

Christopher W Bielawski

List of Publications by Year in Descending Order

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Version: 2024-04-27

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

190
papers

19,917
citations

56
h-index

140
g-index

201
ext. papers

21,556
ext. citations

8.1
avg. IF

7.28
L-index

#	Paper	IF	Citations
190	Covalently Grafting Sulfur-Containing Polymers to Carbon Nanotubes Enhances the Electrochemical Performance of Sulfur Cathodes. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 939-949	4.3	2
189	New classes of functionalized parylenes and poly(phenylene vinylene)s via coupling of dihaloxylyl diesters. <i>Polymer Chemistry</i> , 2022 , 13, 613-621	4.9	
188	C1 Polymerization of Fluorinated Aryl Diazomethanes.. <i>ACS Macro Letters</i> , 2022 , 11, 7-14	6.6	3
187	Coaxially grafting conjugated microporous polymers containing single-atom cobalt catalysts to carbon nanotubes enhances sulfur cathode reaction kinetics. <i>Chemical Engineering Journal</i> , 2022 , 444, 136546	14.7	2
186	Covalently Grafting Conjugated Porous Polymers to MXene Offers a Two-Dimensional Sandwich-Structured Electrocatalytic Sulfur Host for Lithium/Sulfur Batteries. <i>Chemical Engineering Journal</i> , 2022 , 137365	14.7	2
185	Single-Atom Catalyst Aggregates: Size-Matching is Critical to Electrocatalytic Performance in Sulfur Cathodes. <i>Advanced Science</i> , 2021 , e2103773	13.6	8
184	Agarose-Based Hierarchical Porous Carbons Prepared with Gas-Generating Activators and Used in High-Power Density Supercapacitors. <i>Energy & Fuels</i> , 2021 , 35, 19775-19783	4.1	1
183	Ice-Templated Large-Scale Preparation of Two-Dimensional Sheets of Conjugated Polymers: Thickness-Independent Flexible Supercapacitance. <i>ACS Nano</i> , 2021 , 15, 8870-8882	16.7	13
182	Nickel-catalyzed polymerization of a substituted sulfoxonium ylide. <i>Journal of Polymer Science</i> , 2021 , 59, 1787-1794	2.4	2
181	Ring Opening Metathesis Polymerization of Cyclic Allenes. <i>Macromolecules</i> , 2021 , 54, 6135-6143	5.5	3
180	Poly(carbyne)s via reductive C1 polymerization. <i>Polymer International</i> , 2021 , 70, 34-40	3.3	3
179	Effects of Alkyl-Substituted Polybenzoxazines on Tribological Properties of Non-Asbestos Composite Friction Materials. <i>Polymers</i> , 2021 , 13,	4.5	3
178	Regulating Lithium Plating and Stripping by Using Vertically Aligned Graphene/CNT Channels Decorated with ZnO Particles. <i>Chemistry - A European Journal</i> , 2021 , 27, 15706-15715	4.8	5
177	A Conjugated Porous Polymer Complexed with a Single-Atom Cobalt Catalyst as An Electrocatalytic Sulfur Host for Enhancing Cathode Reaction Kinetics. <i>Energy Storage Materials</i> , 2021 , 41, 14-23	19.4	19
176	Atom Transfer Radical Polymerization in the Solid-State. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13929-13935	16.4	13
175	Synthesis of Honeycomb-Structured Beryllium Oxide via Graphene Liquid Cells. <i>Angewandte Chemie</i> , 2020 , 132, 15864-15870	3.6	
174	Soluble asphaltene oxide: a homogeneous carbocatalyst that promotes synthetic transformations.. <i>RSC Advances</i> , 2020 , 10, 15598-15603	3.7	3

