

# George A Olah

## List of Publications by Year in descending order

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1,027  
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46,185  
citations

3515

90  
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5965

160  
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1047  
all docs

1047  
docs citations

1047  
times ranked

23026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond Oil and Gas: The Methanol Economy. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2636-2639.	7.2	1,802
2	Chemical Recycling of Carbon Dioxide to Methanol and Dimethyl Ether: From Greenhouse Gas to Renewable, Environmentally Carbon Neutral Fuels and Synthetic Hydrocarbons. <i>Journal of Organic Chemistry</i> , 2009, 74, 487-498.	1.7	1,320
3	Anthropogenic Chemical Carbon Cycle for a Sustainable Future. <i>Journal of the American Chemical Society</i> , 2011, 133, 12881-12898.	6.6	1,159
4	Recycling of carbon dioxide to methanol and derived products – closing the loop. <i>Chemical Society Reviews</i> , 2014, 43, 7995-8048.	18.7	1,125
5	Synthetic methods and reactions. 63. Pyridinium poly(hydrogen fluoride) (30% pyridine-70% hydrogen) Tj ETQq1 1 0.784314 rgBT /Ole 1979, 44, 3872-3881.	1.7	549
6	Air as the renewable carbon source of the future: an overview of CO <sub>2</sub> capture from the atmosphere. <i>Energy and Environmental Science</i> , 2012, 5, 7833.	15.6	549
7	Towards Oil Independence Through Renewable Methanol Chemistry. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 104-107.	7.2	535
8	Synthetic methods and reactions. 141. Fluoride-induced trifluoromethylation of carbonyl compounds with trifluoromethyltrimethylsilane (TMS-CF <sub>3</sub> ). A trifluoromethide equivalent. <i>Journal of the American Chemical Society</i> , 1989, 111, 393-395.	6.6	500
9	Conversion of CO <sub>2</sub> from Air into Methanol Using a Polyamine and a Homogeneous Ruthenium Catalyst. <i>Journal of the American Chemical Society</i> , 2016, 138, 778-781.	6.6	458
10	Carbon Dioxide Capture from the Air Using a Polyamine Based Regenerable Solid Adsorbent. <i>Journal of the American Chemical Society</i> , 2011, 133, 20164-20167.	6.6	428
11	Aromatic substitution. XXVIII. Mechanism of electrophilic aromatic substitutions. <i>Accounts of Chemical Research</i> , 1971, 4, 240-248.	7.6	392
12	Electrochemical CO <sub>2</sub> Reduction: Recent Advances and Current Trends. <i>Israel Journal of Chemistry</i> , 2014, 54, 1451-1466.	1.0	356
13	Perfluorinated Resinsulfonic Acid (Nafion-H <sup>+</sup> ) Catalysis in Synthesis. <i>Synthesis</i> , 1986, 1986, 513-531.	1.2	306
14	N-Halosuccinimide/BF <sub>3</sub> ·H <sub>2</sub> O, Efficient Electrophilic Halogenating Systems for Aromatics. <i>Journal of the American Chemical Society</i> , 2004, 126, 15770-15776.	6.6	303
15	Iodotrimethylsilane – a versatile synthetic reagent. <i>Tetrahedron</i> , 1982, 38, 2225-2277.	1.0	297
16	Taming of Fluoroform: Direct Nucleophilic Trifluoromethylation of Si, B, S, and C Centers. <i>Science</i> , 2012, 338, 1324-1327.	6.0	262
17	Super acids. III. Protonation of alkanes and intermediacy of alkanonium ions, pentacoordinated carbon cations of CH <sub>5</sub> <sup>+</sup> type. Hydrogen exchange, protolytic cleavage, hydrogen abstraction; polycondensation of methane, ethane, 2,2-dimethylpropane and 2,2,3,3-tetramethylbutane in FSO <sub>3</sub> H-SbF <sub>5</sub> . <i>Journal of the American Chemical Society</i> , 1969, 91, 3261-3268.	6.6	257
18	Carbocations and Electrophilic Reactions. <i>Angewandte Chemie International Edition in English</i> , 1973, 12, 173-212.	4.4	256

