Christopher W Bielawski

List of Publications by Year
in descending order

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182 papers	23,223 citations	22099 59 h-index	7718 150 g-index
201 all docs	201 docs citations	201 times ranked	27752 citing authors

#	Article	IF	Citations
1	Singleâ€Atom Catalyst Aggregates: Sizeâ€Matching is Critical to Electrocatalytic Performance in Sulfur Cathodes. Advanced Science, 2022, 9, e2103773.	5.6	40
2	Covalently Grafting Sulfur-Containing Polymers to Carbon Nanotubes Enhances the Electrochemical Performance of Sulfur Cathodes. ACS Applied Polymer Materials, 2022, 4, 939-949.	2.0	13
3	New classes of functionalized parylenes and poly(phenylene vinylene)s via coupling of dihaloxylyl diesters. Polymer Chemistry, 2022, 13, 613-621.	1.9	0
4	C1 Polymerization of Fluorinated Aryl Diazomethanes. ACS Macro Letters, 2022, 11, 7-14.	2.3	12
5	Coaxially grafting conjugated microporous polymers containing single-atom cobalt catalysts to carbon nanotubes enhances sulfur cathode reaction kinetics. Chemical Engineering Journal, 2022, 444, 136546.	6.6	24
6	Stereoelectronically-induced allosteric binding: shape complementarity promotes positive cooperativity in fullerene/buckybowl complexes. Chemical Communications, 2022, 58, 6498-6501.	2.2	3
7	Covalently grafting conjugated porous polymers to MXene offers a two-dimensional sandwich-structured electrocatalytic sulfur host for lithiumâ€“sulfur batteries. Chemical Engineering Journal, 2022, 446, 137365.	6.6	25
8	Carbonâ€Based Materials as Lithium Hosts for Lithium Batteries. Chemistry - A European Journal, 2022, 28, .	1.7	9
9	Polarization-Induced Two-Dimensional electron gas at BeO/ZnO interface. Applied Surface Science, 2022, 600, 154103.	3.1	4
10	Energy band offsets of BeO dielectrics grown via atomic-layer deposition on Î²-Ga2O3 substrates. Journal of Alloys and Compounds, 2022, 922, 166197.	2.8	5
11	Poly(carbyne)s via reductive C1 polymerization. Polymer International, 2021, 70, 34-40.	1.6	5
12	Effects of Alkyl-Substituted Polybenzoxazines on Tribological Properties of Non-Asbestos Composite Friction Materials. Polymers, 2021, 13, 567.	2.0	9
13	Ice-Templated Large-Scale Preparation of Two-Dimensional Sheets of Conjugated Polymers: Thickness-Independent Flexible Supercapacitance. ACS Nano, 2021, 15, 8870-8882.	7.3	39
14	Nickelâ€catalyzed polymerization of a substituted sulfoxonium ylide. Journal of Polymer Science, 2021, 59, 1787-1794.	2.0	2
15	Ring Opening Metathesis Polymerization of Cyclic Allenes. Macromolecules, 2021, 54, 6135-6143.	2.2	7
16	Impact Response of Aramid Fabric-Reinforced Polybenzoxazine/Urethane Composites Containing Multiwalled Carbon Nanotubes Used as Support Panel in Hard Armor. Polymers, 2021, 13, 2779.	2.0	3
17	Regulating Lithium Plating and Stripping by Using Vertically Aligned Graphene/CNT Channels Decorated with ZnO Particles. Chemistry - A European Journal, 2021, 27, 15706-15715.	1.7	13
18	A Conjugated Porous Polymer Complexed with a Single-Atom Cobalt Catalyst as An Electrocatalytic Sulfur Host for Enhancing Cathode Reaction Kinetics. Energy Storage Materials, 2021, 41, 14-23.	9.5	51

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19	Agarose-Based Hierarchical Porous Carbons Prepared with Gas-Generating Activators and Used in High-Power Density Supercapacitors. Energy & Fuels, 2021, 35, 19775-19783.	2.5	5
20	Bipyridyl/carbazolate silver(I) and gold(I) Nâ€heterocyclic carbene complexes: A systematic study of geometric constraints and electronic properties. Applied Organometallic Chemistry, 2020, 34, e5335.	1.7	6
