Akihiko Ishii

List of Publications by Year
in descending order

99 papers	1,708 citations	304743 22 h-index	361022 35 g-index
101 all docs	101 docs citations	101 times ranked	1041 citing authors

#	Article	IF	Citations
1	Aluminum(III) di- and monochlorides incorporating an N,N'-chelating iminophosphonamide ligand: synthesis and structures. Mendeleev Communications, 2022, 32, 71-73.	1.6	3
2	Novel [FeFe]-Hydrogenase Mimics: Unexpected Course of the Reaction of Ferrocenyl Î±-Thienyl Thioketone with Fe3(CO)12. Materials, 2022, 15, 2867.	2.9	7
3	Halogen-Exchange Reactions of Iminophosphonamido-Chlorosilylenes with Alkali Halides: Convenient Synthesis of Heavier Halosilylenes. Inorganic Chemistry, 2022, 61, 7266-7273.	4.0	7
4	Effective incorporation of divinylbenzene in the isospecific styrene polymerization catalyzed by an aryl-substituted [OSSO]-type zirconium(IV) complex. Polymer Journal, 2022, 54, 1133-1137.	2.7	1
5	An Iminophosphonamidoâ€Chlorosilylene as a Strong Ïƒâ€Donating NHSi Ligand: Synthesis and Coordination Chemistry. Angewandte Chemie, 2021, 133, 4101-4105.	2.0	7
6	An Iminophosphonamidoâ€Chlorosilylene as a Strong Ïƒâ€Donating NHSi Ligand: Synthesis and Coordination Chemistry. Angewandte Chemie - International Edition, 2021, 60, 4055-4059.	13.8	18
7	Synthesis and Properties of 1â€(Dialkylstannyl)â€1,4â€diphenylâ€1,3â€butadiene Fused with a Dibenzobarrelene and the Corresponding Pentaorganostannate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1883.	1.2	2
8	Formation of silaimines from a sterically demanding iminophosphonamido chlorosilyleneviaintramolecular Nâ€“P bond cleavage. Chemical Communications, 2021, 57, 6728-6731.	4.1	10
9	Interconversion between a silaimine and an aminosilylene supported by an iminophosphonamide ligand. Chemical Communications, 2021, 57, 3203-3206.	4.1	19
10	Hydroboration of carbonyls and imines by an iminophosphonamido tin(<scp>ii</scp>) precatalyst. Dalton Transactions, 2021, 50, 14810-14819.	3.3	16
11	1-Phosphino-1,3-butadiene Derivatives Incorporated with Dibenzobarrelene Skeleton: Synthesis and Photophysical Properties. Bulletin of the Chemical Society of Japan, 2020, 93, 1430-1442.	3.2	5
12	Synthesis, Structure, and Dynamic Behavior of Hydrido(dihydrosilyl) Platinum(II) Complex Having Me₃P Ligands. Chemistry Letters, 2020, 49, 1043-1046.	1.3	1
13	Synthesis and photophysical properties of conjugated thioketone, thioketone S-oxide (Sulfine), and related compounds incorporated in a dibenzobarrelene skeleton. Journal of Sulfur Chemistry, 2020, 41, 238-257.	2.0	4
14	Helicenes Fused with Hexafluorocyclopentene (HFCP): Synthesis, Structure, and Properties. European Journal of Organic Chemistry, 2020, 2020, 1871-1880.	2.4	8
15	Carbazolyl-Substituted [OSSO]-Type Zirconium(IV) Complex as a Precatalyst for the Oligomerization and Polymerization of Î±-Olefins. Catalysts, 2019, 9, 528.	3.5	5
16	Dicationic ditelluride salts stabilized by N-heterocyclic carbene. New Journal of Chemistry, 2019, 43, 10894-10898.	2.8	8
17	A reversible and turn-on type fluorescence behaviour of hydrogen sulfide via a redox cycle between selenoxide and selenide. New Journal of Chemistry, 2019, 43, 11643-11652.	2.8	13
