Bor-Cherng Hong

List of Publications by Year
in descending order

103	3,307	109264	175177
papers	citations	35 h-index	52 g-index

144	144	144	2594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A mild one-pot transformation of nitroalkanes to ketones or aldehydes via a visible-light photocatalysisâ€“hydrolysis sequence. Organic and Biomolecular Chemistry, 2022, 20, 3292-3302.	1.5	5
2	Total Synthesis of Ulodione A via a Double-Alkylation and DABCO Promoted Ring-Expansion Rearrangement Sequence. Organic Letters, 2022, 24, 3353-3357.	2.4	4
3	Stereoselective Cyclization Cascade of Dihydroquinoxalinones by Visible-Light Photocatalysis: Access to the Polycyclic Quinoxalin-2(1H)-ones. Organic Letters, 2022, 24, 5155-5160.	2.4	4
4	Control of the Organocatalytic Enantioselective Î±-Alkylation of Vinylogous Carbonyl Enolates for the Synthesis of Tetrahydropyran Derivatives and Beyond. Organic Letters, 2021, 23, 4688-4693.	2.4	10
5	Catalytic 1,2-Rearrangements: Organocatalyzed Michael/Semi-Pinacol-like Rearrangement Cascade of 1,3-Diones and Nitroolefins. Organic Letters, 2020, 22, 62-67.	2.4	7
6	Oxidative trimerization of indoles via water-assisted visible-light photoredox catalysis and the study of their anti-cancer activities. Organic and Biomolecular Chemistry, 2020, 18, 6247-6252.	1.5	11
7	Enantioselective synthesis enabled by visible light photocatalysis. Organic and Biomolecular Chemistry, 2020, 18, 4298-4353.	1.5	48
8	Enantioselective Synthesis of Yohimbine Analogues by an Organocatalytic and Pot-Economic Strategy. Journal of Organic Chemistry, 2019, 84, 12138-12147.	1.7	7
9	Direct Transformation of Nitroalkanes to Nitriles Enabled by Visible-Light Photoredox Catalysis and a Domino Reaction Process. Organic Letters, 2019, 21, 7750-7754.	2.4	16
10	Asymmetric Synthesis of Spirocyclopentane Oxindoles Containing Four Consecutive Stereocenters and Quaternary Î±-Nitro Esters via Organocatalytic Enantioselective Michaelâ€“Michael Cascade Reactions. ACS Omega, 2019, 4, 655-667.	1.6	12
11	Catalyst- and Substituent-Controlled Switching of Chemoselectivity for the Enantioselective Synthesis of Fully Substituted Cyclobutane Derivatives via 2 + 2 Annulation of Vinylogous Ketone Enolates and Nitroalkene. Organic Letters, 2018, 20, 7835-7839.	2.4	44
12	The azatryptophan-based fluorescent platform for in vitro rapid screening of inhibitors disrupting IKKÎ²-NEMO interaction. Bioorganic Chemistry, 2018, 81, 504-511.	2.0	4
13	Visible-light-induced C(sp3)â€“H activation for a Câ€“C bond forming reaction of 3,4-dihydroquinoxalin-2(1H)-one with nucleophiles using oxygen with a photoredox catalyst or under catalyst-free conditions. RSC Advances, 2018, 8, 19580-19584.	1.7	25
14	Organocatalytic Enantioselective Michaelâ€“Acetalizationâ€“Reductionâ€“Nef Reaction for a One-Pot Entry to the Functionalized Aflatoxin System. Total Synthesis of (â^')- Dihydroaflatoxin D₂ and (â^')- and (+)-Microminutinin. Organic Letters, 2017, 19, 3494-3497.	2.4	37
15	Enantioselective total synthesis of (+)-arborescidine C and related tetracyclic indole alkaloids using organocatalysis. Organic and Biomolecular Chemistry, 2017, 15, 3408-3412.	1.5	12
16	Organocatalytic Enantioselective Michaelâ€“Acetalizationâ€“Henry Reaction Cascade of 2-Hydroxynitrostyrene and 5-Oxohexanal for the Entry to the Hexahydro-6H-benzo[c]chromenones with Four Consecutive Stereogenic Centers and an Approach to Aflatoxin Analogues. Journal of Organic Chemistry, 2017, 82, 12840-12848.	1.7	19