#	ARTICLE	IF	CITATIONS
19	My Search for Carbocations and Their Role in Chemistry(Nobel Lecture). <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1393-1405.	4.4	248
20	Chemistry in super acids. I. Hydrogen exchange and polycondensation of methane and alkanes in FSO <sub>3</sub> H-SbF <sub>5</sub> ("magic acid") solution. Protonation of alkanes and the intermediacy of CH <sub>5</sub> <sup>+</sup> and related hydrocarbon ions. The high chemical reactivity of "paraffins" in ionic solution reactions. <i>Journal of the American Chemical Society</i> , 1968, 90, 2726-2727.	6.6	243
21	Bi-reforming of Methane from Any Source with Steam and Carbon Dioxide Exclusively to Metgas (CO <sub>2</sub> + 2H <sub>2</sub> ) for Methanol and Hydrocarbon Synthesis. <i>Journal of the American Chemical Society</i> , 2013, 135, 648-650.	6.6	237
22	Nanostructured silica as a support for regenerable high-capacity organoamine-based CO <sub>2</sub> sorbents. <i>Energy and Environmental Science</i> , 2010, 3, 1949.	15.6	217
23	100 Years of Carbocations and Their Significance in Chemistry1. <i>Journal of Organic Chemistry</i> , 2001, 66, 5943-5957.	1.7	208
24	Chlorination and bromination of fullerenes. Nucleophilic methoxylation of polychlorofullerenes and their aluminum trichloride catalyzed Friedel-Crafts reaction with aromatics to polyarylfullerenes. <i>Journal of the American Chemical Society</i> , 1991, 113, 9385-9387.	6.6	207
25	Considered novel aromatic systems. 11. Diamagnetic polyanions of the C <sub>60</sub> and C <sub>70</sub> fullerenes: preparation, <sup>13</sup> C and <sup>7</sup> Li NMR spectroscopic observation, and alkylation with methyl iodide to polymethylated fullerenes. <i>Journal of the American Chemical Society</i> , 1991, 113, 3205-3206.	6.6	199
26	Efficient Chemoselective Carboxylation of Aromatics to Arylcarboxylic Acids with a Superelectrophilically Activated Carbon Dioxide-Al <sub>2</sub> Cl <sub>6</sub> /Al System. <i>Journal of the American Chemical Society</i> , 2002, 124, 11379-11391.	6.6	194
27	Long-lived cyclopropylcarbanyl cations. <i>Chemical Reviews</i> , 1992, 92, 69-95.	23.0	190
28	Stable carbonium ions. XCI. Carbon-13 nuclear magnetic resonance spectroscopic study of carbonium ions. <i>Journal of the American Chemical Society</i> , 1969, 91, 5801-5810.	6.6	189
29	Protonated heteroaliphatic compounds. <i>Chemical Reviews</i> , 1970, 70, 561-591.	23.0	182
30	Synthetic methods and reactions. 181. Iodination of deactivated aromatics with N-iodosuccinimide in trifluoromethanesulfonic acid (NIS-CF <sub>3</sub> SO <sub>3</sub> H) via in situ generated superelectrophilic iodine(I) trifluoromethanesulfonate. <i>Journal of Organic Chemistry</i> , 1993, 58, 3194-3195.	1.7	182
31	Formylating agents. <i>Chemical Reviews</i> , 1987, 87, 671-686.	23.0	179
32	Electrophilic reactions at single bonds. XII. Hydrogen-deuterium exchange, protolysis (deuterolysis), and oligocondensation of alkanes with superacids. <i>Journal of the American Chemical Society</i> , 1973, 95, 4960-4970.	6.6	172
33	Electrophilic reactions at single bonds. 20. Selective monohalogenation of methane over supported acidic or platinum metal catalysts and hydrolysis of methyl halides over .gamma.-alumina-supported metal oxide/hydroxide catalysts. A feasible path for the oxidative conversion of methane into methyl alcohol/dimethyl ether. <i>Journal of the American Chemical Society</i> , 1985, 107, 7097-7105.	6.6	169
34	Aromatic substitution. XXX. Friedel-Crafts benzylation of benzene and toluene with benzyl and substituted benzyl halides. <i>Journal of the American Chemical Society</i> , 1972, 94, 7448-7461.	6.6	168
35	Preparation of Tri- and Difluoromethylsilanes via an Unusual Magnesium Metal-Mediated Reductive Tri- and Difluoromethylation of Chlorosilanes Using Tri- and Difluoromethyl Sulfides, Sulfoxides, and Sulfones. <i>Journal of Organic Chemistry</i> , 2003, 68, 4457-4463.	1.7	168
36	Electrochemical reduction of CO <sub>2</sub> over Sn-Nafion <sup>®</sup> coated electrode for a fuel-cell-like device. <i>Journal of Power Sources</i> , 2013, 223, 68-73.	4.0	168

