093.	13.7	73
38	Catalytic cyclopropanation with transition metal salts of soluble polyethylene carboxylates. <i>Tetrahedron Letters</i> , 1991, 32, 2731-2734.	1.4	72
39	Poly(4-tert-butylstyrene) as a Soluble Polymer Support in Homogeneous Catalysis. <i>Organic Letters</i> , 2003, 5, 2445-2447.	4.6	71
40	Self-Separating Homogeneous Copper (I) Catalysts. <i>Journal of the American Chemical Society</i> , 2007, 129, 10666-10667.	13.7	71
41	Hyperbranched Grafting on Oxidized Polyethylene Surfaces. <i>Macromolecules</i> , 1999, 32, 4993-4998.	4.8	69
42	Comparison of Covalently and Noncovalently Functionalized Carbon Nanotubes in Epoxy. <i>Macromolecular Rapid Communications</i> , 2009, 30, 627-632.	3.9	69
43	Measuring LCSTs by Novel Temperature Gradient Methods: Evidence for Intermolecular Interactions in Mixed Polymer Solutions. <i>Journal of the American Chemical Society</i> , 2003, 125, 2850-2851.	13.7	65
44	Polyisobutylene-Anchored N-Heterocyclic Carbene Ligands. <i>Organic Letters</i> , 2009, 11, 665-667.	4.6	65
45	Reversible Changes in Solution pH Resulting from Changes in Thermoresponsive Polymer Solubility. <i>Journal of the American Chemical Society</i> , 2012, 134, 7378-7383.	13.7	65
46	Using Soluble Polymers in Latent Biphasic Systems. <i>Journal of the American Chemical Society</i> , 2003, 125, 6254-6260.	13.7	64
47	Microwave promoted Heck reactions using an oligo(ethylene glycol)-bound SCS palladacycle under thermomorphic conditions. <i>Green Chemistry</i> , 2004, 6, 280.	9.0	63
48	Inhibition of Electrochemical Reactions at Gold Surfaces by Grafted, Highly Fluorinated, Hyperbranched Polymer Films. <i>Langmuir</i> , 1997, 13, 1388-1391.	3.5	62
49	Simultaneous Deprotection and Purification of BOC-amines Based on Ionic Resin Capture. <i>Journal of Organic Chemistry</i> , 1998, 63, 3471-3473.	3.2	61
50	Designing Surfaces with Wettability That Varies in Response to Solute Identity and Concentration. <i>Langmuir</i> , 2009, 25, 26-28.	3.5	61
51	Soluble Polymers as Tools in Catalysis. <i>ACS Macro Letters</i> , 2014, 3, 260-265.	4.8	60
52	Phase-Selective Solubility of Poly(N-alkylacrylamide)s. <i>Journal of the American Chemical Society</i> , 2003, 125, 8244-8249.	13.7	59
53	Recoverable Reusable Polyisobutylene (PIB)-Bound Ruthenium Bipyridine (Ru(PIB-bpy) ₃ Cl ₂) Photoredox Polymerization Catalysts. <i>ACS Macro Letters</i> , 2013, 2, 571-574.	4.8	56
54	Chemically Grafted Polymeric Filters for Chemical Sensors: Hyperbranched Poly(acrylic acid) Films Incorporating β -Cyclodextrin Receptors and Amine-Functionalized Filter Layers. <i>Langmuir</i> , 1999, 15, 885-890.	3.5	54

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55	Location and mobility of functional groups at the surface of oxidized, low-density polyethylene film. <i>Journal of the American Chemical Society</i> , 1977, 99, 4746-4756.	13.7	53
56	Fluoroacrylate-Bound Fluorous-Phase Soluble Hydrogenation Catalysts. <i>Organic Letters</i> , 2000, 2, 393-395.	4.6	53
57	Polyisobutylene supports a non-polar hydrocarbon analog of PEG supports. <i>Tetrahedron</i> , 2005, 61, 12081-12092.	1.9	53
58	Synthesis and utilization of organocopper(I) ate complexes from Grignard reagents. <i>Journal of Organic Chemistry</i> , 1976, 41, 2750-2753.	3.2	50
59	Alkylation of active methylene compounds by allylic alcohols using tetrakis(triphenylphosphine)palladium(0) catalysts. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 883.	2.0	50
60	Thermomorphic Polyethylene-Supported Olefin Metathesis Catalysts. <i>Organic Letters</i> , 2011, 13, 3904-3907.	4.6	50
61	Palladium/polystyrene catalysts. <i>Journal of Organic Chemistry</i> , 1983, 48, 4179-4186.	3.2	49