18	Synthesis and Photophysical Properties of Dibenzobarreleneâ€Incorporated 1,4â€Diphenylâ€1,3â€pentadienes and a 5â€Sila Derivative Having High Fluorescence Efficiency. European Journal of Organic Chemistry, 2018, 2018, 1011-1018.	2.4	8

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19	Chlorogermylenes and -stannylenes stabilized by diimidosulfinate ligands: synthesis, structures, and reactivity. Dalton Transactions, 2018, 47, 481-490.	3.3	12
20	Highly Efficient and 1,2-Regioselective Method for the Oligomerization of 1-Hexene Promoted by Zirconium Precatalysts with [OSSO]-Type Bis(phenolate) Ligands. Organometallics, 2018, 37, 2640-2644.	2.3	11
21	Synthesis and Photophysical Property of 1-Chalcogeno-1,3-butadiene Derivatives and the Related Compounds Incorporated in a Dibenzobarrelene Skeleton. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2018, 76, 1042-1054.	0.1	6
22	Zirconium and Hafnium Complexes with Cycloheptane- or Cyclononane-Fused [OSSO]-Type Bis(phenolato) Ligands: Synthesis, Structure, and Highly Active 1-Hexene Polymerization and Ring-Size Effects of Fused Cycloalkanes on the Activity. Organometallics, 2017, 36, 3954-3966.	2.3	14
23	Highly Active and Isospecific Styrene Polymerization Catalyzed by Zirconium Complexes Bearing Aryl-substituted [OSSO]-Type Bis(phenolate) Ligands. Polymers, 2016, 8, 31.	4.5	20
24	Macromol. Rapid Commun. 12/2016. Macromolecular Rapid Communications, 2016, 37, 1008-1008.	3.9	0
25	1,4-Diaryl-1-oxy-1,3-butadiene Conjugated System Incorporated in a Dibenzobarrelene Skeleton: Synthesis, Photophysical Properties, and Comparison with the Heavier Group 16 Congeners. Bulletin of the Chemical Society of Japan, 2016, 89, 1470-1479.	3.2	9
26	Enantioâ€•and Stereoselective Cyclopolymerization of Hexaâ€1,5â€diene Catalyzed by Zirconium Complexes Possessing Optically Active Bis(phenolato) Ligands. Macromolecular Rapid Communications, 2016, 37, 1820-1824.	3.9	9
27	Copolymerization of Ethylene with iPr3Si-Protected 5-Hexen-1-ol with an [OSSO]-Type Bis(phenolato) Dichloro Zirconium(IV) Complex. Bulletin of the Chemical Society of Japan, 2016, 89, 666-670.	3.2	6
28	Highly Isospecific Polymerization of Silylâ€Protected Ï‰â€Alkenols Using an [OSSO]â€Type Bis(phenolato) Dichloro Zirconium(IV) Precatalyst. Macromolecular Rapid Communications, 2016, 37, 969-974.	3.9	16
29	Synthesis and Photophysical Properties of Extended Ï€-Conjugative and Pushâ€“Pull-Type 1,4-Diaryl-1-thio-1,3-butadienes Incorporated in a Dibenzobarrelene Skeleton. Bulletin of the Chemical Society of Japan, 2015, 88, 554-561.	3.2	8
30	Precise Polymerization of α-Olefins Using a Mixed Donor-Type Ligand Containing Oxygen and Sulfur Atoms. Kobunshi Ronbunshu, 2015, 72, 285-294.	0.2	9
31	Red and Near-Infrared Photoluminescence of D-Ï€-A-Type Compounds Based on a 1,4-Diaryl-1-thio-1,3-butadiene Conjugated System in a Dibenzobarrelene Skeleton. Journal of Organic Chemistry, 2015, 80, 11598-11604.	3.2	10
32	Synthesis, Structures, and Temperature-Dependent Photoluminescence of 1,4-Diphenyl-1-telluro-1,3-butadiene Incorporated in a Dibenzobarrelene Skeleton and Derivatives. Organometallics, 2015, 34, 1272-1278.	2.3	21
33	Extremely active Î±-olefin polymerization and copolymerization with ethylene catalyzed by a dMAO-activated zirconium(<scp>iv</scp>) dichloro complex having an [OSSO]-type ligand. RSC Advances, 2015, 5, 88826-88831.	3.6	11