173	Computational Investigations of the Effects of N-Heterocyclic Carbene Ligands on the Mechanism, Reactivity, and Regioselectivity of Rh-Catalyzed Hydroborations. <i>ACS Catalysis</i> , 2020 , 10, 3820-3827	13.1	15
172	Hydrogenated Poly(Dewar benzene): A Compact Cyclic Olefin Polymer with Enhanced Thermomechanical Properties. <i>Macromolecules</i> , 2020 , 53, 3202-3208	5.5	6
171	Bipyridyl/carbazolate silver(I) and gold(I) N-heterocyclic carbene complexes: A systematic study of geometric constraints and electronic properties. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5335	3.1	4
170	Band alignment of BeO gate dielectric grown by atomic-layer deposition on AlGaIn/GaN HEMTs. <i>Applied Surface Science</i> , 2020 , 505, 144107	6.7	0
169	A systematic study of stereochemical effects in homologous poly(alkenamer)s: Dewar benzene versus norbornene. <i>Journal of Polymer Science</i> , 2020 , 58, 1687-1698	2.4	1
168	Glass fabric reinforced polybenzoxazine composites filled with nanosilica: A High impact response poises use as strike panels in multilayered armor applications. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 12723-12736	5.5	3
167	Agar-reduced graphene oxide selectively adsorbs organic dyes and strengthens double-network hydrogels.. <i>RSC Advances</i> , 2020 , 10, 29287-29295	3.7	3
166	Direct laser writing of poly(phenylene vinylene) on poly(barrelene). <i>Polymer Chemistry</i> , 2020 , 11, 5437-5443	4.5	4
165	Potentiostatically Controlled Olefin Metathesis. <i>Organometallics</i> , 2020 , 39, 1744-1750	3.8	5
164	Atom Transfer Radical Polymerization in the Solid-State. <i>Angewandte Chemie</i> , 2020 , 132, 14033-14039	3.6	3
163	Cyclic (Aryl)(Amido)Carbenes: NHCs with Triplet-like Reactivity. <i>Angewandte Chemie</i> , 2019 , 131, 16466-16471	6.7	7
162	Polarization modulation effect of BeO on AlGaIn/GaN high-electron-mobility transistors. <i>Applied Physics Letters</i> , 2019 , 115, 103502	3.4	6
161	Oxygen atom transfer: a mild and efficient method for generating iminyl radicals. <i>Chemical Communications</i> , 2019 , 55, 7061-7064	5.8	2
160	Covalent Confinement of Sulfur Copolymers onto Graphene Sheets Affords Ultrastable Lithium-Sulfur Batteries with Fast Cathode Kinetics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13234-13243	9.5	35
159	Unveiling a Masked Polymer of Dewar Benzene Reveals trans-Poly(acetylene). <i>Macromolecules</i> , 2019 , 52, 2923-2931	5.5	11
158	Redox- and light-switchable N-heterocyclic carbenes: a "soup-to-nuts" course on contemporary structure-activity relationships. <i>Chemical Communications</i> , 2019 , 55, 4451-4466	5.8	30
157	Redox-switchable olefin cross metathesis (CM) reactions and acyclic diene metathesis (ADMET) polymerizations. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2083-2089	7.8	1
156	Photoinitiated ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 1791-1795	1.1	11