62	Anionic syntheses of terminally functionalized ethylene oligomers. <i>Journal of Polymer Science Part A</i> , 1989, 27, 4205-4226.	2.3	49
63	Synthesis of Hyperbranched, Hydrophilic Fluorinated Surface Grafts. <i>Langmuir</i> , 1996, 12, 5519-5521.	3.5	49
64	Amphoteric, water-soluble polymer-bound hydrogenation catalysts. <i>Tetrahedron Letters</i> , 1997, 38, 3703-3706.	1.4	49
65	Terminally functionalized polyisobutylene oligomers as soluble supports in catalysis Electronic supplementary information (ESI) available: experimental details for the synthesis and use of the PIB oligomers and catalysts. See http://www.rsc.org/suppdata/cc/b3/b312368e/ . <i>Chemical Communications</i> , 2004, , 42.	4.1	49
66	Alternative polymer supports for organic chemistry. , 1999, 19, 439-450.		47
67	Molecular engineering of organic reagents and catalysts using soluble polymers. <i>Progress in Polymer Science</i> , 2001, 26, 2015-2081.	24.7	47
68	A polyethylene-bound ruthenium(II) catalyst for inter- and intramolecular kharasch reactions. <i>Tetrahedron Letters</i> , 1989, 30, 3915-3918.	1.4	46
69	Parallel Effects of Cations on PNIPAM Graft Wettability and PNIPAM Solubility. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 452-458.	8.0	46
70	Polymer ligands that can regulate reaction temperature in smart catalysts. <i>Advanced Materials</i> , 1995, 7, 69-71.	21.0	45
71	Polyvalent Hydrogen-Bonding Functionalization of Ultrathin Hyperbranched Films on Polyethylene and Gold. <i>Macromolecules</i> , 2001, 34, 3018-3023.	4.8	45
72	Concurrent catalytic reduction/stoichiometric oxidation using oligomerically ligated catalysts and polymer-bound reagents. <i>Journal of the American Chemical Society</i> , 1985, 107, 4792-4793.	13.7	44

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73	Surface selectivity in blending polyethylene-poly(ethylene glycol) block cooligomers into high-density polyethylene. <i>Macromolecules</i> , 1992, 25, 636-643.	4.8	44
74	Heptane-Soluble Ring-Closing Metathesis Catalysts. <i>Organic Letters</i> , 2007, 9, 3259-3261.	4.6	44
75	Aqueous Solvation and Functionalization of Weak-Acid Polyelectrolyte Thin Films. <i>Langmuir</i> , 1998, 14, 4232-4237.	3.5	43
76	Effect of solvent polarity on functionalized polyethylene-solution interfaces. <i>Macromolecules</i> , 1990, 23, 764-769.	4.8	42
77	A phase separable polycarbonate polymerization catalyst. <i>Chemical Communications</i> , 2008, , 975-977.	4.1	41
78	Sequestration of Trace Metals Using Water-Soluble and Fluorous Phase-Soluble Polymers. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1039-1042.	13.8	40
79	Polyisobutylene-supported N-heterocyclic carbene palladium catalysts. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1272-1279.	1.8	39
80	Functionalized ethylene oligomers as phase-transfer catalysts. <i>Journal of Organic Chemistry</i> , 1985, 50, 5828-5833.	3.2	38
81	Polypropylene Surface Modification by Entrapment Functionalization. <i>Macromolecules</i> , 1998, 31, 3417-3423.	4.8	37
82	Recyclable polymer-bound lanthanide diene polymerization catalysts. <i>Macromolecules</i> , 1985, 18, 1055-1057.	4.8	36
83	New strategies in using macromolecular catalysts in organic synthesis. <i>Journal of Molecular Catalysis</i> , 1992, 74, 409-419.	1.2	36
84	Applications of Catalysts on Soluble Supports. <i>Topics in Current Chemistry</i> , 2004, 242, 113-176.	4.0	36
85	Redox-controlled α -smart TM polyacrylamide solubility. <i>Polymer Chemistry</i> , 2010, 1, 631.	3.9	35
86	Polyethylene as a Nonvolatile Solid Cosolvent Phase for Catalyst Separation and Recovery. <i>Journal of the American Chemical Society</i> , 2012, 134, 14714-14717.	13.7	35