34	Neutral Methyl and Cationic Aluminum Complexes Supported by a trans-1,2-Cyclooctanediyl-Bridged [OSSO]-Type Bis(phenolato) Ligand: Synthesis, Structures, and Use in Catalysis for Propylene Oxide Polymerization. Organometallics, 2014, 33, 1840-1844.	2.3	21
35	Reactions of Bis(dibenzobarrelenyl) Dichalcogenides with a Palladium(0) Complex: Unexpected Formations of Mononuclear Chalcogenide(dichalcogenolato)palladium(II) Complexes and DichalcoÂgenahexacyclo Compounds. European Journal of Inorganic Chemistry, 2014, 2014, 5177-5184.	2.0	4
36	Synthesis of 4-Chalcogeno-1-aza-1,3-butadiene Derivatives by Intramolecular Cyano-Dielsâ€“Alder Reaction and Borane-Coordination-Induced Fluorescence Enhancement. Journal of Organic Chemistry, 2014, 79, 7951-7960.	3.2	13

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37	Completely Isospecific Polymerization of 1-Hexene Catalyzed by Hafnium(IV) Dichloro Complex Incorporating with an [OSSO]-type Bis(phenolate) Ligand. Topics in Catalysis, 2014, 57, 918-922.	2.8	14
38	Characterization and Phenylacetylene-Assisted Cyclometalation of an Isolable Hydridoâ€“Selenolato PtII Complex Having Phosphite Ligands, cis-[PtH(SeTrip){P(OPh)3}2]. Bulletin of the Chemical Society of Japan, 2014, 87, 274-282.	3.2	3
39	Thiopheneâ€Fused 3â€Methyleneâ€2,3â€dihydrochalcogenophenes: Fluorescent Dyes Incorporated in a Rigid Dibenzobarrelene Skeleton. Heteroatom Chemistry, 2014, 25, 658-673.	0.7	7
40	Synthesis, Structure, and 1-Hexene Polymerization Catalytic Ability of Group 5 Metal Complexes Incorporating an [OSSO]-Type Ligand. ACS Catalysis, 2013, 3, 1764-1767.	11.2	28
41	Controlled Isospecific Polymerization of Î±-Olefins by Hafnium Complex Incorporating with a trans-Cyclooctanediyl-Bridged [OSSO]-Type Bis(phenolate) Ligand. Macromolecules, 2013, 46, 6758-6764.	4.8	36
42	Strong Solid-State Phosphorescence of 1,2-Telluraplatinacycles Incorporated into Rigid Dibenzobarrelene and Triptycene Skeletons. European Journal of Inorganic Chemistry, 2013, 2013, 5233-5239.	2.0	10
43	Synthesis of [SSSS]-type bis(thiophenol) ligand based on a trans-cyclooctane-1,2-diyl(thio) platform and an unexpected reaction with platinum complexes to produce sulfide-bis(thiolato) Pt^{II} complex. Journal of Sulfur Chemistry, 2013, 34, 661-670.	2.0	1
44	Titanium Complexes Supported by an [OSSO]-Type Bis(phenolato) Ligand Based on a trans-Cyclooctanediyl Platform: Synthesis, Structures, and 1-Hexene Polymerization. Inorganic Chemistry, 2012, 51, 274-281.	4.0	30
45	Convenient Syntheses and Photophysical Properties of 1â€Thioâ€and 1â€Selenoâ€1,3â€Butadiene Fluorophores in Rigid Dibenzobarrelene and Benzobarrelene Skeletons. Chemistry - A European Journal, 2012, 18, 6428-6432.	3.3	19
46	Fluorescent 3-Methylene-2,3-Dihydrochalcogenophenes Incorporated in a Rigid Dibenzobarrelene Skeleton. Organic Letters, 2011, 13, 3702-3705.	4.6	15
47	Palladium(II) Hydrido Complexes Having a Primary Silyl or Germyl Ligand: Synthesis, Crystal Structures, and Dynamic Behavior. Organometallics, 2011, 30, 4490-4493.	2.3	33
48	Synthesis of Titanium(IV) and Zirconium(IV) Complexes with an [OSSO]-Type Bis(phenolate) Ligand Bearing atrans-Cyclohexane-1,2-diyl Ring and 1-Hexene Polymerization. Organometallics, 2011, 30, 2947-2956.	2.3	22
