Igor V Alabugin

List of Publications by Year
in descending order

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200 papers	9,871 citations	23500 58 h-index	46693 89 g-index

247 all docs	247 docs citations	247 times ranked	6765 citing authors

#	Article	IF	Citations
1	4.1 Strain-Promoted Azideâ€“Alkyne Cycloaddition (SPAAC): Background, Substrate Preparation, and Reactivity. , 2022, , .		0
2	A Special Issue in Honor of Professor Josef Michl. Chemistry, 2022, 4, 270-271.	0.9	0
3	Remote Stereoelectronic Effects in Pyrrolidone- and Caprolactam-Substituted Phenols: Discrepancies in Antioxidant Properties Evaluated by Electrochemical Oxidation and H-Atom Transfer Reactivity. Journal of Organic Chemistry, 2022, 87, 5371-5384.	1.7	4
4	3-Trifluoromethylbenzyne: Precise Orientation in Cycloaddition Reaction Enabled Regioselective Synthesis of Trifluoromethylated Triptycenes. Synthesis, 2022, 54, 4971-4978.	1.2	3
5	Inverse Î±-Effect as the Ariadneâ€™s Thread on the Way to Tricyclic Aminoperoxides: Avoiding Thermodynamic Traps in the Labyrinth of Possibilities. Journal of the American Chemical Society, 2022, 144, 7264-7282.	6.6	17
6	Carboxylate as a Non-innocent L-Ligand: Computational and Experimental Search for Metal-Bound Carboxylate Radicals. Organic Letters, 2022, 24, 3817-3822.	2.4	13
7	Localized Antiaromaticity Hotspot Drives Reductive Dehydrogenative Cyclizations in Bis- and Mono-Helicenes. Journal of the American Chemical Society, 2022, 144, 12321-12338.	6.6	15
8	A Swiss Army knife for surface chemistry. Science, 2022, 377, 261-262.	6.0	0
9	Organocatalytic sulfoxidation. Tetrahedron, 2021, 78, 131784.	1.0	6
10	How to Review a Paper. Journal of Chemical Health and Safety, 2021, 28, 14-18.	1.1	2
11	Cycloaromatization reactions. , 2021, , 339-375.		0
12	Stalling chromophore synthesis of the fluorescent protein Venus reveals the molecular basis of the final oxidation step. Chemical Science, 2021, 12, 7735-7745.	3.7	8
13	Stereoelectronic power of oxygen in control of chemical reactivity: the anomeric effect is not alone. Chemical Society Reviews, 2021, 50, 10253-10345.	18.7	80
14	Anomeric effect, hyperconjugation and electrostatics: lessons from complexity in a classic stereoelectronic phenomenon. Chemical Society Reviews, 2021, 50, 10212-10252.	18.7	78
15	Tribute to Josef Michl. Chemistry, 2021, 3, 440-443.	0.9	1
16	Marriage of Peroxides and Nitrogen Heterocycles: Selective Three-Component Assembly, Peroxide-Preserving Rearrangement, and Stereoelectronic Source of Unusual Stability of Bridged Azaozonides. Journal of the American Chemical Society, 2021, 143, 6634-6648.	6.6	18
17	Mapping Câ‹¯Hâ‹…â‹…â‹…M Interactions in Confined Spaces: (Î±â€CyD^{Me})Au, Ag, Cu Complexes Reveal â€œContraâ€electrostatic H Bondsâ€•Masquerading as Anagostic Interactions**. Chemistry - A European Journal, 2021, 27, 8127-8142.	1.7	18
18	Expanding Stereoelectronic Limits of endo-tet Cyclizations: Synthesis of Benz[b]azepines from Donorâ€“Acceptor Cyclopropanes. Journal of the American Chemical Society, 2021, 143, 13952-13961.	6.6	25

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19	New heterocycles via an intriguing visible-light-promoted 5-endo-dig cyclization. Chem Catalysis, 2021, 1, 976-977.	2.9	1
20	Cascade Transformations of 1-R-Ethynyl-9,10-anthraquinones with Amidines: Expanding Access to Isoaporphinoid Alkaloids. Molecules, 2021, 26, 6883.	1.7	2
21	Negative Charge as a Lens for Concentrating Antiaromaticity: Using a Pentagonal â€œDefectâ€•and Helicene Strain for Cyclizations. Angewandte Chemie - International Edition, 2020, 59, 1256-1262.	7.2	32