87	Use of functionalized ethylene oligomers to prepare recoverable, recyclable nickel(0) diene cyclooligomerization catalysts. <i>Journal of Organic Chemistry</i> , 1986, 51, 4754-4760.	3.2	34
88	Soluble polyethylene- and polystyrene-bound tin halides as catalysts for reductions of alkyl and aryl bromides and iodides by sodium borohydride. <i>Journal of Organic Chemistry</i> , 1989, 54, 5138-5141.	3.2	34
89	Strategies for protecting and manipulating triazine derivatives. <i>Tetrahedron Letters</i> , 2005, 46, 2005-2008.	1.4	34
90	Grafting of C60 onto polyethylene surfaces. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 645.	2.0	33

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91	Soluble polyisobutylene-supported reusable catalysts for olefin cyclopropanation. <i>Tetrahedron Letters</i> , 2007, 48, 4499-4503.	1.4	32
92	Polyisobutylene-Supported Phosphines as Recyclable and Regenerable Catalysts and Reagents. <i>Journal of Organic Chemistry</i> , 2011, 76, 6912-6917.	3.2	32
93	Polyolefin-Supported Recoverable/Reusable Cr(III)-Salen Catalysts. <i>Journal of Organic Chemistry</i> , 2011, 76, 523-533.	3.2	32
94	Polyisobutylene oligomer-bound polyoxometalates as efficient and recyclable catalysts for biphasic oxidations with hydrogen peroxide. <i>Catalysis Science and Technology</i> , 2015, 5, 818-821.	4.1	32
95	Chemical modification of hyperbranched ultrathin films on gold and polyethylene. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3944-3953.	2.3	29
96	Supported Catalysts Useful in Ring-Closing Metathesis, Cross Metathesis, and Ring-Opening Metathesis Polymerization. <i>Polymers</i> , 2016, 8, 140.	4.5	29
97	Allylic substitution using heterogeneous palladium catalysts. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 1238.	2.0	28
98	Functionalized Hyperbranched Polyethylene Powder Supports. <i>Organic Letters</i> , 2000, 2, 2853-2855.	4.6	28
99	Designing Polymers for Biphasic Liquid/Liquid Separations after Homogeneous Reactions. <i>Organic Process Research and Development</i> , 2004, 8, 461-468.	2.7	28
100	Variable-Temperature NMR Studies of Soluble Polymer-Supported Phosphine π Silver Complexes. <i>Journal of Organic Chemistry</i> , 2010, 75, 873-878.	3.2	28
101	Using polymers to control substrate, ligand, or catalyst solubility. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2351-2363.	2.3	27
102	Highly organic phase soluble polyisobutylene-bound cobalt phthalocyanines as recyclable catalysts for nitroarene reduction. <i>Catalysis Communications</i> , 2016, 77, 89-93.	3.3	27
103	A phase π separable second π generation hoveyda π grubbs catalyst for ring π opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3954-3959.	2.3	25
104	New Routes to Hyperbranched Poly(acrylic acid) Surface Grafts on Polyethylene Films and Powders. <i>Macromolecules</i> , 2004, 37, 8686-8691.	4.8	24
105	Entrapment of functionalized ethylene oligomers in polyethylene. <i>Macromolecules</i> , 1984, 17, 2111-2116.	4.8	23
106	Pd-Catalyzed synthesis of a tethered soluble polymeric phosphine ligand. <i>Tetrahedron Letters</i> , 1998, 39, 8799-8802.	1.4	22
107	Liquid/liquid separation of polysiloxane-supported catalysts. <i>Chemical Communications</i> , 2006, , 1715.	4.1	22
108	Alternatives for Conventional Alkane Solvents. <i>Journal of the American Chemical Society</i> , 2016, 138, 14650-14657.	13.7	22

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109	Lewis base properties of potassium-graphite. <i>Journal of the Chemical Society Chemical Communications</i> , 1976, , 913b.	2.0	21