49	Recent advances in the chemistry of Group 4 metal complexes incorporating [OSSO]-type bis(phenolato) ligands as post-metallocene catalysts. Polymer Chemistry, 2011, 2, 1597.	3.9	75
50	Synthesis and structures of dialkyl zirconium complexes with an [OSSO]-type bis(phenolate) ligand bearing a trans-1,2-cyclooctanediylbis(thio) unit. Journal of Organometallic Chemistry, 2011, 696, 1258-1261.	1.8	17
51	Coordination Chemistry and Organic Synthesis Utilizing Cycloalkane-1,2-dithiol. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1169-1174.	1.6	7
52	Synthesis, Structure, and Catalytic Activity of Bimetallic Pt^{II}â€“Ir^{III} Complexes Bridged by Cyclooctaneâ€1,2â€dithiolato Ligands. European Journal of Inorganic Chemistry, 2010, 2010, 447-453.	2.0	15
53	Hydroselenation and Carboselenation of Electronâ€Deficient Alkynes with Isolable (Hydrido)(selenolato)platinum(II) Complexes and a Selenaplatinacycle Bearing a Triptycene Skeleton. European Journal of Organic Chemistry, 2010, 2010, 1653-1659.	2.4	36
54	Thermal reaction of a (hydrido)(selenolato)platinum(ii) complex having a dibenzobarrelenyl group leading to three cyclometalations. Dalton Transactions, 2010, 39, 6181.	3.3	13

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55	Synthesis and Properties of Hydrido(selenolato)platinum(II) Complexes Bearing Chelating Phosphine Ligands. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 992-999.	1.6	9
56	Biography: Professor Juzo Nakayama. Journal of Sulfur Chemistry, 2009, 30, 210-211.	2.0	0
57	Zirconium Complex of an [OSSO]-Type Diphenolate Ligand Bearing trans-1,2-Cyclooctanediylbis(thio) Core: Synthesis, Structure, and Isospecific 1-Hexene Polymerization. Journal of the American Chemical Society, 2009, 131, 13566-13567.	13.7	66
58	Synthesis and Crystal Structures of the First Stable Mononuclear Dihydrogermyl(hydrido) Platinum(II) Complexes. Organometallics, 2009, 28, 534-538.	2.3	35
59	Reactions of 9-Triptyceneselenol with Palladium(0) Complexes: Unexpected Formations of the Dinuclear Palladium(I) Complex [{Pd(PPh₃)}₂(Î¼-SeTrip)₂] and Five-Membered Selenapalladacycle [Pd(Î·²(C,Se)-Trip)(dppe)]. Organometallics, 2009, 28, 1981-1984.	2.3	32
60	Oxidation and Reduction Reactions of cis-9,10,11-Trithiabicyclo[6.3.0]undecane Synthesized by Reaction of cis-Cyclooctene with S8O. Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 1184-1205.	1.6	9
61	Three syntheses of trans-cyclooctane-1,2-dithiol by ring opening of cis-cyclooctene episulfoxide with ammonium thiocyanate followed by reduction and reductions of trans-1,2-di(thiocyanato)cyclooctane and trans-1,2-cyclooctyl trithiocarbonate. Journal of Sulfur Chemistry, 2009, 30, 236-244.	2.0	11
62	Reactions of a Ditriptycylâ€Substituted Selenoseleninate and Related Compounds with a Platinum(0) Complex: Formation of Selenaplatinacycle and Hydrido Selenolato Platinum(II) Complexes. Angewandte Chemie - International Edition, 2008, 47, 2661-2664.	13.8	38
63	Cyclohexasulfur monoxide (S6O) and cyclohexasulfur (S6) as sulfur-transfer agents. Journal of Sulfur Chemistry, 2008, 29, 303-308.	2.0	4