17	Organocatalytic Enantioselective Michaelâ€“Michaelâ€“Michaelâ€“Aldol Condensation Reactions: Control of Six Stereocenters in a Quadruple-Cascade Asymmetric Synthesis of Polysubstituted Spirocyclic Oxindoles. Organic Letters, 2017, 19, 6112-6115.	2.4	33
18	Synthesis Of Biologically Active Bis(Indolyl)Methane Derivatives by Bisindole Alkylation of Tetrahydroisoquinolines with Visibleâ€Light Induced Ringâ€Opening Fragmentation.. Asian Journal of Organic Chemistry, 2017, 6, 426-431.	1.3	26

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19	Constructing densely functionalized Hajosâ€“Parrish-type ketones with six contiguous stereogenic centers and two quaternary carbons in a formal [2 + 2 + 2] cycloaddition cascade. RSC Advances, 2016, 6, 95314-95319.	1.7	6
20	Asymmetric synthesis of functionalized pyrrolizidines by an organocatalytic and pot-economy strategy. RSC Advances, 2016, 6, 8243-8247.	1.7	11
21	Organocatalytic Enantioselective Michaelâ€“Michaelâ€“Henry Reaction Cascade. An Entry to Highly Functionalized Hajosâ€“Parrish-Type Ketones with Five to Six Contiguous Stereogenic Centers and Two Quaternary Carbons. Organic Letters, 2016, 18, 1760-1763.	2.4	23
22	Asymmetric Synthesis of Natural Products and Medicinal Drugs through One-Pot-Reaction Strategies. Synthesis, 2015, 47, 3257-3285.	1.2	73
23	A New Approach to Nitrones through Cascade Reaction of Nitro Compounds Enabled by Visible Light Photoredox Catalysis. Organic Letters, 2015, 17, 2314-2317.	2.4	31
24	One-Pot Dichotomous Construction of Inside-Azayohimban and Pro-Azayohimban Systems via an Enantioselective Organocatalytic Cascade; Their Use as a Model to Probe the (Aza-)Indole Local Solvent Environment. Organic Letters, 2015, 17, 5816-5819.	2.4	14
25	One-Pot Organocatalytic Enantioselective Michaelâ€“Michaelâ€“Aldolâ€“Henry Reaction Cascade. A Facile Entry to the Steroid System with Six Contiguous Stereogenic Centers. Organic Letters, 2014, 16, 2724-2727.	2.4	42
26	Organocatalytic Enantioselective Michaelâ€“Michaelâ€“Michaelâ€“Aldol Condensation Reactions: Control of Five Stereocenters in a Quadruple-Cascade Asymmetric Synthesis of Highly Functionalized Hexahydrophenanthrenes. Organic Letters, 2014, 16, 5756-5759.	2.4	44
27	One-pot biomimetic total synthesis of yuehchukene via the organocatalytic alkylationâ€“cyclization process of a sterically encumbered Î±-alkyl enal. RSC Advances, 2014, 4, 59706-59715.	1.7	13
28	Locked ortho- and para-Core Chromophores of Green Fluorescent Protein; Dramatic Emission Enhancement via Structural Constraint. Journal of the American Chemical Society, 2014, 136, 11805-11812.	6.6	105
29	One-Pot Asymmetric Synthesis of Seven-Membered Carbocycles Cyclohepta[b]indoles via a Sequential Organocatalytic Michael/Double Friedelâ€“Crafts Alkylation Reaction. Organic Letters, 2013, 15, 3914-3917.	2.4	37
30	Sequential Asymmetric Catalysis in Michaelâ€“Michaelâ€“Michaelâ€“Aldol Reactions: Merging Organocatalysis with Photoredox Catalysis in a One-Pot Enantioselective Synthesis of Highly Functionalized Decalines Bearing a Quaternary Carbon Stereocenter. Organic Letters, 2013, 15, 6258-6261.	2.4	41