110	Azo dye stereoisomerization at polyethylene-solution interfaces. <i>Macromolecules</i> , 1989, 22, 4648-4650.	4.8	21
111	Control of surface functionalization of polyethylene powders prepared by coprecipitation of functionalized ethylene oligomers and polyethylene. <i>Macromolecules</i> , 1989, 22, 654-662.	4.8	20
112	pH and Solvent Responsive Reactivity of Surface-Grafted Polyethylene Films. <i>Journal of the American Chemical Society</i> , 1995, 117, 10589-10590.	13.7	20
113	Polarity reversed Prelog reactions. <i>Tetrahedron Letters</i> , 1979, 20, 103-106.	1.4	19
114	New grafting chemistry for functionalized polyethylene films. <i>Journal of Polymer Science Part A</i> , 1992, 30, 2049-2053.	2.3	19
115	A soluble fluoros phase polymer support. <i>Chemical Communications</i> , 1997, , 1531-1532.	4.1	19
116	Conductive Thin Films on Functionalized Polyethylene Particles. <i>Chemistry of Materials</i> , 2006, 18, 2997-3004.	6.7	19
117	Hyperbranched Surface Graft Polymerizations. , 0, , 1-49.		19
118	Thermodynamic cloud point assays. <i>Journal of Polymer Science Part A</i> , 2008, 46, 186-193.	2.3	19
119	Ring-opening metathesis polymerization using polyisobutylene supported Grubbs second-generation catalyst. <i>RSC Advances</i> , 2014, 4, 43766-43771.	3.6	19
120	Effect of pH, Fluorination, and Number of Layers on the Inhibition of Electrochemical Reactions by Grafted, Hyperbranched Poly(acrylic acid) Films. <i>Israel Journal of Chemistry</i> , 1997, 37, 277-286.	2.3	17
121	Meisenheimer Rearrangement of AllylN-Oxides as a Route to Initiators for Nitroxide-Mediated "Living" Free Radical Polymerizations. <i>Macromolecules</i> , 1998, 31, 6380-6382.	4.8	17
122	Synthesis and characterization of electronically varied XCX palladacycles with functional arene groups. <i>Inorganica Chimica Acta</i> , 2006, 359, 1912-1922.	2.4	17
123	Poly(4-dodecylstyrene) as a phase-selectively soluble polymer support in homogeneous catalysis. <i>Polymer Chemistry</i> , 2013, 4, 1617-1624.	3.9	17
124	Polyethylene as a Cosolvent and Catalyst Support in Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2015, 48, 5511-5516.	4.8	17
125	Recyclable polyisobutylene (PIB)-bound organic photoredox catalyst catalyzed polymerization reactions. <i>Polymer Chemistry</i> , 2016, 7, 2161-2165.	3.9	17
126	Visible light mediated photoredox reactions catalyzed by recyclable PIB-bound ruthenium photoredox catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 215-221.	4.1	17

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127	Soluble Polymer-Bound Reagents and Catalysts. ACS Symposium Series, 1986, , 17-41.	0.5	16
128	Recyclable polyisobutylene-supported pyridyl N-oxide allylation catalysts. Tetrahedron Letters, 2008, 49, 5608-5610.	1.4	16
129	Using Soluble Polymers to Enforce Catalystâ€Phaseâ€Selective Solubility and as Antileaching Agents to Facilitate Homogeneous Catalysis. Angewandte Chemie - International Edition, 2014, 53, 8084-8087.	13.8	16
130	Surface graft polymerization on polyethylene using macroinitiators. Macromolecules, 1993, 26, 3245-3246.	4.8	15
131	Temperature-Responsive Surface-Functionalized Polyethylene Films. Chemistry of Materials, 1997, 9, 472-477.	6.7	15
132	Polythiophene formation within hyperbranched grafts on polyethylene films. Journal of Polymer Science Part A, 2001, 39, 4119-4128.	2.3	15
133	Syntheses of terminally functionalized polyisobutylene derivatives using diazonium salts. Journal of Polymer Science Part A, 2011, 49, 1772-1783.	2.3	15
134	Diphenylphosphinated ethylene oligomers as polymeric reagents for synthesis of alkyl chlorides from alcohols. Journal of the Chemical Society Chemical Communications, 1985, , 337.	2.0	14