21	Band alignment of BeO gate dielectric grown by atomic-layer deposition on AlGaN/GaN HEMTs. Applied Surface Science, 2020, 505, 144107.	3.1	3
22	A systematic study of stereochemical effects in homologous poly(alkenamer)s: Dewar benzene versus norbornene. Journal of Polymer Science, 2020, 58, 1687-1698.	2.0	2
23	Glass fabric reinforced polybenzoxazine composites filled with nanosilica: A High impact response poises use as strike panels in multilayered armor applications. Journal of Materials Research and Technology, 2020, 9, 12723-12736.	2.6	8
24	Agar-reduced graphene oxide selectively adsorbs organic dyes and strengthens double-network hydrogels. RSC Advances, 2020, 10, 29287-29295.	1.7	4
25	Direct laser writing of poly(phenylene vinylene) on poly(barrelene). Polymer Chemistry, 2020, 11, 5437-5443.	1.9	4
26	Atom Transfer Radical Polymerization in the Solidâ€State. Angewandte Chemie - International Edition, 2020, 59, 13929-13935.	7.2	32
27	Synthesis of Honeycombâ€Structured Beryllium Oxide via Graphene Liquid Cells. Angewandte Chemie, 2020, 132, 15864-15870.	1.6	0
28	Soluble asphaltene oxide: a homogeneous carbocatalyst that promotes synthetic transformations. RSC Advances, 2020, 10, 15598-15603.	1.7	7
29	Computational Investigations of the Effects of N-Heterocyclic Carbene Ligands on the Mechanism, Reactivity, and Regioselectivity of Rh-Catalyzed Hydroborations. ACS Catalysis, 2020, 10, 3820-3827.	5.5	16
30	Hydrogenated Poly(Dewar benzene): A Compact Cyclic Olefin Polymer with Enhanced Thermomechanical Properties. Macromolecules, 2020, 53, 3202-3208.	2.2	8
31	Potentiostatically Controlled Olefin Metathesis. Organometallics, 2020, 39, 1744-1750.	1.1	10
32	Atom Transfer Radical Polymerization in the Solidâ€State. Angewandte Chemie, 2020, 132, 14033-14039.	1.6	4
33	Redox-switchable olefin cross metathesis (CM) reactions and acyclic diene metathesis (ADMET) polymerizations. Materials Chemistry Frontiers, 2019, 3, 2083-2089.	3.2	3
34	Photoinitiated ringâ€opening metathesis polymerization. Journal of Polymer Science Part A, 2019, 57, 1791-1795.	2.5	12
35	Stereoelectronically Directed Photodegradation of Poly(adamantyl Vinyl Ketone). Macromolecular Rapid Communications, 2019, 40, 1900302.	2.0	3
36	Asphaltene oxide promotes a broad range of synthetic transformations. Communications Chemistry, 2019, 2, .	2.0	18

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37	Crystal properties of atomic-layer deposited beryllium oxide on crystal and amorphous substrates. Semiconductor Science and Technology, 2019, 34, 115021.	1.0	4
38	Cyclic (Aryl)(Amido)Carbenes: NHCs with Tripletâ€like Reactivity. Angewandte Chemie - International Edition, 2019, 58, 16320-16325.	7.2	23
39	Effect of Copper Substrate Surface Orientation on the Reductive Functionalization of Graphene. Chemistry of Materials, 2019, 31, 8639-8648.	3.2	6
40	Cyclic (Aryl)(Amido)Carbenes: NHCs with Tripletâ€like Reactivity. Angewandte Chemie, 2019, 131, 16466-16471.	1.6	9
41	Polarization modulation effect of BeO on AlGaN/GaN high-electron-mobility transistors. Applied Physics Letters, 2019, 115, .	1.5	8
42	Oxygen atom transfer: a mild and efficient method for generating iminyl radicals. Chemical Communications, 2019, 55, 7061-7064.	2.2	3
43	Covalent Confinement of Sulfur Copolymers onto Graphene Sheets Affords Ultrastable Lithiumâ€“Sulfur Batteries with Fast Cathode Kinetics. ACS Applied Materials & Interfaces, 2019, 11, 13234-13243.	4.0	50
44	Unveiling a Masked Polymer of Dewar Benzene Reveals trans-Poly(acetylene). Macromolecules, 2019, 52, 2923-2931.	2.2	17