31	One-Pot Organocatalytic Enantioselective Domino Double-Michael Reaction and Pictet-Spenglerâ€“Lactamization Reaction. A Facile Entry to the â€œInside Yohimbaneâ€•System with Five Contiguous Stereogenic Centers. Organic Letters, 2013, 15, 468-471.	2.4	49
32	Organocatalytic Enantioselective Michaelâ€“Henry Acetalization of Glutaraldehyde and 3â€Arylâ€2â€nitropropâ€2â€enols: A Facile Entry to 3â€Oxabicyclo[3.3.1]nonanâ€2â€ones with Four Consecutive Stereogenic Centers. European Journal of Organic Chemistry, 2013, 2013, 2472-2478.	1.2	27
33	Organocatalyzed Michaelâ€“Henry reactions: enantioselective synthesis of cyclopentanecarbaldehydes via the dienamine organocatalysis of a succinaldehyde surrogate. Chemical Communications, 2012, 48, 7790.	2.2	26
34	Organocatalytic Asymmetric Anti-Selective Michael Reactions of Aldehydes and the Sequential Reduction/Lactonization/Pausonâ€“Khand Reaction for the Enantioselective Synthesis of Highly Functionalized Hydropentalenes. Organic Letters, 2012, 14, 5346-5349.	2.4	24
35	Enantioselective total synthesis of (+)-galbulinvia organocatalytic domino Michaelâ€“Michaelâ€“aldol condensation. Chemical Communications, 2012, 48, 2385-2387.	2.2	38
36	Organocatalytic Michaelâ€“Knoevenagelâ€“Hetero-Dielsâ€“Alder Reactions: An Efficient Asymmetric One-Pot Strategy to Isochromene Pyrimidinedione Derivatives. Organic Letters, 2012, 14, 448-451.	2.4	41

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37	The First Synthesis of Natural Occurring Juncaceae Coumarin, 9â€Hydroxyâ€8â€methylâ€3Hâ€benzo[f]chromenâ€3â€one, Featuring a Oneâ€pot Rearrangement and Aromatization Cascade. Journal of the Chinese Chemical Society, 2012, 59, 407-420.	0.8	1
38	Development of the Irelandâ€“Claisen Rearrangement of Allylâ€2â€alkoxyacetate Bearing an Allylic Amine and the Transformation to 3â€Hydroxyâ€4â€hydroxymethylpyrrolidine. Journal of the Chinese Chemical Society, 2012, 59, 273-282.	0.8	3
39	Thank You, Yung-Son â€¦. Journal of the Chinese Chemical Society, 2012, 59, n/a-n/a.	0.8	0
40	Dynamic Kinetic Asymmetric Synthesis of Five Contiguous Stereogenic Centers by Sequential Organocatalytic Stetter and Michaelâ^'Aldol Reaction: Enantioselective Synthesis of Fully Substituted Cyclopentanols Bearing a Quaternary Stereocenter. Organic Letters, 2011, 13, 1338-1341.	2.4	60
41	Asymmetric Synthesis of 3,4-Dihydrocoumarin Motif with an All-Carbon Quaternary Stereocenter via a Michaelâ€“Acetalization Sequence with Bifunctional Amine-thiourea Organocatalysts. Organic Letters, 2011, 13, 5758-5761.	2.4	68
42	Organocatalyzed Cycloadditions. , 2011, , 187-244.		10
43	Enantioselective organocatalytic domino Michaelâ€“acetalizationâ€“Henry reactions of 2-hydroxynitrostyrene and aldehyde for the synthesis of tetrahydro-6H-benzo[c]chromenones. Organic and Biomolecular Chemistry, 2011, 9, 382-386.	1.5	72
44	Enantioselective Organocatalytic Michaelâ^'Wittigâ^'Michaelâ^'Michael Reaction: Dichotomous Construction of Pentasubstituted Cyclopentanecarbaldehydes and Pentasubstituted Cyclohexanecarbaldehydes. Organic Letters, 2011, 13, 1278-1281.	2.4	46
45	Organocatalytic Domino Double Michael Reaction of Ethyl (E)-7-Oxohept-2-enoate and Î±,Î²-Unsaturated Aldehydes: Efficient Asymmetric Synthesis of Cyclohexanes with Four Contiguous Stereocenters. Synthesis, 2011, 2011, 1887-1895.	1.2	17