155	Stereoelectronically Directed Photodegradation of Poly(adamantyl Vinyl Ketone). <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900302	4.8	0
154	Asphaltene oxide promotes a broad range of synthetic transformations. <i>Communications Chemistry</i> , 2019 , 2,	6.3	8
153	Crystal properties of atomic-layer deposited beryllium oxide on crystal and amorphous substrates. <i>Semiconductor Science and Technology</i> , 2019 , 34, 115021	1.8	1
152	Cyclic (Aryl)(Amido)Carbenes: NHCs with Triplet-like Reactivity. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16320-16325	16.4	14
151	Effect of Copper Substrate Surface Orientation on the Reductive Functionalization of Graphene. <i>Chemistry of Materials</i> , 2019 , 31, 8639-8648	9.6	2
150	Design, synthesis and study of a photochromic diene: toward new classes of photoswitchable polymers. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 2486-2491	3.9	2
149	Dewar lactone as a modular platform to a new class of substituted poly(acetylene)s. <i>Polymer Chemistry</i> , 2019 , 10, 6401-6412	4.9	8
148	Anisotropic, Organic Ionic Plastic Crystal Mesophases from Persubstituted Imidazolium Pentacyanocyclopentadienide Salts. <i>Chemistry of Materials</i> , 2019 , 31, 9593-9603	9.6	10
147	Domain epitaxy of crystalline BeO films on GaN and ZnO substrates. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 3745-3752	3.8	9
146	Substituted Azolium Disposition: Examining the Effects of Alkyl Placement on Thermal Properties. <i>Crystals</i> , 2019 , 9, 34	2.3	3
145	Covalent bonding of sulfur nanoparticles to unzipped multiwalled carbon nanotubes for high-performance lithium-sulfur batteries. <i>Nanotechnology</i> , 2019 , 30, 024001	3.4	18
144	Ru(II)-based antineoplastic: A π -heterocyclic carbene facilitates access to a new class of organometallics that are cytotoxic to common cancer cell lines. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4692	3.1	5
143	Dicyanamide Salts that Adopt Smectic, Columnar, or Bicontinuous Cubic Liquid-Crystalline Mesophases. <i>Chemistry - A European Journal</i> , 2018 , 24, 6399-6411	4.8	11
142	Controlled Syntheses of Poly(phenylene ethynylene)s with Regiochemically-Tuned Optical Band Gaps and Ordered Morphologies. <i>Macromolecules</i> , 2018 , 51, 5972-5978	5.5	8
141	Metal-promoted C1 polymerizations. <i>Coordination Chemistry Reviews</i> , 2018 , 374, 261-278	23.2	32
140	Synthesis and cytotoxic characteristics displayed by a series of Ag(I)-, Au(I)- and Au(III)-complexes supported by a common N-heterocyclic carbene. <i>New Journal of Chemistry</i> , 2018 , 42, 13948-13956	3.6	13
139	Isoelectronic Pt(II) and Au(III)-heterocyclic carbene complexes: a structural and biological comparison. <i>New Journal of Chemistry</i> , 2018 , 42, 10704-10711	3.6	11
138	Poly(polyhedral)s: synthesis and study of a new class of polyurethanes composed of homocubanes. <i>Polymer International</i> , 2018 , 67, 1664-1669	3.3	1