45	Redox- and light-switchable N-heterocyclic carbenes: a â€œsoup-to-nutsâ€•course on contemporary structureâ€“activity relationships. Chemical Communications, 2019, 55, 4451-4466.	2.2	53
46	Design, synthesis and study of a photochromic Î±,Ï‰-diene: toward new classes of photoswitchable polymers. Organic and Biomolecular Chemistry, 2019, 17, 2486-2491.	1.5	4
47	Dewar lactone as a modular platform to a new class of substituted poly(acetylene)s. Polymer Chemistry, 2019, 10, 6401-6412.	1.9	13
48	Anisotropic, Organic Ionic Plastic Crystal Mesophases from Persubstituted Imidazolium Pentacyanocyclopentadienide Salts. Chemistry of Materials, 2019, 31, 9593-9603.	3.2	18
49	Domain epitaxy of crystalline BeO films on GaN and ZnO substrates. Journal of the American Ceramic Society, 2019, 102, 3745-3752.	1.9	12
50	Substituted Azolium Disposition: Examining the Effects of Alkyl Placement on Thermal Properties. Crystals, 2019, 9, 34.	1.0	4
51	Covalent bonding of sulfur nanoparticles to unzipped multiwalled carbon nanotubes for high-performance lithiumâ€“sulfur batteries. Nanotechnology, 2019, 30, 024001.	1.3	22
52	Ru(II)â€based antineoplastic: A â€œwingtipâ€•Nâ€heterocyclic carbene facilitates access to a new class of organometallics that are cytotoxic to common cancer cell lines. Applied Organometallic Chemistry, 2019, 33, e4692.	1.7	9
53	Dicyanamide Salts that Adopt Smectic, Columnar, or Bicontinuous Cubic Liquidâ€Crystalline Mesophases. Chemistry - A European Journal, 2018, 24, 6399-6411.	1.7	12
54	Electronic Tuning and Catalytic Activity of a Novel Pd(II) Complex Supported by a Tetracoordinate Ligand. ChemistrySelect, 2018, 3, 13284-13288.	0.7	0

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55	Synthesis and Study of Palladium(II) and Platinum(II) Complexes Supported by a Common â€œWingtipâ€• Nâ€Heterocyclic Carbene. ChemistrySelect, 2018, 3, 10732-10737.	0.7	1
56	Ascertaining the Carbon Hybridization States of Synthetic Polymers with X-ray Induced Auger Electron Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 11855-11861.	1.5	16
57	Controlled Syntheses of Poly(phenylene ethynylene)s with Regiochemically-Tuned Optical Band Gaps and Ordered Morphologies. Macromolecules, 2018, 51, 5972-5978.	2.2	12
58	Metal-promoted C1 polymerizations. Coordination Chemistry Reviews, 2018, 374, 261-278.	9.5	56
59	Synthesis and cytotoxic characteristics displayed by a series of Ag(<scp>i</scp>)-, Au(<scp>i</scp>)- and Au(<scp>iii</scp>)-complexes supported by a common N-heterocyclic carbene. New Journal of Chemistry, 2018, 42, 13948-13956.	1.4	20
60	Isoelectronic Pt(<scp>ii</scp>)â€“ and Au(<scp>iii</scp>)â€“N-heterocyclic carbene complexes: a structural and biological comparison. New Journal of Chemistry, 2018, 42, 10704-10711.	1.4	15
61	Poly(polyhedral)s: synthesis and study of a new class of polyurethanes composed of homocubanes. Polymer International, 2018, 67, 1664-1669.	1.6	2
62	Direct azidation of isotactic polypropylene and synthesis of â€˜grafted toâ€™ derivatives thereof using azideâ€“alkyne cycloaddition chemistry. Polymer International, 2017, 66, 70-76.	1.6	32
63	Tuning the Surface Properties of Graphene Oxide by Surface-Initiated Polymerization of Epoxides: An Efficient Method for Enhancing Gas Separation. ACS Applied Materials & Interfaces, 2017, 9, 4998-5005.	4.0	53
64	Real-Time, in Situ Monitoring of the Oxidation of Graphite: Lessons Learned. Chemistry of Materials, 2017, 29, 2150-2156.	3.2	68
65	Coreâ€“Shell Structured Polyamide 66 Nanofibers with Enhanced Flame Retardancy. ACS Omega, 2017, 2, 2665-2671.	1.6	31
66	A redox-switchable ring-closing metathesis catalyst. Inorganic Chemistry Frontiers, 2017, 4, 1525-1532.	3.0	18