22	Negative Charge as a Lens for Concentrating Antiaromaticity: Using a Pentagonal â€œDefectâ€•and Helicene Strain for Cyclizations. Angewandte Chemie, 2020, 132, 1272-1278.	1.6	12
23	Lithium Salt Dissociation in Diblock Copolymer Electrolyte Using Fourier Transform Infrared Spectroscopy. Frontiers in Energy Research, 2020, 8, .	1.2	25
24	Determination of the pKaValues oftrans-Resveratrol, a Triphenolic Stilbene, by Singular Value Decomposition. Comparison with Theory. Journal of Physical Chemistry A, 2020, 124, 6294-6302.	1.1	11
25	How to Build Rigid Oxygen-Rich Tricyclic Heterocycles from Triketones and Hydrogen Peroxide: Control of Dynamic Covalent Chemistry with Inverse Î±-Effect. Journal of the American Chemical Society, 2020, 142, 14588-14607.	6.6	20
26	Antiaromaticity Gain Activates Tropone and Nonbenzenoid Aromatics as Normal-Electron-Demand Dielsâ€“Alder Dienes. Organic Letters, 2020, 22, 7083-7087.	2.4	18
27	Oxidative Photocyclization of Aromatic Schiff Bases in Synthesis of Phenanthridines and Other Aza-PAHs. International Journal of Molecular Sciences, 2020, 21, 5868.	1.8	15
28	Synthesis of unstrained Criegee intermediates: inverse Î±-effect and other protective stereoelectronic forces can stop Baeyerâ€“Villiger rearrangement of Î³-hydroperoxy-Î³-peroxylactones. Chemical Science, 2020, 11, 5313-5322.	3.7	22
29	Phenalenannulations: Threeâ€Point Double Annulation Reactions that Convert Benzenes into Pyrenes. Angewandte Chemie - International Edition, 2020, 59, 14352-14357.	7.2	15
30	Impact of Excited-State Antiaromaticity Relief in a Fundamental Benzene Photoreaction Leading to Substituted Bicyclo[3.1.0]hexenes. Journal of the American Chemical Society, 2020, 142, 10942-10954.	6.6	37
31	Outstanding Reviewers for Chemical Science in 2019. Chemical Science, 2020, 11, 5853-5854.	3.7	0
32	Twofold ï€-Extension of Polyarenes via Double and Triple Radical Alkyne peri-Annulations: Radical Cascades Converging on the Same Aromatic Core. Journal of the American Chemical Society, 2020, 142, 8352-8366.	6.6	28
33	Phenalenannulations: Threeâ€Point Double Annulation Reactions that Convert Benzenes into Pyrenes. Angewandte Chemie, 2020, 132, 14458-14463.	1.6	2
34	[1,5]-Sigmatropic Shifts Regulated by Built-in Frustration. Journal of Physical Chemistry A, 2020, 124, 6016-6028.	1.1	5
35	Testing the limits of radical-anionic CH-amination: a 10-million-fold decrease in basicity opens a new path to hydroxyisoindolinesviaa mixed Câ€“N/Câ€“O-forming cascade. Chemical Science, 2020, 11, 6539-6555.	3.7	30
36	Hochkonversion von Reduktionsmitteln. Angewandte Chemie, 2019, 131, 5588-5607.	1.6	14

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37	Upconversion of Reductants. Angewandte Chemie - International Edition, 2019, 58, 5532-5550.	7.2	61
38	Controlled Evolution of the Cope Rearrangement: Transition from Concerted to Interrupted and Aborted Pericyclic Reactions Regulated by a Switch Built from an Intramolecular Frustrated Lewis Pair. Journal of Organic Chemistry, 2019, 84, 14844-14853.	1.7	8
39	Peroxycarbenium Ions as the â€œGatekeepersâ€• in Reaction Design: Assistance from Inverse Alphaâ€Effect in Threeâ€Component Î²â€Alkoxyâ€Î²â€peroxylactones Synthesis. Chemistry - A European Journal, 2019, 25, 14460-14468.	1.7	15
40	Strain and stereoelectronics in cycloalkyne click chemistry. Mendeleev Communications, 2019, 29, 237-248.	0.6	39
41	Stereoelectronic Influence of a â€œSpectatorâ€•Propargylic Substituent Can Override Aromaticity Effects in Radical Peri-Cyclizations en Route to Expanded Polyaromatics. Journal of Organic Chemistry, 2019, 84, 1853-1862.	1.7	9