135	Surface selective modification of poly(vinyl chloride) film with lithiated $\hat{\pm}$,1%-diaminopoly(alkene oxide)s. Polymer, 1996, 37, 2345-2352.	3.8	14
136	Recycling Pd colloidal catalysts using polymeric phosphine ligands and polyethylene as a solvent. Green Chemistry, 2013, 15, 1361.	9.0	14
137	Controlled Ring-Opening Metathesis Polymerization with Polyisobutylene-Bound Pyridine-Ligated Ru(II) Catalysts. ACS Omega, 2016, 1, 714-721.	3.5	14
138	Polyisobutylene Oligomers as Tools for Iron Oxide Nanoparticle Solubilization. Macromolecules, 2017, 50, 1494-1502.	4.8	14
139	Alkylation of Imine and Enamine Salts. , 1983, , 243-273.		14
140	Thermolysis of butylsilver(I) ate complexes. Journal of Organic Chemistry, 1981, 46, 727-733.	3.2	13
141	Polyethylene carboxylate-bound triruthenium clusters as alcohol oxidation catalysts. Reactive & Functional Polymers, 1990, 12, 291-295.	0.8	13
142	Functionalized hyperbranched grafts on polyethylene powder for support of Pd(0)-phosphine catalyst. Chemical Communications, 2002, , 2158-2159.	4.1	13
143	New Syntheses of Hyperbranched Polyamine Grafts. Macromolecules, 2005, 38, 47-52.	4.8	13
144	Soluble polymer-supported organocatalysts. Pure and Applied Chemistry, 2012, 85, 493-509.	1.9	13

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145	Fully recyclable Brønsted acid catalyst systems. <i>Green Chemistry</i> , 2021, 23, 1266-1273.	9.0	13
146	Fluorous-Phase Soluble Polymeric Supports. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2000, 3, 153-164.	1.1	13
147	Heterogeneous Grafting Chemistry Using Residual Unsaturation as a Graft Site Precursor. <i>Macromolecules</i> , 1994, 27, 1597-1602.	4.8	12
148	New methods for recovery of soluble polymer-bound reagents. <i>Reactive and Functional Polymers</i> , 2001, 49, 249-254.	4.1	12
149	Latent solid-phase extraction with thermoresponsive soluble polymers. <i>Journal of Polymer Science Part A</i> , 2004, 42, 6309-6317.	2.3	12
150	New synthetic methods for the formation of basic, polyvalent, hyperbranched grafts. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4654-4665.	2.3	12
151	Polyolefin soluble polyisobutylene oligomer-bound metallophthalocyanine and azo dye additives. <i>Journal of Polymer Science Part A</i> , 2014, 52, 545-551.	2.3	12
152	Using ¹ H NMR Spectra of Polymers and Polymer Products To Illustrate Concepts in Organic Chemistry. <i>Journal of Chemical Education</i> , 2017, 94, 1668-1673.	2.3	12
153	Synthesis, Characterization, and Utility of Thermoresponsive Natural/Unnatural Product Macroligands for Affinity Chromatography. <i>Organic Letters</i> , 2006, 8, 5247-5250.	4.6	11
154	Solute- and Temperature-Responsive "Smart" Grafts and Supported Membranes Formed by Covalent Layer-by-Layer Assembly. <i>Langmuir</i> , 2012, 28, 5237-5242.	3.5	11
155	Highly active, separable and recyclable bipyridine iridium catalysts for C-H borylation reactions. <i>Catalysis Science and Technology</i> , 2018, 8, 124-127.	4.1	11
156	Sustainable Hydrocarbon Oligomer Solvent Systems for Sequestration of Trace Organics from Water. <i>ChemSusChem</i> , 2019, 12, 416-419.	6.8	11
157	Nuclear magnetic resonance studies of methylsilver(I) complexes. <i>Organometallics</i> , 1983, 2, 1354-1359.	2.3	10
158	Surface modification of ester-containing polymers with anionic derivatives of amine-terminated oligomers. <i>Chemistry of Materials</i> , 1992, 4, 1240-1245.	6.7	10
159	A Combinatorial Approach to Studying the Effects of N-Alkyl Groups on Poly(N-alkyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182	3.3	10
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