67	Sodide and Organic Halides Effect Covalent Functionalization of Single-Layer and Bilayer Graphene. Journal of the American Chemical Society, 2017, 139, 4202-4210.	6.6	27
68	Burgess Reagent Facilitated Alcohol Oxidations in DMSO. Journal of Organic Chemistry, 2017, 82, 1046-1052.	1.7	19
69	A Photoswitchable Olefin Metathesis Catalyst. Organometallics, 2017, 36, 490-497.	1.1	69
70	A Ringâ€Opening Metathesis Polymerization Catalyst That Exhibits Redoxâ€Switchable Monomer Selectivities. Chemistry - A European Journal, 2017, 23, 5994-6000.	1.7	27
71	Lightweight and Ultrastrong Polymer Foams with Unusually Superior Flame Retardancy. ACS Applied Materials & Interfaces, 2017, 9, 26392-26399.	4.0	66
72	Growth and Characterization of BeO Thin Films Grown by Atomic Layer Deposition Using H₂O and O₃ as Oxygen Sources. Journal of Physical Chemistry C, 2017, 121, 17498-17504.	1.5	13

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73	Atomic-Layer Deposition of Single-Crystalline BeO Epitaxially Grown on GaN Substrates. ACS Applied Materials & Interfaces, 2017, 9, 41973-41979.	4.0	14
74	Advanced Silicon-on-Insulator: Crystalline Silicon on Atomic Layer Deposited Beryllium Oxide. Scientific Reports, 2017, 7, 13205.	1.6	10
75	Remote control grubbs catalysts that modulate ringâ€opening metathesis polymerizations. Journal of Polymer Science Part A, 2017, 55, 2949-2960.	2.5	34
76	OberflÃchenmodifizierung von Wasseraufbereitungsmembranen. Angewandte Chemie, 2017, 129, 4734-4788.	1.6	58
77	Halides with Fifteen Aliphatic Câ€“HÂ·Â·Â·Anion Interaction Sites. Scientific Reports, 2016, 6, 30123.	1.6	7
78	Controlled Growth of Well-Defined Conjugated Polymers from the Surfaces of Multiwalled Carbon Nanotubes: Photoresponse Enhancement via Charge Separation. ACS Nano, 2016, 10, 5189-5198.	7.3	34
79	Ionic Liquid Crystals: Versatile Materials. Chemical Reviews, 2016, 116, 4643-4807.	23.0	617
80	Synthesis of Degradable Poly[(Ethylene Glycol)â€•co â€(Glycolic Acid)] via the Postâ€Polymerization Oxyfunctionalization of Poly(Ethylene Glycol). Macromolecular Rapid Communications, 2016, 37, 1587-1592.	2.0	16
81	N,Nâ€²-Diamidocarbenes: Isolable Divalent Carbons with Bona Fide Carbene Reactivity. Accounts of Chemical Research, 2016, 49, 1458-1468.	7.6	109
82	Birch-Type Hydrogenation of Few-Layer Graphenes: Products and Mechanistic Implications. Journal of the American Chemical Society, 2016, 138, 14980-14986.	6.6	27
83	Rapid thermal decomposition of confined graphene oxide films in air. Carbon, 2016, 101, 71-76.	5.4	65
84	A cyclic (alkyl)(amido)carbene: synthesis, study and utility as a desulfurization reagent. Chemical Communications, 2016, 52, 5447-5450.	2.2	37
85	Low Adsorption of Magnetite Nanoparticles with Uniform Polyelectrolyte Coatings in Concentrated Brine on Model Silica and Sandstone. Industrial & Engineering Chemistry Research, 2016, 55, 1522-1532.	1.8	31
86	Switchable Polymerization Catalysts. Chemical Reviews, 2016, 116, 1969-1992.	23.0	281
87	Post-polymerization modification of poly(vinyl ether)s: a Ru-catalyzed oxidative synthesis of poly(vinyl ester)s and poly(propenyl ester)s. Polymer Chemistry, 2016, 7, 63-68.	1.9	8
88	An Isolable, Photoswitchable Nâ€Heterocyclic Carbene: Onâ€Demand Reversible Ammonia Activation. Angewandte Chemie - International Edition, 2015, 54, 11559-11563.	7.2	45
89	Poly(2-imino-4-oxazolidinone)s via the Condensation of Diamidocarbenes with Bis(isocyanate)s. Macromolecules, 2015, 48, 9081-9084.	2.2	2
90	Tunable Functionalization of Graphene Oxide Sheets through Surface-Initiated Cationic Polymerization. Macromolecules, 2015, 48, 994-1001.	2.2	60