42	CO₂ or SO₂: Should It Stay, or Should It Go?. Journal of Organic Chemistry, 2019, 84, 6232-6243.	1.7	34
43	Alkynes as Synthetic Equivalents of Ketones and Aldehydes: A Hidden Entry into Carbonyl Chemistry. Molecules, 2019, 24, 1036.	1.7	46
44	Hyperconjugation. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1389.	6.2	80
45	Making endo-cyclizations favorable again: a conceptually new synthetic approach to benzotriazoles via azide group directed lithiation/cyclization of 2-azidoaryl bromides. Organic and Biomolecular Chemistry, 2019, 17, 4523-4534.	1.5	10
46	Optimizing Amineâ€Mediated Alkyneâ€“Allene Isomerization to Improve Benzannulation Cascades: Synergy between Theory and Experiments. European Journal of Organic Chemistry, 2019, 2019, 512-518.	1.2	19
47	Radical Alkyne peri â€Annulation Reactions for the Synthesis of Functionalized Phenalenes, Benzanthrenes, and Olympicene. Angewandte Chemie, 2018, 130, 3713-3717.	1.6	12
48	Alkyne Origami: Folding Oligoalkynes into Polyaromatics. Accounts of Chemical Research, 2018, 51, 1206-1219.	7.6	83
49	Interrupted Baeyerâ€“Villiger Rearrangement: Building A Stereoelectronic Trap for the Criegee Intermediate. Angewandte Chemie, 2018, 130, 3430-3434.	1.6	16
50	Radical Alkyne periâ€Annulation Reactions for the Synthesis of Functionalized Phenalenes, Benzanthrenes, and Olympicene. Angewandte Chemie - International Edition, 2018, 57, 3651-3655.	7.2	38
51	Interrupted Baeyerâ€“Villiger Rearrangement: Building A Stereoelectronic Trap for the Criegee Intermediate. Angewandte Chemie - International Edition, 2018, 57, 3372-3376.	7.2	64
52	Photochemical Activation of Enediyne Warheads: A Potential Tool for Targeted Antitumor Therapy. Molecular Pharmaceutics, 2018, 15, 768-797.	2.3	24
53	Stereoelectronic Effects: Analysis by Computational and Theoretical Methods. , 2018, , 451-502.		5
54	Ozone-Free Synthesis of Ozonides: Assembling Bicyclic Structures from 1,5-Diketones and Hydrogen Peroxide. Journal of Organic Chemistry, 2018, 83, 4402-4426.	1.7	44

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55	Isonitriles as Stereoelectronic Chameleons: The Donorâ€“Acceptor Dichotomy in Radical Additions. Journal of the American Chemical Society, 2018, 140, 14272-14288.	6.6	53
56	Five Roads That Converge at the Cyclic Peroxy-Criegee Intermediates: BF₃-Catalyzed Synthesis of Î²-Hydroperoxy-Î²-peroxylactones. Journal of Organic Chemistry, 2018, 83, 13427-13445.	1.7	20
57	Frontispiece: Stereoelectronic Chameleons: The Donorâ€“Acceptor Dichotomy of Functional Groups. Chemistry - A European Journal, 2017, 23, .	1.7	3
58	Full Cleavage of Câ‰¡C Bond in Electron-Deficient Alkynes via Reaction with Ethylenediamine. Australian Journal of Chemistry, 2017, 70, 421.	0.5	11
59	Drawing Catalytic Power from Charge Separation: Stereoelectronic and Zwitterionic Assistance in the Au(I)-Catalyzed Bergman Cyclization. Journal of the American Chemical Society, 2017, 139, 3406-3416.	6.6	73
60	Formaldehydeâ€Extruding Homolytic Aromatic Substitution via Câ†'O Transposition: Selective â€˜Tracelessâ€Linkerâ€™ access to Congested Biaryl Bonds. Chemistry - A European Journal, 2017, 23, 9091-9097.	1.7	11
61	Photoredox-Initiated Radical Cascades Enabling Collective Synthesis of 33 Natural Products. CheM, 2017, 2, 753-755.	5.8	6
62	Changing the path of least resistance, or access to endo-dig products via a sequence of three exo-trig transition states: electronic effects in homoallyic ring expansion cascades of alkenyl isonitriles. Organic and Biomolecular Chemistry, 2017, 15, 4135-4143.	1.5	10
63	Stereoelectronic Control in the Ozoneâ€Free Synthesis of Ozonides. Angewandte Chemie, 2017, 129, 5037-5041.	1.6	15