46	Sequential Organocatalytic Stetter and Michael-Aldol Condensation Reaction: Asymmetric Synthesis of Fully Substituted Cyclopentenes via a [1 + 2 + 2] Annulation Strategy. Organic Letters, 2010, 12, 4812-4815.	2.4	68
47	Enantioselective Total Synthesis of (+)-Conicol via Cascade Three-Component Organocatalysis. Organic Letters, 2010, 12, 776-779.	2.4	169
48	Enantioselective synthesis of the tetrahydro-6H-benzo[c]chromenes via Domino Michaelâ€“Aldol condensation: control of five stereocenters in a quadruple-cascade organocatalytic multi-component reaction. Tetrahedron Letters, 2009, 50, 704-707.	0.7	132
49	Organocatalytic Enantioselective Cascade Michaelâ^'Michaelâ^'Wittig Reactions of Phosphorus Ylides: One-Pot Synthesis of the all-cis Trisubstituted Cyclohexenecarboxylates via the [1 + 2 + 3] Annulation. Organic Letters, 2009, 11, 5246-5249.	2.4	57
50	Enantioselective synthesis of highly functionalized octahydro-6-oxo-1-phenylnaphthalene-2-carbaldehydes via organocatalytic domino reactions. Organic and Biomolecular Chemistry, 2009, 7, 3095.	1.5	32
51	Organocatalytic Double Michael Reaction of 7â€Oxoheptâ€2â€enoates and Nitrostyrene â€“ Formal Synthesis of (â€“)â€Î±â€and (â€“)â€Î²â€Lycorane. European Journal of Organic Chemistry, 2008, 2008, 1449-1457.	1.2	46
52	Proline-mediated dimerization of cinnamaldehydes via 1,3-dipolar cycloaddition reaction with azomethine ylides. A rapid access to highly functionalized hexahydro-1H-pyrrolizine. Tetrahedron Letters, 2008, 49, 5480-5483.	0.7	20
53	Organocatalytic Enantioselective Domino Michael-aldol Condensation of 5-Oxoalkanal and Î±,Î²-Unsaturated Aldehydes. Efficient Assembly of Densely Functionalized Cyclohexenes. Organic Letters, 2008, 10, 2345-2348.	2.4	73
54	Organocatalytic Asymmetric Robinson Annulation of Î±,Î²-Unsaturated Aldehydes:Â Applications to the Total Synthesis of (+)-Palitantin. Journal of Organic Chemistry, 2007, 72, 8459-8471.	1.7	115

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55	Synthesis of aromatic aldehydes by organocatalytic [4+2] and [3+3] cycloaddition of Î±,Î²-unsaturated aldehydes. Tetrahedron, 2007, 63, 2840-2850.	1.0	80
56	The organocatalytic direct self-trimerization of acrolein: application to the total synthesis of montiporyne F. Tetrahedron Letters, 2007, 48, 1121-1125.	0.7	18
57	Hetero Dielsâ€“Alder Cycloaddition of Indene for the Formal Synthesis of Onychnine. Synthetic Communications, 2006, 36, 1521-1528.	1.1	12
58	Enantioselective Organocatalytic Formal [3 + 3]-Cycloaddition of Î±,Î²-Unsaturated Aldehydes and Application to the Asymmetric Synthesis of (â^')-Isopulegol Hydrate and (â^')-Cubebaolâ€. Organic Letters, 2006, 8, 2217-2220.	2.4	138
59	Regioselective electrophilic substitutions of fulvenes with ethyl glyoxylate and subsequent Dielsâ€“Alder reactions. Tetrahedron, 2006, 62, 1425-1432.	1.0	8
60	Synthesis and properties of several isomers of the cardioactive steroid ouabain. Tetrahedron Letters, 2006, 47, 2711-2715.	0.7	22
61	Catalytic C-C Bond Formation in Natural Products Synthesis: Highlights From The Years 2000 â€“ 2005. Current Organic Chemistry, 2006, 10, 2191-2225.	0.9	15
62	Synthesis and Cytotoxicity Studies of Cyclohepta[b]indoles, Benzo[6,7]Cyclohepta[1,2-b]Indoles, Indeno[1,2-b]Indoles, and Benzo[a]Carbazoles. Journal of the Chinese Chemical Society, 2006, 53, 647-662.	0.8	29