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91	Flow enhancement of water-based nanoparticle dispersion through microscale sedimentary rocks. Scientific Reports, 2015, 5, 8702.	1.6	30
92	An insight into non-emissive excited states in conjugated polymers. Nature Communications, 2015, 6, 8246.	5.8	48
93	Controlled Synthesis of an Alternating Donorâ€“Acceptor Conjugated Polymer via Kumada Catalyst-Transfer Polycondensation. ACS Macro Letters, 2015, 4, 1254-1258.	2.3	37
94	Assessing the reactivity of the N,Nâ€²â€diamidocarbenes toward compounds containing early pâ€block elements. Journal of Physical Organic Chemistry, 2015, 28, 75-78.	0.9	14
95	Cytotoxicity of silver(<scp>i</scp>), gold(<scp>i</scp>) and gold(<scp>iii</scp>) complexes of a pyridine wingtip substituted annelated N-heterocyclic carbene. RSC Advances, 2014, 4, 60776-60784.	1.7	21
96	The enhanced photothermal effect of graphene/conjugated polymer composites: photoinduced energy transfer and applications in photocontrolled switches. Chemical Communications, 2014, 50, 14345-14348.	2.2	93
97	L_gâ€‰=â€‰100â€‰nm In_{0.7}Ga_{0.3}As quantum well metal-oxide semiconductor field-effect transistors with atomic layer deposited beryllium oxide as interfacial layer. Applied Physics Letters, 2014, 104, 163502.	1.5	7
98	Synthesis of a Donorâ€“Acceptor Diblock Copolymer via Two Mechanistically Distinct, Sequential Polymerizations Using a Single Catalyst. Macromolecular Rapid Communications, 2014, 35, 204-209.	2.0	19
99	Reductive generation of stable, five-membered N,Nâ€²-diamidocarbenes. Chemical Communications, 2014, 50, 4551.	2.2	56
100	N-heterocyclic carbene supported Au(<scp>i</scp>) and Au(<scp>iii</scp>) complexes: a comparison of cytotoxicities. New Journal of Chemistry, 2014, 38, 1218-1224.	1.4	43
101	Dihaloimidazolidinediones as Versatile Halodehydrating Agents. Chemistry - A European Journal, 2014, 20, 13487-13490.	1.7	25
102	Novel Gold(I)â€“ and Gold(III)â€“N-Heterocyclic Carbene Complexes: Synthesis and Evaluation of Their Anticancer Properties. Organometallics, 2014, 33, 2544-2548.	1.1	67
103	Dynamic 2D manganese(ii) isonicotinate framework with reversible crystal-to-amorphous transformation and selective guest adsorption. CrystEngComm, 2014, 16, 4959.	1.3	21
104	Electrochromic Poly(acetylene)s with Switchable Visible/Nearâ€IR Absorption Characteristics. Macromolecular Rapid Communications, 2014, 35, 210-213.	2.0	11
105	1,6â€Enyne Cyclizations Catalyzed by Nâ€Heterocyclic Carbene Supported Gold Complexes: Deconvoluting Sterics and Electronics. European Journal of Organic Chemistry, 2014, 2014, 493-497.	1.2	29
106	Harnessing the chemistry of graphene oxide. Chemical Society Reviews, 2014, 43, 5288.	18.7	709
107	A dual-fluorescent composite of graphene oxide and poly(3-hexylthiophene) enables the ratiometric detection of amines. Chemical Science, 2014, 5, 3130.	3.7	42
108	Synthesis of poly(3â€hexylthiophene)â€blockâ€poly(ethylene)â€blockâ€poly(3â€hexylthiophene) via a combination of ringâ€opening olefin metathesis polymerization and grignard metathesis polymerization. Journal of Polymer Science Part A, 2013, 51, 3810-3817.	2.5	12

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109	Photoswitchable NHC-promoted ring-opening polymerizations. Chemical Communications, 2013, 49, 5453.	2.2	117
110	Redoxâ€Switchable Ringâ€Closing Metathesis: Catalyst Design, Synthesis, and Study. Chemistry - A European Journal, 2013, 19, 10866-10875.	1.7	90
111	Illuminating Photoswitchable Catalysis. ACS Catalysis, 2013, 3, 1874-1885.	5.5	184