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37	Stable carbocations. CXXIV. Benzenium ion and monoalkylbenzenium ions. <i>Journal of the American Chemical Society</i> , 1972, 94, 2034-2043.	6.6	163
38	Stable Carbonium Ions. II.1a Oxocarbenium1b (Acylium) Tetrafluoroborates, Hexafluorophosphates, Hexafluoroantimonates and Hexafluoroarsenates. Structure and Chemical Reactivity of Acyl Fluoride: Lewis Acid Fluoride Complexes1c. <i>Journal of the American Chemical Society</i> , 1962, 84, 2733-2740.	6.6	162
39	Preparation of 3,3-Diaryloxindoles by Superacid-Induced Condensations of Isatins and Aromatics with a Combinatorial Approach. <i>Journal of Organic Chemistry</i> , 1998, 63, 4481-4484.	1.7	160
40	Synthesis and Applications of Palladium-Coated Poly(vinylpyridine) Nanospheres. <i>Chemistry of Materials</i> , 2000, 12, 1985-1989.	3.2	156
41	Regioselective Conversion of Arylboronic Acids to Phenols and Subsequent Coupling to Symmetrical Diaryl Ethers. <i>Journal of Organic Chemistry</i> , 2001, 66, 633-634.	1.7	154
42	Conclusion of the classical-nonclassical ion controversy based on the structural study of the 2-norbornyl cation. <i>Accounts of Chemical Research</i> , 1983, 16, 440-448.	7.6	145
43	After Oil and Gas: Methanol Economy. <i>Catalysis Letters</i> , 2004, 93, 1-2.	1.4	145
44	Electrophilic reactions at single bonds. III. H-D exchange and protolysis (deuterolysis) of alkanes with superacids. The mechanism of acid-catalyzed hydrocarbon transformation reactions involving the .sigma. electron pair donor ability of single bonds via three-center bond formation. <i>Journal of the American Chemical Society</i> , 1971, 93, 1251-1256.	6.6	144
45	Unified Mechanistic Concept of Electrophilic Aromatic Nitration: Convergence of Computational Results and Experimental Data. <i>Journal of the American Chemical Society</i> , 2003, 125, 4836-4849.	6.6	142
46	Electrophilic methane conversion. <i>Accounts of Chemical Research</i> , 1987, 20, 422-428.	7.6	140
47	Polyarenefullerenes, C <sub>60</sub> (H-Ar) <sub>n</sub> , obtained by acid-catalyzed fullerenation of aromatics. <i>Journal of the American Chemical Society</i> , 1991, 113, 9387-9388.	6.6	138
48	Stable carbonium ions. LXV. Protonation of hydrogen cyanide and alkyl nitriles in FSO <sub>3</sub> H-SbF <sub>5</sub> -SO <sub>2</sub> solution. Comparative study of Meerwein's N-alkylnitrilium ions. <i>Journal of the American Chemical Society</i> , 1968, 90, 4666-4672.	6.6	137
49	Direct Preparation of Trifluoromethyl Ketones from Carboxylic Esters: Trifluoromethylation with (Trifluoromethyl)trimethylsilane. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 820-821.	7.2	136
50	General ether synthesis under mild acid-free conditions. Trimethylsilyl iodide catalyzed reductive coupling of carbonyl compounds with trialkylsilanes to symmetrical ethers and reductive condensation with alkoxy silanes to unsymmetrical ethers. <i>Journal of Organic Chemistry</i> , 1987, 52, 4314-4319.	1.7	133
51	Easily Regenerable Solid Adsorbents Based on Polyamines for Carbon Dioxide Capture from the Air. <i>ChemSusChem</i> , 2014, 7, 1386-1397.	3.6	133
52	CO <sub>2</sub> capture by amines in aqueous media and its subsequent conversion to formate with reusable ruthenium and iron catalysts. <i>Green Chemistry</i> , 2016, 18, 5831-5838.	4.6	132
53	Stable carbonium ions. CI. Tetraphenylcyclobutadiene dication. <i>Journal of the American Chemical Society</i> , 1970, 92, 1430-1432.	6.6	131
54	ipso-Nitration of Arylboronic Acids with Chlorotrimethylsilane Nitrate Salts. <i>Organic Letters</i> , 2004, 6, 2205-2207.	2.4	130