64	Stereoelectronic Control in the Ozoneâ€Free Synthesis of Ozonides. Angewandte Chemie - International Edition, 2017, 56, 4955-4959.	7.2	44
65	Coupling Radical Homoallylic Expansions with Câ€“C Fragmentations for the Synthesis of Heteroaromatics: Quinolines from Reactions of o-Alkenylarylisonitriles with Aryl, Alkyl, and Perfluoroalkyl Radicals. Journal of Organic Chemistry, 2017, 82, 4265-4278.	1.7	44
66	Regioselective Oneâ€Pot Synthesis of Triptycenes via Tripleâ€Cycloadditions of Arynes to Ynolates. Angewandte Chemie - International Edition, 2017, 56, 1298-1302.	7.2	65
67	Regioselective Oneâ€Pot Synthesis of Triptycenes via Tripleâ€Cycloadditions of Arynes to Ynolates. Angewandte Chemie, 2017, 129, 1318-1322.	1.6	40
68	Twisted Cycloalkynes and Remote Activation of â€œClickâ€•Reactivity. CheM, 2017, 3, 629-640.	5.8	33
69	Coupling Nâ€“H Deprotonation, Câ€“H Activation, and Oxidation: Metal-Free C(sp³)â€“H Aminations with Unprotected Anilines. Journal of the American Chemical Society, 2017, 139, 16210-16221.	6.6	78
70	Substituent effects on stereoselectivity of dihalocarbene reactions with cyclohexadiene and on the reactivity of bis-dihalocyclopropanes in electrophilic nitrations en route to pyrimidine N-oxides. Organic and Biomolecular Chemistry, 2017, 15, 9433-9441.	1.5	11
71	Organocatalyzed synthesis of fluorinated poly(aryl thioethers). Nature Communications, 2017, 8, 166.	5.8	33
72	Electrochemical behavior of Nâ€oxyphthalimides: Cascades initiating selfâ€sustaining catalytic reductive Nâ€•O bond cleavage. Journal of Physical Organic Chemistry, 2017, 30, e3744.	0.9	40

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73	Stereoelectronic Interactions as a Probe for the Existence of the Intramolecular Î±-Effect. Journal of the American Chemical Society, 2017, 139, 10799-10813.	6.6	66
74	Stereoelectronic Chameleons: The Donorâ€“Acceptor Dichotomy of Functional Groups. Chemistry - A European Journal, 2017, 23, 3225-3245.	1.7	95
75	The Baldwin rules: revised and extended. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2016, 6, 487-514.	6.2	120
76	Alkynes as Linchpins for the Additive Annulation of Biphenyls: Convergent Construction of Functionalized Fused Helicenes. Angewandte Chemie, 2016, 128, 12233-12237.	1.6	23
77	Double Câ€“H amination by consecutive SET oxidations. Chemical Communications, 2016, 52, 7138-7141.	2.2	35
78	Combining Traceless Directing Groups with Hybridization Control of Radical Reactivity: From Skipped Enynes to Defectâ€Free Hexagonal Frameworks. Angewandte Chemie, 2016, 128, 11805-11809.	1.6	10
79	Combining Traceless Directing Groups with Hybridization Control of Radical Reactivity: From Skipped Enynes to Defectâ€Free Hexagonal Frameworks. Angewandte Chemie - International Edition, 2016, 55, 11633-11637.	7.2	32
80	Alkynes as Linchpins for the Additive Annulation of Biphenyls: Convergent Construction of Functionalized Fused Helicenes. Angewandte Chemie - International Edition, 2016, 55, 12054-12058.	7.2	62
81	Optimizing Protonation States for Selective Double-Strand DNA Photocleavage in Hypoxic Tumors: pH-Gated Transitions of Lysine Dipeptides. Journal of Medicinal Chemistry, 2016, 59, 8634-8647.	2.9	8
82	Orbital Crossings Activated through Electron Injection: Opening Communication between Orthogonal Orbitals in Anionic C1â€“C5 Cyclizations of Enediynes. Journal of the American Chemical Society, 2016, 138, 15617-15628.	6.6	38
83	Domino Fragmentations in Traceless Directing Groups of Radical Cascades: Evidence for the Formation of Alkoxy Radicals via Câ€“O Scission. Journal of Organic Chemistry, 2016, 81, 6007-6017.	1.7	44