112	Metal-centered oxidations facilitate the removal of ruthenium-based olefin metathesis catalysts. Journal of Organometallic Chemistry, 2013, 745-746, 201-205.	0.8	17
113	N,Nâ€²â€Diamidocarbenes Facilitate Selective Cï£¿H Insertions and Transfer Hydrogenations. Chemistry - A European Journal, 2013, 19, 14773-14776.	1.7	38
114	Controlled Catalyst Transfer Polycondensation and Surface-Initiated Polymerization of a p-Phenyleneethynylene-Based Monomer. Journal of the American Chemical Society, 2013, 135, 4984-4987.	6.6	98
115	Elucidation of Carbene Ambiphilicity Leading to the Discovery of Reversible Ammonia Activation. Journal of the American Chemical Society, 2013, 135, 18798-18801.	6.6	65
116	Effect of interfacial dipoles on charge traps in organicâ€“inorganic hybrid solar cells. Journal of Materials Chemistry A, 2013, 1, 3258.	5.2	9
117	Synthesis and study of olefin metathesis catalysts supported by redox-switchable diaminocarbene[3]ferrocenophanes. Dalton Transactions, 2013, 42, 13251.	1.6	81
118	Synthesis of poly(ethylene-co-acrylic acid) via a tandem hydrocarboxylation/hydrogenation of poly(butadiene). Polymer Chemistry, 2013, 4, 2239-2245.	1.9	6
119	Graphite oxide activated zeolite NaY: applications in alcohol dehydration. Catalysis Science and Technology, 2013, 3, 135-139.	2.1	19
120	Selective surface functionalization at regions of high local curvature in graphene. Chemical Communications, 2013, 49, 677-679.	2.2	135
121	Photoswitchable Metal-Mediated Catalysis: Remotely Tuned Alkene and Alkyne Hydroborations. Organometallics, 2013, 32, 3121-3128.	1.1	87
122	Perspectives on poly(dopamine). Chemical Science, 2013, 4, 3796.	3.7	338
123	Mechanobiochemistry: harnessing biomacromolecules for force-responsive materials. Polymer Chemistry, 2013, 4, 3916.	1.9	44
124	Polymer mechanochemistry: the design and study of mechanophores. Polymer International, 2013, 62, 2-12.	1.6	135
125	Examining the interlayer interactions formed between reduced graphene oxide and ionic liquids. MRS Communications, 2013, 3, 67-71.	0.8	1
126	Pyridine- and pyrimidine-functionalized poly(sulfone)s: performance-enhancing crosslinkers for acid/base blend proton exchange membranes used in direct methanol fuel cells. RSC Advances, 2013, 4, 2167-2176.	1.7	9

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127	Poly(methyl methacrylate) copolymers containing dipyrrolylquinoxaline receptors for the colorimetric detection of halide anion salts. Supramolecular Chemistry, 2012, 24, 101-105.	1.5	7
128	Effect of Adsorbed Amphiphilic Copolymers on the Interfacial Activity of Superparamagnetic Nanoclusters and the Emulsification of Oil in Water. Macromolecules, 2012, 45, 5157-5166.	2.2	66
129	Alkyne and Reversible Nitrile Activation: N,Nâ€²-Diamidocarbene-Facilitated Synthesis of Cyclopropenes, Cyclopropenones, and Azirines. Journal of the American Chemical Society, 2012, 134, 6116-6119.	6.6	66
130	Photoswitchable Organocatalysis: Using Light To Modulate the Catalytic Activities of N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2012, 134, 12693-12699.	6.6	164
131	Graphite oxide as a carbocatalyst for the preparation of fullerene-reinforced polyester and polyamide nanocomposites. Polymer Chemistry, 2012, 3, 757.	1.9	101
132	Controlled Chain-Growth Kumada Catalyst Transfer Polycondensation of a Conjugated Alternating Copolymer. Macromolecules, 2012, 45, 2321-2326.	2.2	60
133	Oligothiophene Nanoparticles: Photophysical and Electrogenerated Chemiluminescence Studies. Journal of Physical Chemistry Letters, 2012, 3, 2035-2038.	2.1	21
134	Advances in bis(Nâ€heterocyclic carbene) chemistry: new classes of structurally dynamic materials. Journal of Physical Organic Chemistry, 2012, 25, 531-543.	0.9	59