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55	Stable Carbonium Ions. IV.1a Secondary and Tertiary Alkyl and Aryl Oxocarbenium Hexafluoroantimonates. Formation and Identification of the Trimethylcarbonium Ion by Decarbonylation of the tert-Butyl Oxocarbenium Ion. <i>Journal of the American Chemical Society</i> , 1963, 85, 1328-1334.	6.6	128
56	New Electrophilic Difluoromethylating Reagent. <i>Organic Letters</i> , 2007, 9, 1863-1866.	2.4	128
57	Single Step Bi-reforming and Oxidative Bi-reforming of Methane (Natural Gas) with Steam and Carbon Dioxide to Methanol (CO <sub>2</sub> H <sub>2</sub> ) for Methanol Synthesis: Self-Sufficient Effective and Exclusive Oxygenation of Methane to Methanol with Oxygen. <i>Journal of the American Chemical Society</i> , 2015, 137, 8720-8729.	6.6	128
58	Stable carbocations. 215. Carbon-13 nuclear magnetic resonance spectroscopic study of the benzenium, naphthalenium, and anthracenium ions. <i>Journal of the American Chemical Society</i> , 1978, 100, 6299-6308.	6.6	124
59	Stereoselective Synthesis of anti-1-(Difluoromethyl)-2-amino Alcohols by Boronic Acid Based Three-Component Condensation. Stereoselective Preparation of (2S,3R)-Difluorothreonine. <i>Journal of Organic Chemistry</i> , 2002, 67, 3718-3723.	1.7	124
60	Stable carbocations, 189. The $\sigma$ -bridged 2-norbornyl cation and its significance to chemistry. <i>Accounts of Chemical Research</i> , 1976, 9, 41-52.	7.6	121
61	Onium Ylide chemistry. 1. Bifunctional acid-base-catalyzed conversion of heterosubstituted methanes into ethylene and derived hydrocarbons. The onium ylide mechanism of the C1 to C2 conversion. <i>Journal of the American Chemical Society</i> , 1984, 106, 2143-2149.	6.6	120
62	Asymmetric Synthesis of Trifluoromethylated Allylic Amines Using $\alpha,\beta$ -Unsaturated N-tert-Butanesulfinimines. <i>Organic Letters</i> , 2001, 3, 2847-2850.	2.4	119
63	Stable carbonium ions. C. Structure of the norbornyl cation. <i>Journal of the American Chemical Society</i> , 1970, 92, 4627-4640.	6.6	117
64	Synthesis methods and reactions. 71. Chlorotrimethylsilane and tert-butyl dimethylsilyl chloride/lithium sulfide, mild and efficient silylating reagents. <i>Journal of Organic Chemistry</i> , 1979, 44, 4272-4275.	1.7	117
65	Aromatic Substitution. VIII.1 Mechanism of the Nitronium Tetrafluoroborate Nitration of Alkylbenzenes in Tetramethylene Sulfone Solution. Remarks on Certain Aspects of Electrophilic Aromatic Substitution. <i>Journal of the American Chemical Society</i> , 1961, 83, 4571-4580.	6.6	115
66	Preparation of and Fluoroalkylation with (Chlorodifluoromethyl)trimethylsilane, Difluorobis(trimethylsilyl)methane, and 1,1,2,2-Tetrafluoro-1,2-bis(trimethylsilyl)ethane. <i>Journal of the American Chemical Society</i> , 1997, 119, 1572-1581.	6.6	115
67	Synthetic methods and reactions. I. Selenium tetrafluoride and its pyridine complex. Convenient fluorinating agents for fluorination of ketones, aldehydes, amides, alcohols, carboxylic acids, and anhydrides. <i>Journal of the American Chemical Society</i> , 1974, 96, 925-927.	6.6	114
68	Aromatic Substitution. VII.1 Friedel-Crafts Type Nitration of Aromatics. <i>Journal of the American Chemical Society</i> , 1961, 83, 4564-4571.	6.6	112
69	BF <sub>3</sub> ·OEt <sub>2</sub> Catalyzed Hydroxyalkylation of Aromatics with Aromatic Aldehydes and Dicarboxaldehydes: Efficient Synthesis of Triarylmethanes, Diarylmethylbenzaldehydes, and Anthracene Derivatives. <i>Journal of Organic Chemistry</i> , 2009, 74, 8659-8668.	1.7	112
70	Superelectrophilic Solvation. <i>Accounts of Chemical Research</i> , 2004, 37, 211-220.	7.6	110
71	Direct Electrophilic Monofluoromethylation. <i>Organic Letters</i> , 2008, 10, 557-560.	2.4	109
72	Stable Carbonium Ions. XXXIX.1 Formation of Alkylcarbonium Ions via Hydride Ion Abstraction from Alkanes in Fluorosulfonic Acid-Antimony Pentafluoride Solution. Isolation of Some Crystalline Alkylcarbonium Ion Salts. <i>Journal of the American Chemical Society</i> , 1967, 89, 2227-2228.	6.6	107