84	Fused Catechol Ethers from Gold(I)-Catalyzed Intramolecular Reaction of Propargyl Ethers with Acetals. Organic Letters, 2016, 18, 928-931.	2.4	14
85	Gold(I)-Catalyzed Allenyl Cope Rearrangement: Evolution from Asynchronicity to Trappable Intermediates Assisted by Stereoelectronic Switching. Journal of the American Chemical Society, 2016, 138, 2769-2779.	6.6	46
86	Oxidized Derivatives of n-Hexane from a Water/Argon Continuous Flow Electrical Discharge Plasma Reactor. Plasma Chemistry and Plasma Processing, 2016, 36, 553-584.	1.1	15
87	Opening Enediyne Scissors Wider: <scp>pH</scp>â€Dependent DNA Photocleavage by metaâ€Diyne Lysine Conjugates. Photochemistry and Photobiology, 2015, 91, 748-758.	1.3	8
88	Conformational Flexibility of Fused Tetracenedione Propellers Obtained from One-Pot Reductive Dimerization of Acetylenic Quinones. Journal of Organic Chemistry, 2015, 80, 1618-1631.	1.7	15
89	UV and Sunlight Driven Photoligation of Quantum Dots: Understanding the Photochemical Transformation of the Ligands. Journal of the American Chemical Society, 2015, 137, 2704-2714.	6.6	45
90	Synthesis of Functionalized Phenanthrenes via Regioselective Oxidative Radical Cyclization. Journal of Organic Chemistry, 2015, 80, 11706-11717.	1.7	59

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91	Coupling cyclizations with fragmentations for the preparation of heteroaromatics: quinolines from o-alkenyl arylisocyanides and boronic acids. Chemical Communications, 2015, 51, 12831-12834.	2.2	50
92	Alkenes as Alkyne Equivalents in Radical Cascades Terminated by Fragmentations: Overcoming Stereoelectronic Restrictions on Ring Expansions for the Preparation of Expanded Polyaromatics. Journal of the American Chemical Society, 2015, 137, 6335-6349.	6.6	88
93	The Missing C₁â€“C₅ Cycloaromatization Reaction: Triplet State Antiaromaticity Relief and Self-Terminating Photorelease of Formaldehyde for Synthesis of Fulvenes from Enynes. Journal of the American Chemical Society, 2015, 137, 15441-15450.	6.6	67
94	Reaction of Î±,Î²-alkynylketones with Î²-amino alcohols: pseudoephedrine- assisted cleavage of triple bond via formal internal redox process. Mendeleev Communications, 2015, 25, 377-379.	0.6	5
95	Stereoelectronic source of the anomalous stability of bis-peroxides. Chemical Science, 2015, 6, 6783-6791.	3.7	79
96	Traceless Directing Groups in Radical Cascades: From Oligoalkynes to Fused Helicenes without Tethered Initiators. Journal of the American Chemical Society, 2015, 137, 1165-1180.	6.6	94
97	Orbital hybridization: a key electronic factor in control of structure and reactivity. Journal of Physical Organic Chemistry, 2015, 28, 147-162.	0.9	109
98	Organic synthesis with continuous flow water film pulsed plasma discharge. , 2014, , .		1
99	A CO ₂ Cloak for the Cyanide Dagger. Science, 2014, 344, 45-46.	6.0	9
100	Formation of Alcohols and Carbonyl Compounds From Hexane and Cyclohexane With Water in a Liquid Film Plasma Reactor. IEEE Transactions on Plasma Science, 2014, 42, 1195-1205.	0.6	25
101	Exoâ€Dig Radical Cascades of Skipped Enediynes: Building a Naphthalene Moiety within a Polycyclic Framework. Chemistry - A European Journal, 2014, 20, 390-393.	1.7	27
102	Rh(I)-Catalyzed Transformation of Propargyl Vinyl Ethers into (E,Z)-Dienals: Stereoelectronic Role of trans Effect in a Metal-Mediated Pericyclic Process and a Shift from Homogeneous to Heterogeneous Catalysis During a One-Pot Reaction. Journal of Organic Chemistry, 2014, 79, 352-364.	1.7	29