137	Electronic Tuning and Catalytic Activity of a Novel Pd(II) Complex Supported by a Tetracoordinate Ligand. <i>ChemistrySelect</i> , 2018 , 3, 13284-13288	1.8	
136	Synthesis and Study of Palladium(II) and Platinum(II) Complexes Supported by a Common Wingtip N-Heterocyclic Carbene. <i>ChemistrySelect</i> , 2018 , 3, 10732-10737	1.8	1
135	Ascertaining the Carbon Hybridization States of Synthetic Polymers with X-ray Induced Auger Electron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11855-11861	3.8	11
134	Direct azidation of isotactic polypropylene and synthesis of grafted derivatives thereof using azide-alkyne cycloaddition chemistry. <i>Polymer International</i> , 2017 , 66, 70-76	3.3	25
133	Tuning the Surface Properties of Graphene Oxide by Surface-Initiated Polymerization of Epoxides: An Efficient Method for Enhancing Gas Separation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4998-5005	9.5	38
132	Real-Time, in Situ Monitoring of the Oxidation of Graphite: Lessons Learned. <i>Chemistry of Materials</i> , 2017 , 29, 2150-2156	9.6	50
131	Core-Shell Structured Polyamide 66 Nanofibers with Enhanced Flame Retardancy. <i>ACS Omega</i> , 2017 , 2, 2665-2671	3.9	25
130	A redox-switchable ring-closing metathesis catalyst. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1525-1532	6.8	15
129	Sodium and Organic Halides Effect Covalent Functionalization of Single-Layer and Bilayer Graphene. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4202-4210	16.4	18
128	Burgess Reagent Facilitated Alcohol Oxidations in DMSO. <i>Journal of Organic Chemistry</i> , 2017 , 82, 1046-1052	10.52	13
127	A Photoswitchable Olefin Metathesis Catalyst. <i>Organometallics</i> , 2017 , 36, 490-497	3.8	64
126	A Ring-Opening Metathesis Polymerization Catalyst That Exhibits Redox-Switchable Monomer Selectivities. <i>Chemistry - A European Journal</i> , 2017 , 23, 5994-6000	4.8	21
125	Lightweight and Ultrastrong Polymer Foams with Unusually Superior Flame Retardancy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26392-26399	9.5	45
124	Growth and Characterization of BeO Thin Films Grown by Atomic Layer Deposition Using H ₂ O and O ₃ as Oxygen Sources. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17498-17504	3.8	11
123	Atomic-Layer Deposition of Single-Crystalline BeO Epitaxially Grown on GaN Substrates. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41973-41979	9.5	12
122	Advanced Silicon-on-Insulator: Crystalline Silicon on Atomic Layer Deposited Beryllium Oxide. <i>Scientific Reports</i> , 2017 , 7, 13205	4.9	8
121	Remote control Grubbs catalysts that modulate ring-opening metathesis polymerizations. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2949-2960	2.5	31
120	Oberflächenmodifizierung von Wasseraufbereitungsmembranen. <i>Angewandte Chemie</i> , 2017 , 129, 4734-4738	3.88	12

119	Post-polymerization modification of poly(vinyl ether)s: a Ru-catalyzed oxidative synthesis of poly(vinyl ester)s and poly(propenyl ester)s. <i>Polymer Chemistry</i> , 2016 , 7, 63-68	4.9	6
118	Synthesis of Degradable Poly[(Ethylene Glycol)-co-(Glycolic Acid)] via the Post-Polymerization Oxyfunctionalization of Poly(Ethylene Glycol). <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1587-1592	4.8	14
117	N,N'-Diamidocarbenes: Isolable Divalent Carbons with Bona Fide Carbene Reactivity. <i>Accounts of Chemical Research</i> , 2016 , 49, 1458-68	24.3	83
116	Birch-Type Hydrogenation of Few-Layer Graphenes: Products and Mechanistic Implications. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14980-14986	16.4	23
115	Rapid thermal decomposition of confined graphene oxide films in air. <i>Carbon</i> , 2016 , 101, 71-76	10.4	52
114	A cyclic (alkyl)(amido)carbene: synthesis, study and utility as a desulfurization reagent. <i>Chemical Communications</i> , 2016 , 52, 5447-50	5.8	34
113	Low Adsorption of Magnetite Nanoparticles with Uniform Polyelectrolyte Coatings in Concentrated Brine on Model Silica and Sandstone. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 1522-1532	3.9	29
112	Switchable Polymerization Catalysts. <i>Chemical Reviews</i> , 2016 , 116, 1969-92	68.1	226
111	Halides with Fifteen Aliphatic C-H...Anion Interaction Sites. <i>Scientific Reports</i> , 2016 , 6, 30123	4.9	5
110	Controlled Growth of Well-Defined Conjugated Polymers from the Surfaces of Multiwalled Carbon Nanotubes: Photoresponse Enhancement via Charge Separation. <i>ACS Nano</i> , 2016 , 10, 5189-98	16.7	32
109	Ionic Liquid Crystals: Versatile Materials. <i>Chemical Reviews</i> , 2016 , 116, 4643-807	68.1	476
108	Flow enhancement of water-based nanoparticle dispersion through microscale sedimentary rocks. <i>Scientific Reports</i> , 2015 , 5, 8702	4.9	22
107	An insight into non-emissive excited states in conjugated polymers. <i>Nature Communications</i> , 2015 , 6, 8246	17.4	34
106	Controlled Synthesis of an Alternating Donor-Acceptor Conjugated Polymer via Kumada Catalyst-Transfer Polycondensation. <i>ACS Macro Letters</i> , 2015 , 4, 1254-1258	6.6	31
105	Assessing the reactivity of the N,N'-diamidocarbenes toward compounds containing early p-block elements. <i>Journal of Physical Organic Chemistry</i> , 2015 , 28, 75-78	2.1	10
104	An Isolable, Photoswitchable N-Heterocyclic Carbene: On-Demand Reversible Ammonia Activation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11559-63	16.4	39
103	An Isolable, Photoswitchable N-Heterocyclic Carbene: On-Demand Reversible Ammonia Activation. <i>Angewandte Chemie</i> , 2015 , 127, 11721-11725	3.6	10
102	Poly(2-imino-4-oxazolidinone)s via the Condensation of Diamidocarbenes with Bis(isocyanate)s. <i>Macromolecules</i> , 2015 , 48, 9081-9084	5.5	1