64	Rearrangement of a (Dithiolato)platinum(II) Complex Formed by Reaction of Cyclic Disulfide 7,8-Dithiabicyclo[4.2.1]nona-2,4-diene with a Platinum(0) Complex: Oxidation of the Rearranged (Dithiolato)platinum(II) Complex. Chemistry - A European Journal, 2007, 13, 4326-4333.	3.3	20
65	Preparation of 3,3â€Diâ€tertâ€butylthiirane transâ€1,2â€Dioxide and Its Reaction with a Platinum(0) Complex To Give a (Disulfenato)platinum(II) Complex: Regioselectivity of the Oxidation of a Related (Sulfenatoâ€“thiolato)platinum(II) Complex. European Journal of Inorganic Chemistry, 2007, 2007, 5199-5206.	2.0	16
66	Synthesis and Properties of a Dithiiranetrans-1,2-Dioxide, a Three-Memberedvic-Disulfoxide. Organic Letters, 2006, 8, 91-94.	4.6	23
67	A report on the 31st Symposium on Heteroatom Chemistry of the Chemical Society of Japan. Heteroatom Chemistry, 2005, 16, 535-547.	0.7	0
68	Synthesis and hydrolysis ofp-toluoyl and acetyl 9-triptycyl diselenides: A study on generation of triptycene-9-selenenoselenoic acid. Heteroatom Chemistry, 2005, 16, 525-528.	0.7	8
69	A Report on the 30th Symposium on Heteroatom Chemistry of the Chemical Society of Japan. Heteroatom Chemistry, 2004, 15, 347-361.	0.7	1
70	First Isolation of Eclipsedvic-Disulfoxide:â€‰ 7,8-Dithiabicyclo[4.2.1]nona-2,4-diene 7-exo,8-exo-Dioxide. Organic Letters, 2004, 6, 2623-2626.	4.6	23
71	Report on the 28th symposium on heteroatom chemistry of the chemical society of Japan. Heteroatom Chemistry, 2003, 14, 1-12.	0.7	0
72	A report on the 29th symposium on heteroatom chemistry of the chemical society of Japan. Heteroatom Chemistry, 2003, 14, 387-398.	0.7	0

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73	Structures and properties of two diastereomeric cyclic sulfites derived fromcis-3,4-di-tert-butylthiolane-3,4-diol and thionyl chloride. Heteroatom Chemistry, 2003, 14, 587-595.	0.7	6
74	Oxosulfido Complexes of Platinumâ€" (Ph3P)2Pt(S2O) and (Ph3P)4Pt2(Î¼-S)(Î¼-SO)â€" Their Formation and Properties. European Journal of Inorganic Chemistry, 2003, 2003, 3716-3721.	2.0	30
75	Deoxygenation of Dithiirane 1-Oxides with Lawesson's Reagent Leading to the Corresponding Dithiiranes. Journal of Organic Chemistry, 2003, 68, 1555-1558.	3.2	35
76	First synthesis and characterization of isolable thioselenenic acid, triptycene-9-thioselenenic acidElectronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b2/b207810d/. Chemical Communications, 2002, , 2810-2811.	4.1	15
77	Reaction between Dithiirane 1-Oxides and a Platinum(0) Complex. European Journal of Organic Chemistry, 2002, 2002, 979-982.	2.4	35
78	Reactions of sterically congested 1,6- and 1,7-bis(diazo)alkanes with elemental sulfur and selenium: Formation of cyclohexene, 1,2-dithiocane, 1,2-diselenocane, and 1,2,3-triselenecane derivatives. Heteroatom Chemistry, 2002, 13, 351-356.	0.7	22
79	Practical synthesis of thiirene 1-oxides that possess two bulky alkyl substituents. Heteroatom Chemistry, 2002, 13, 424-430.	0.7	14
80	Hydrolysis of an isolable selenoseleninate under acidic and alkaline conditions. Heteroatom Chemistry, 2001, 12, 198-203.	0.7	13
81	Syntheses and structures of sulfilimine, sulfone diimine, and sulfoximine derivatives of a monocyclic thiophene, 3,4-di-tert-butylthiophene. Heteroatom Chemistry, 2001, 12, 333-348.	0.7	26