135	Exploring the nucleophilicity of N,Nâ€²â€diamidocarbenes: Heteroallenes and related compounds as coupling reagents. Journal of Physical Organic Chemistry, 2012, 25, 1027-1032.	0.9	26
136	Tuning the Electronic Properties of Carbenes: A Systematic Comparison of Neighboring Amino versus Amido Groups. Organometallics, 2012, 31, 3373-3378.	1.1	102
137	Porphyrinâ€“oligothiophene conjugates as additives for P3HT/PCBM solar cells. Journal of Materials Chemistry, 2012, 22, 18956.	6.7	9
138	Impact of Ionic Liquids on the Exfoliation of Graphite Oxide. Journal of Physical Chemistry C, 2012, 116, 7867-7873.	1.5	46
139	Graphite Oxide as an Olefin Polymerization Carbocatalyst: Applications in Electrochemical Double Layer Capacitors. Advanced Functional Materials, 2012, 22, 3247-3253.	7.8	68
140	A Computational Investigation of the Catalytic Properties of Graphene Oxide: Exploring Mechanisms by using DFT Methods. ChemCatChem, 2012, 4, 1844-1849.	1.8	129
141	Diamidocarbenes as versatile and reversible [2Â+Â1] cycloaddition reagents. Nature Chemistry, 2012, 4, 275-280.	6.6	99
142	Synthesis of conjugated diblock copolymers: two mechanistically distinct, sequential living polymerizations using a single catalyst. Polymer Chemistry, 2012, 3, 874.	1.9	42
143	Olefin Metathesis Catalysts Containing N,N-Diamidocarbenes. Organometallics, 2011, 30, 2278-2284.	1.1	66
144	Carbocatalysis: Heterogeneous carbons finding utility in synthetic chemistry. Chemical Science, 2011, 2, 1233.	3.7	358

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145	Graphite oxide: a selective and highly efficient oxidant of thiols and sulfides. Organic and Biomolecular Chemistry, 2011, 9, 7292.	1.5	224
146	Polythiopheneâ€“blockâ€“poly(Î³-benzyl L-glutamate): synthesis and study of a new rodâ€“rod block copolymer. Polymer Chemistry, 2011, 2, 300-302.	1.9	53
147	Epitaxial ALD BeO: Efficient Oxygen Diffusion Barrier for EOT Scaling and Reliability Improvement. IEEE Transactions on Electron Devices, 2011, 58, 4384-4392.	1.6	23
148	Reduction of graphite oxide using alcohols. Journal of Materials Chemistry, 2011, 21, 3443-3447.	6.7	383
149	Graphite Oxide as a Dehydrative Polymerization Catalyst: A One-Step Synthesis of Carbon-Reinforced Poly(phenylene methylene) Composites. Macromolecules, 2011, 44, 7659-7667.	2.2	124
150	Graphite Oxide as an Autoâ€Tandem Oxidationâ€“Hydrationâ€“Aldol Coupling Catalyst. Advanced Synthesis and Catalysis, 2011, 353, 528-532.	2.1	184
151	Photoswitchable Nâ€Heterocyclic Carbenes: Using Light to Modulate Electronâ€Donating Properties. Angewandte Chemie - International Edition, 2011, 50, 10322-10326.	7.2	87
152	The chemistry of graphene oxide. Chemical Society Reviews, 2010, 39, 228-240.	18.7	9,923
153	Graphene Oxide: A Convenient Carbocatalyst for Facilitating Oxidation and Hydration Reactions. Angewandte Chemie - International Edition, 2010, 49, 6813-6816.	7.2	269
154	A Seven-MemberedN,Nâ€²-Diamidocarbene. Organometallics, 2010, 29, 4569-4578.	1.1	117
155	A benzocrown-6-calix[4]arene methacrylate copolymer: Selective extraction of caesium ions from a multi-component system. Chemical Science, 2010, 1, 716.	3.7	34
156	Structurally Dynamic Conjugated Polymers. Macromolecules, 2010, 43, 6923-6935.	2.2	31
157	Differentially Substituted Acyclic Diaminocarbene Ligands Display Conformation-Dependent Donicities. Organometallics, 2010, 29, 3047-3053.	1.1	51
158	N,Nâ€²-Diamidoketenimines via Coupling of Isocyanides to an N-Heterocyclic Carbene. Journal of Organic Chemistry, 2010, 75, 2763-2766.	1.7	88
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