101	Tunable Functionalization of Graphene Oxide Sheets through Surface-Initiated Cationic Polymerization. <i>Macromolecules</i> , 2015 , 48, 994-1001	5.5	53
100	Reductive generation of stable, five-membered N,N'-diamidocarbenes. <i>Chemical Communications</i> , 2014 , 50, 4551-3	5.8	47
99	N-heterocyclic carbene supported Au(I) and Au(III) complexes: a comparison of cytotoxicities. <i>New Journal of Chemistry</i> , 2014 , 38, 1218-1224	3.6	36
98	Dihaloimidazolidinediones as versatile halodehydrating agents. <i>Chemistry - A European Journal</i> , 2014 , 20, 13487-90	4.8	21
97	Novel Gold(I) and Gold(III)-Heterocyclic Carbene Complexes: Synthesis and Evaluation of Their Anticancer Properties. <i>Organometallics</i> , 2014 , 33, 2544-2548	3.8	56
96	Dynamic 2D manganese(II) isonicotinate framework with reversible crystal-to-amorphous transformation and selective guest adsorption. <i>CrystEngComm</i> , 2014 , 16, 4959	3.3	20
95	Electrochromic poly(acetylene)s with switchable visible/near-IR absorption characteristics. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 210-213	4.8	11
94	1,6-Enyne Cyclizations Catalyzed by N-Heterocyclic Carbene Supported Gold Complexes: Deconvoluting Sterics and Electronics. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 493-497	3.2	23
93	Harnessing the chemistry of graphene oxide. <i>Chemical Society Reviews</i> , 2014 , 43, 5288-301	58.5	584
92	A dual-fluorescent composite of graphene oxide and poly(3-hexylthiophene) enables the ratiometric detection of amines. <i>Chemical Science</i> , 2014 , 5, 3130	9.4	38
91	Mechanically Modulating the Photophysical Properties of Fluorescent Protein Biocomposites for Ratio- and Intensiometric Sensors. <i>Angewandte Chemie</i> , 2014 , 126, 5188-5192	3.6	4
90	Cytotoxicity of silver(I), gold(I) and gold(III) complexes of a pyridine wingtip substituted annelated N-heterocyclic carbene. <i>RSC Advances</i> , 2014 , 4, 60776-60784	3.7	18
89	The enhanced photothermal effect of graphene/conjugated polymer composites: photoinduced energy transfer and applications in photocontrolled switches. <i>Chemical Communications</i> , 2014 , 50, 14345-8	5.8	80
88	Pyridine- and pyrimidine-functionalized poly(sulfone)s: performance-enhancing crosslinkers for acid/base blend proton exchange membranes used in direct methanol fuel cells. <i>RSC Advances</i> , 2014 , 4, 2167-2176	3.7	8
87	Lg = 100 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. <i>Applied Physics Letters</i> , 2014 , 104, 163502	3.4	6
86	Synthesis of a donor-acceptor diblock copolymer via two mechanistically distinct, sequential polymerizations using a single catalyst. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 204-209	4.8	19
85	Synthesis of poly(3-hexylthiophene)-block-poly(ethylene)-block-poly(3-hexylthiophene) via a combination of ring-opening olefin metathesis polymerization and grignard metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3810-3817	2.5	12
84	Photoswitchable NHC-promoted ring-opening polymerizations. <i>Chemical Communications</i> , 2013 , 49, 5453-5	3.5	95