63	Traceless Solid-Phase Synthesis of Cyclopenta[c]quinolines and Cyclopenta[c]chromenes via Hetero [6+3] Cycloadditions of Fulvene. A Facile Approach to the 11-Heterosteroids Framework. Journal of the Chinese Chemical Society, 2005, 52, 181-200.	0.8	7
64	Efficient synthesis of enantiomerically pure dihydropyrans. Tetrahedron Letters, 2005, 46, 1281-1285.	0.7	14
65	An unexpected inversion of enantioselectivity in the proline catalyzed intramolecular Baylisâ€“Hillman reaction. Tetrahedron Letters, 2005, 46, 8899-8903.	0.7	126
66	Azadiene Diels?Alder Cycloaddition of Fulvenes: A Facile Approach to the [1]Pyrindine System.. ChemInform, 2005, 36, no.	0.1	0
67	Efficient Synthesis of Enantiomerically Pure Dihydropyrans.. ChemInform, 2005, 36, no.	0.1	0
68	Efficient and stereodivergent synthesis of deoxyimino sugars. Carbohydrate Research, 2005, 340, 2457-2468.	1.1	14
69	Intramolecular Dielsâ^'Alder Cycloadditions of Fulvenes. Application to the Kigelinol, Neoamphilectane, and Kempane Skeletons. Organic Letters, 2005, 7, 557-560.	2.4	51
70	Formal [6 + 3] Cycloaddition of Fulvenes with 2H-Azirine: A Facile Approach to the [2]Pyrindines System.. ChemInform, 2004, 35, no.	0.1	0
71	Azadiene Dielsâ^'Alder Cycloaddition of Fulvenes:â€‰ A Facile Approach to the [1]Pyrindine System. Organic Letters, 2004, 6, 3453-3456.	2.4	39
72	Formal [6+3] cycloaddition of fulvenes with 2H-azirine: a facile approach to the [2]pyrindines system. Tetrahedron Letters, 2004, 45, 1663-1666.	0.7	29

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73	Hetero [6 + 3] Cycloaddition of Fulvenes with N-Alkylidene Glycine Esters: A Facile Synthesis of the Delavayine and Incarvillateine Framework.. ChemInform, 2003, 34, no.	0.1	0
74	Hetero [6+3] Cycloaddition of Fulvenes withN-Alkylidene Glycine Esters: A Facile Synthesis of the Delavayine and Incarvillateine Framework. Organic Letters, 2003, 5, 1689-1692.	2.4	47
75	Intramolecular [2+2] Photocycloadditionâ€Fragmentation: Facile Entry to a Novel Tricyclic 5â€6â€7 Ring System. Journal of the Chinese Chemical Society, 2003, 50, 917-926.	0.8	6
76	Unprecedented Microwave Effects on the Cycloaddition of Fulvenes. A New Approach to the Construction of Polycyclic Ring Systems. Organic Letters, 2002, 4, 663-666.	2.4	52
77	Novel [6 + 2] Cycloaddition of Fulvenes with Alkenes:â€‰ A Facile Synthesis of the Anislactone and Hirsutane Framework. Organic Letters, 2002, 4, 2249-2252.	2.4	66
78	Unprecedented sequential oxidative dimerization and cycloaddition of 1,3-diketones to fulvenes. A facile synthesis of the cyclopenta[b]chromenes. Tetrahedron Letters, 2001, 42, 935-938.	0.7	23
79	Microwave-assisted [6+4]-cycloaddition of fulvenes and Î±-pyrones to azuleneâ€“indoles: Facile syntheses of novel antineoplastic agents. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1981-1984.	1.0	53
80	A novel oxidative alkylationâ€“nitration of 1,3-dicarbonyl compounds to dicyclopentadiene and norborneneâ€Šâ€. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 2939-2942.	1.3	6
81	Traceless Solid-Phase Synthesis of Heterosteroid Framework. Organic Letters, 2000, 2, 2647-2649.	2.4	32
82	Unprecedented and novel hetero [6+3] cycloadditions of fulvene: a facile synthesis of the 11-oxasteroid framework. Chemical Communications, 1999, , 2125-2126.	2.2	23
83	Unprecedented oxidative addition of Î±-halo acyl halides to 6,6-dialkoxyfulvene. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1135-1138.	0.9	7