103	Rerouting Radical Cascades: Intercepting the Homoallyl Ring Expansion in Enyne Cyclizations via Câ€“S Scission. Journal of Organic Chemistry, 2014, 79, 7491-7501.	1.7	30
104	Hybridization Trends for Main Group Elements and Expanding the Bentâ€™s Rule Beyond Carbon: More than Electronegativity. Journal of Physical Chemistry A, 2014, 118, 3663-3677.	1.1	86
105	Alkynyl Crown Ethers as a Scaffold for Hyperconjugative Assistance in Noncatalyzed Azideâ€“Alkyne Click Reactions: Ion Sensing through Enhanced Transition-State Stabilization. Journal of Organic Chemistry, 2014, 79, 6221-6232.	1.7	30
106	Synthesis of Substituted Biaryls through Goldâ€Catalyzed Petasisâ€“Ferrier Rearrangement of Propargyl Ethers. European Journal of Organic Chemistry, 2014, 2014, 3986-3990.	1.2	12
107	Design of Leaving Groups in Radical Cï£¿C Fragmentations: Throughâ€Bond 2câ€“3e Interactions in Selfâ€Terminating Radical Cascades. Chemistry - A European Journal, 2014, 20, 8664-8669.	1.7	64
108	Click chemistry on diterpenes: anti-inflammatory activity of the acetylenic derivatives of levopimaric acid and products of their transformations. Arkivoc, 2014, 2014, 145-157.	0.3	6

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109	â€œTwo Functional Groups in One Packageâ€• Using Both Alkyne Ï€-Bonds in Cascade Transformations. Journal of Organic Chemistry, 2013, 78, 7777-7784.	1.7	100
110	Stereocontrolled Synthesis of (E,Z)-Dienals via Tandem Rh(I)-Catalyzed Rearrangement of Propargyl Vinyl Ethers. Organic Letters, 2013, 15, 4462-4465.	2.4	30
111	Finding the right path: Baldwin â€œRules for Ring Closureâ€•and stereoelectronic control of cyclizations. Chemical Communications, 2013, 49, 11246.	2.2	142
112	Divergent Cyclizations of 1-R-Ethynyl-9,10-anthraquinones: Use of Thiourea as a â€œS^{2â€“}â€• Equivalent in an â€œAnchor-Relayâ€•Addition Mediated by Formal Câ€“H Activation. Journal of Organic Chemistry, 2013, 78, 2074-2082.	1.7	33
113	Gold(I)-Catalyzed Claisen Rearrangement of Allenyl Vinyl Ethers: Missing Transition States Revealed through Evolution of Aromaticity, Au(I) as an Oxophilic Lewis Acid, and Lower Energy Barriers from a High Energy Complex. Journal of Organic Chemistry, 2013, 78, 2059-2073.	1.7	46
114	Overriding the alkynophilicity of gold: catalytic pathways from higher energy Au(i)â€“substrate complexes and reactant deactivation via unproductive complexation in the gold(i)-catalyzed propargyl Claisen rearrangement. Organic and Biomolecular Chemistry, 2013, 11, 1624.	1.5	23
115	Combining Ligand Design with Photoligation to Provide Compact, Colloidally Stable, and Easy to Conjugate Quantum Dots. ACS Applied Materials & Interfaces, 2013, 5, 2861-2869.	4.0	42
116	How to Lose a Bond in Two Ways â€• The Diradical/Zwitterion Dichotomy in Cycloaromatization Reactions. European Journal of Organic Chemistry, 2013, 2013, 2505-2527.	1.2	86
117	Convenient Ambient Temperature Generation of Sulfonyl Radicals. Australian Journal of Chemistry, 2013, 66, 336.	0.5	22
118	Reinvestigation of â€œSingleâ€Crystal Xâ€ray Structure of 1,3â€dimethylcyclobutadieneâ€• Chemistry - A European Journal, 2013, 19, 4942-4945.	1.7	5
119	Concerted Reactions That Produce Diradicals and Zwitterions: Electronic, Steric, Conformational, and Kinetic Control of Cycloaromatization Processes. Chemical Reviews, 2013, 113, 7089-7129.	23.0	184
120	â€œStereoelectronic Umpolungâ€• Converting a p-Donor into a Ïƒ-Acceptor via Electron Injection and a Conformational Change. Organic Letters, 2013, 15, 2238-2241.	2.4	25
121	Moderating Strain without Sacrificing Reactivity: Design of Fast and Tunable Noncatalyzed Alkyneâ€“Azide Cycloadditions via Stereoelectronically Controlled Transition State Stabilization. Journal of the American Chemical Society, 2013, 135, 1558-1569.	6.6	120