82	A Convenient Method for the Generation of a Disulfur Monoxide Equivalent and Its Reaction with Diazoalkanes to Yield Dithiirane 1-Oxides This work was supported by a Grant-in-Aid for Scientific Research (No. 90193242) from the Ministry of Education, Science, Sports, and Culture, Japan.. Angewandte Chemie - International Edition, 2001, 40, 1924-1926.	13.8	1
83	Reversible 1,3-dipolar cycloaddition of dimethyl 2-thiono-1,3-dithiole-4,5-dicarboxylate with dimethyl acetylenedicarboxylate. Heteroatom Chemistry, 2000, 11, 434-440.	0.7	10
84	Isolable, Stable Diselenocarboxylate and Selenothiocarboxylate Salts:Â Syntheses, Structures, and Reactivities of 2-(1,3-Dimethylimidazolidinio)diselenocarboxylate and 2-(1,3-Dimethylimidazolidinio)selenothiocarboxylate. Journal of the American Chemical Society, 2000, 122, 9120-9126.	13.7	50
85	Synthesis and Physical Properties of Sterically Congested Cycloalkenes, 1,2-Di-tert-butyl-3,3,5,5-tetramethylcyclopentene and 1,2-Di-tert-butyl-3,3,6,6-tetramethylcyclohexene. Journal of Organic Chemistry, 2000, 65, 1799-1806.	3.2	37
86	1-Adamantyl-tert-butyltetrathiolane 2,3-Dioxide:Â First Isolablevic-Disulfoxide and Efficient Precursor of S2O. Journal of the American Chemical Society, 1999, 121, 7959-7960.	13.7	48
87	Preparation of a Selenenic Acid and Isolation of Selenoseleninates. Journal of Organic Chemistry, 1999, 64, 1084-1085.	3.2	71
88	Oxidation and reduction of 2,2-bis(diethylamino)-2-ethylium-1-dithioate. Heteroatom Chemistry, 1998, 9, 703-707.	0.7	10
89	Synthesis and Properties of Monocyclic Selenophene 1-Oxides. Journal of the American Chemical Society, 1998, 120, 12351-12352.	13.7	25
90	Synthesis, Isolation, and Full Characterization of the Parent Thiophene 1,1-Dioxide. Journal of the American Chemical Society, 1997, 119, 9077-9078.	13.7	59

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91	Synthesis and Properties of Three-membered Cyclic Disulfides, Dithiiranes.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1997, 55, 897-906.	0.1	12
92	OXIDATION OF SELENOPHENES. Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 118, 227-246.	1.6	14
93	Synthesis of a Stable Sulfenic Acid by Oxidation of a Sterically Hindered Thiol (Thiophenetriptycene-8-thiol)1and Its Characterization. Journal of the American Chemical Society, 1996, 118, 12836-12837.	13.7	62
94	Rearrangement of 6,7-dithiabicyclo[3.1.1]heptane 6-oxides to a 7,8-dithia-6-oxabicyclo[3.2.1]octane catalyzed by montmorillonite K 10. Heteroatom Chemistry, 1995, 6, 161-165.	0.7	6
95	Preparation and Reactivities of the First Isolable Dithiirane, 3-(1,1,3,3-Tetramethyl-4-oxo-4-Phenylbutyl)-3-Phenyldithiirane. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 95, 445-446.	1.6	0
96	The First Isolable Dithiirane by Oxidation of a Dithietane. Angewandte Chemie International Edition in English, 1994, 33, 777-779.	4.4	59
97	Mono- and Multilayers of Novel Molecular Complex of Thiophene Derivative with Long-Chain TCNQ. Molecular Crystals and Liquid Crystals, 1993, 227, 13-20.	0.3	2
98	REACTION OF BENZYNE WITH THIOPHOSGENE. Phosphorous and Sulfur and the Related Elements, 1983, 16, 195-199.	0.2	9
99	Formation and Chemical and Optical Properties of 1,2,5â€Triphenylpentadienyl Cation Fixed in a Rigid Dibenzobarrelene Skeleton. European Journal of Organic Chemistry, 0, , .	2.4	1