83	Redox-switchable ring-closing metathesis: catalyst design, synthesis, and study. <i>Chemistry - A European Journal</i> , 2013 , 19, 10866-75	4.8	80
82	Illuminating Photoswitchable Catalysis. <i>ACS Catalysis</i> , 2013 , 3, 1874-1885	13.1	154
81	Metal-centered oxidations facilitate the removal of ruthenium-based olefin metathesis catalysts. <i>Journal of Organometallic Chemistry</i> , 2013 , 745-746, 201-205	2.3	15
80	Stable Carbenes 2013 , 40-74		9
79	N,N'-diamidocarbenes facilitate selective C-H insertions and transfer hydrogenations. <i>Chemistry - A European Journal</i> , 2013 , 19, 14773-6	4.8	32
78	Controlled catalyst transfer polycondensation and surface-initiated polymerization of a p-phenyleneethynylene-based monomer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4984-7	16.4	89
77	Elucidation of carbene ambiphilicity leading to the discovery of reversible ammonia activation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18798-801	16.4	51
76	Effect of interfacial dipoles on charge traps in organic-inorganic hybrid solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3258	13	9
75	Synthesis and study of olefin metathesis catalysts supported by redox-switchable diaminocarbene[3]ferrocenophanes. <i>Dalton Transactions</i> , 2013 , 42, 13251-64	4.3	71
74	Synthesis of poly(ethylene-co-acrylic acid) via a tandem hydrocarboxylation/hydrogenation of poly(butadiene). <i>Polymer Chemistry</i> , 2013 , 4, 2239-2245	4.9	6
73	Graphite oxide activated zeolite NaY: applications in alcohol dehydration. <i>Catalysis Science and Technology</i> , 2013 , 3, 135-139	5.5	16
72	Selective surface functionalization at regions of high local curvature in graphene. <i>Chemical Communications</i> , 2013 , 49, 677-9	5.8	116
71	Druck erweckt Polymere zum Leben. <i>Angewandte Chemie</i> , 2013 , 125, 3894-3896	3.6	3
70	Photoswitchable Metal-Mediated Catalysis: Remotely Tuned Alkene and Alkyne Hydroborations. <i>Organometallics</i> , 2013 , 32, 3121-3128	3.8	79
69	Perspectives on poly(dopamine). <i>Chemical Science</i> , 2013 , 4, 3796	9.4	277
68	Mechanobiochemistry: harnessing biomacromolecules for force-responsive materials. <i>Polymer Chemistry</i> , 2013 , 4, 3916	4.9	42
67	Polymer mechanochemistry: the design and study of mechanophores. <i>Polymer International</i> , 2013 , 62, 2-12	3.3	119
66	Examining the interlayer interactions formed between reduced graphene oxide and ionic liquids. <i>MRS Communications</i> , 2013 , 3, 67-71	2.7	1