122	Drawing from a Pool of Radicals for the Design of Selective Enyne Cyclizations. Organic Letters, 2013, 15, 5650-5653.	2.4	53
123	Chemical reactions in pulsed plasma with organic liquid spray. , 2013, , .		1
124	Tandem Nucleophilic Addition/Fragmentation of Vinylogous Acyl Nonaflates for the Synthesis of Functionalized Alkynes, with New Mechanistic Insight. Synthesis, 2012, 44, 1818-1824.	1.2	13
125	Photochemical Bergman Cyclization and Related Photoreactions of Enediynes. , 2012, , 549-592.		2
126	Hybrids of amino acids and acetylenic DNA-photocleavers: optimising efficiency and selectivity for cancer phototherapy. Organic and Biomolecular Chemistry, 2012, 10, 3974.	1.5	66

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127	Polyaromatic Ribbon/Benzofuran Fusion via Consecutive Endo Cyclizations of Enediynes. Organic Letters, 2012, 14, 6032-6035.	2.4	91
128	Aromatic Transition States in Nonpericyclic Reactions: Anionic 5-Endo Cyclizations Are Aborted Sigmatropic Shifts. Journal of the American Chemical Society, 2012, 134, 10584-10594.	6.6	78
129	Photoinduced Phase Transfer of Luminescent Quantum Dots to Polar and Aqueous Media. Journal of the American Chemical Society, 2012, 134, 16370-16378.	6.6	102
130	Polyaromatic Ribbons from Oligo-Alkynes via Selective Radical Cascade: Stitching Aromatic Rings with Polyacetylene Bridges. Journal of the American Chemical Society, 2012, 134, 9609-9614.	6.6	72
131	Strain control in nucleophilic cyclizations: reversal of exoâ€selectivity in cyclizations of hydrazides of acetylenyl carboxylic acids by annealing to a pyrazole scaffold. Journal of Physical Organic Chemistry, 2012, 25, 998-1005.	0.9	25
132	Selective Transition State Stabilization via Hyperconjugative and Conjugative Assistance: Stereoelectronic Concept for Copper-Free Click Chemistry. Journal of Organic Chemistry, 2012, 77, 75-89.	1.7	107
133	Strain-Promoted Azideâ€“Alkyne Cycloadditions of Benzocyclononynes. Journal of Organic Chemistry, 2012, 77, 2093-2097.	1.7	47
134	Dissecting Alkynes: Full Cleavage of Polarized Câ‰¡C Moiety via Sequential Bis-Michael Addition/Retro-Mannich Cascade. Journal of Organic Chemistry, 2011, 76, 7482-7490.	1.7	56
135	Urea as an organic solvent and reagent for the addition/cyclization/fragmentation cascades leading to 2-R-7H-dibenzo[de,h]quinolin-7-one analogues of Aporphinoid alkaloids. RSC Advances, 2011, 1, 1745.	1.7	19
136	Chameleonic Reactivity of Vicinal Diazonium Salt of Acetylenyl-9,10-anthraquinones: Synthetic Application toward Two Heterocyclic Targets. Journal of Organic Chemistry, 2011, 76, 8737-8748.	1.7	21
137	Engineering pH-Gated Transitions for Selective and Efficient Double-Strand DNA Photocleavage in Hypoxic Tumors. Journal of Medicinal Chemistry, 2011, 54, 8501-8516.	2.9	32
138	Rules for Anionic and Radical Ring Closure of Alkynes. Journal of the American Chemical Society, 2011, 133, 12608-12623.	6.6	143
139	Radical Oâ†'C Transposition: A Metal-Free Process for Conversion of Phenols into Benzoates and Benzamides. Journal of Organic Chemistry, 2011, 76, 1521-1537.	1.7	47
140	Fine-tuning alkyne cycloadditions: Insights into photochemistry responsible for the double-strand DNA cleavage via structural perturbations in diaryl alkyne conjugates. Beilstein Journal of Organic Chemistry, 2011, 7, 813-823.	1.3	18
141	Cyclizations of Alkynes: Revisiting Baldwinâ€™s Rules for Ring Closure. Chemical Reviews, 2011, 111, 6513-6556.	23.0	448
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