84	RECENT ADVANCES IN THE SYNTHESIS OF INDAN SYSTEMS. A REVIEW. Organic Preparations and Procedures International, 1999, 31, 1-86.	0.6	47
85	Bicyclo[3.2.1]octanes via McMurry Couplings. Synthetic Communications, 1999, 29, 3097-3106.	1.1	9
86	Regio- and Enantioselective Prenyl Anion Transfer: Application to the Total Synthesis of (â^')-Rosiridol. Angewandte Chemie - International Edition, 1998, 37, 468-470.	7.2	30
87	Lanthanide(III) Promoted Aldol Condensation of Enones and Aldehydes¹. Synthetic Communications, 1997, 27, 1191-1197.	1.1	7
88	A Simple and Cost Effective Synthesis of 2-Cyclopentadienyliden-1,3-Dioxolane. Synthetic Communications, 1997, 27, 3385-3394.	1.1	10
89	Metal-Mediated [6Â+Â3] Cycloaddition Reactions of Fulvenes. A Novel Approach to Indan Systems. Journal of Organic Chemistry, 1997, 62, 7717-7725.	1.7	40
90	Sequential â€œdouble-Michaelâ€•additions of dienolates to fulvene: Rapid access to the tricyclo[5.3.0.n2,5]alkane systems. Tetrahedron Letters, 1997, 38, 255-258.	0.7	16

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91	Facile synthesis of azulenols: [6 + 4] cycloadditions of fulveneketene acetal. Chemical Communications, 1996, , 937.	2.2	18
92	[6+3] Cycloaddition of fulveneketene acetal. Tetrahedron Letters, 1996, 37, 659-662.	0.7	17
93	Transannular radical reactions in bicycloalkanes with â€˜inside-outsideâ€™ stereochemistry. An unusual bridgehead hydroxylation. Tetrahedron Letters, 1995, 36, 683-686.	0.7	9
94	On the Protein Kinase C Pharmacophore: Synthesis and Biological Activity of 4-Hydroxylated Analogs of Ingenol. Synlett, 1995, 1995, 533-535.	1.0	6
95	Inside-outside stereoisomerism. VII. Methodology for the Synthesis of 3-Oxygenated Ingenanes. The First Ingenol Analogs with High Affinity for Protein Kinase C. Journal of Organic Chemistry, 1995, 60, 1381-1390.	1.7	20
96	Chemical Emulation of the Biosynthetic Route to Glycinoeclepin from a Cycloartenol Derivative. Journal of the American Chemical Society, 1994, 116, 3149-3150.	6.6	27
97	Inside-Outside Stereoisomerism. 6.+ Synthesis of trans-Bicyclo[4.4.1]undecan-11-one and the First Stereoselective Construction of the Tricyclic Nucleus of the Ring System of the Ingenane Diterpenes. Journal of the American Chemical Society, 1994, 116, 4183-4188.	6.6	23
98	Synthesis of ingenol analogs wth affinity for protein kinase C. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 577-580.	1.0	24
99	Inside-outside stereoisomerism. 5. Synthesis and reactivity of trans-bicyclo[n.3.1] alkanones prepared via the intramolecular photocycloaddition of dioxenones. Journal of the American Chemical Society, 1991, 113, 8839-8846.	6.6	26
100	Dichotomous regiochemistry of aldehyde and ketone in the reaction with dithio-substituted crotyllithium. Journal of Organic Chemistry, 1987, 52, 855-861.	1.7	44
101	Stereoselective reaction of dithio-substituted crotylmetal with .alpha.-oxy carbonyl compounds. Journal of Organic Chemistry, 1987, 52, 3162-3165.	1.7	13
102	Regio- and diastereoselective reactions of dithio-substituted crotyllithium and aldehydes. Journal of Organic Chemistry, 1986, 51, 2828-2829.	1.7	20
103	A Convergent Synthesis of (Â±)-Eldanolide Based on Reaction of Aldehyde with Dithio-Substituted Crotyllithium Compound. Synthetic Communications, 1986, 16, 523-527.	1.1	7