65	Effect of Adsorbed Amphiphilic Copolymers on the Interfacial Activity of Superparamagnetic Nanoclusters and the Emulsification of Oil in Water. <i>Macromolecules</i> , 2012 , 45, 5157-5166	5.5	56
64	Alkyne and reversible nitrile activation: N,N'-diamidocarbene-facilitated synthesis of cyclopropenes, cyclopropenones, and azirines. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6116-6124	16.4	59
63	Photoswitchable organocatalysis: using light to modulate the catalytic activities of N-heterocyclic carbenes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12693-9	16.4	152
62	Graphite oxide as a carbocatalyst for the preparation of fullerene-reinforced polyester and polyamide nanocomposites. <i>Polymer Chemistry</i> , 2012 , 3, 757	4.9	88
61	Controlled Chain-Growth Kumada Catalyst Transfer Polycondensation of a Conjugated Alternating Copolymer. <i>Macromolecules</i> , 2012 , 45, 2321-2326	5.5	56
60	Oligothiophene Nanoparticles: Photophysical and Electrogenenerated Chemiluminescence Studies. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2035-2038	6.4	19
59	Advances in bis(N-heterocyclic carbene) chemistry: new classes of structurally dynamic materials. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 531-543	2.1	58
58	Exploring the nucleophilicity of N,N'-diamidocarbenes: Heteroallenes and related compounds as coupling reagents. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 1027-1032	2.1	24
57	Tuning the Electronic Properties of Carbenes: A Systematic Comparison of Neighboring Amino versus Amido Groups. <i>Organometallics</i> , 2012 , 31, 3373-3378	3.8	93
56	Porphyrin/Oligothiophene conjugates as additives for P3HT/PCBM solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18956		8
55	Impact of Ionic Liquids on the Exfoliation of Graphite Oxide. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7867-7873	3.8	40
54	Graphite Oxide as an Olefin Polymerization Carbocatalyst: Applications in Electrochemical Double Layer Capacitors. <i>Advanced Functional Materials</i> , 2012 , 22, 3247-3253	15.6	63
53	A Mechanochemical Approach to Deracemization. <i>Angewandte Chemie</i> , 2012 , 124, 1672-1675	3.6	13
52	A Computational Investigation of the Catalytic Properties of Graphene Oxide: Exploring Mechanisms by using DFT Methods. <i>ChemCatChem</i> , 2012 , 4, 1844-1849	5.2	112
51	Diamidocarbenes as versatile and reversible [2 + 1] cycloaddition reagents. <i>Nature Chemistry</i> , 2012 , 4, 275-80	17.6	82
50	Synthesis of conjugated diblock copolymers: two mechanistically distinct, sequential living polymerizations using a single catalyst. <i>Polymer Chemistry</i> , 2012 , 3, 874	4.9	41
49	Poly(methyl methacrylate) copolymers containing dipyrrolylquinoxaline receptors for the colorimetric detection of halide anion salts. <i>Supramolecular Chemistry</i> , 2012 , 24, 101-105	1.8	7
48	Carbenes in Polymer Synthesis 2012 , 973-1010		

47	Carbocatalysis: Heterogeneous carbons finding utility in synthetic chemistry. <i>Chemical Science</i> , 2011 , 2, 1233	9.4	326
46	Graphite oxide: a selective and highly efficient oxidant of thiols and sulfides. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7292-5	3.9	202
45	Polythiophene-block-poly(L-benzyl L-glutamate): synthesis and study of a new rod-coil block copolymer. <i>Polymer Chemistry</i> , 2011 , 2, 300-302	4.9	51
44	. <i>IEEE Transactions on Electron Devices</i> , 2011 , 58, 4384-4392	2.9	22
43	Reduction of graphite oxide using alcohols. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3443-3447		342
42	Graphite Oxide as a Dehydrative Polymerization Catalyst: A One-Step Synthesis of Carbon-Reinforced Poly(phenylene methylene) Composites. <i>Macromolecules</i> , 2011 , 44, 7659-7667	5.5	110
41	Graphite Oxide as an Auto-Tandem Oxidation-Hydration-Aldol Coupling Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 528-532	5.6	170
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