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73	Amine-Free Reversible Hydrogen Storage in Formate Salts Catalyzed by Ruthenium Pincer Complex without pH Control or Solvent Change. <i>ChemSusChem</i> , 2015, 8, 1442-1451.	3.6	107
74	Heterogeneous catalysis by solid superacids. 3. Alkylation of benzene and transalkylation of alkylbenzenes over graphite-intercalated Lewis acid halide and perfluorinated resin sulfonic acid (Nafion-H) catalysts. <i>Journal of Organic Chemistry</i> , 1977, 42, 4187-4191.	1.7	106
75	Ionic Liquid and Solid HF Equivalent Amine-Poly(Hydrogen Fluoride) Complexes Effecting Efficient Environmentally Friendly Isobutane-Isobutylene Alkylation. <i>Journal of the American Chemical Society</i> , 2005, 127, 5964-5969.	6.6	106
76	From Kekulé's Tetraivalent Methane to Five-, Six-, and Seven-Coordinate Protonated Methanes. <i>Accounts of Chemical Research</i> , 1997, 30, 245-250.	7.6	105
77	Facile Preparation of Fluorine-containing Alkenes, Amides and Alcohols via the Electrophilic Fluorination of Alkenyl Boronic Acids and Trifluoroborates. <i>Synlett</i> , 1997, 1997, 606-608.	1.0	104
78	Efficient Reversible Hydrogen Carrier System Based on Amine Reforming of Methanol. <i>Journal of the American Chemical Society</i> , 2017, 139, 2549-2552.	6.6	102
79	Stable carbonium ions. XLVIII. Halonium ion formation via neighboring halogen participation. Tetramethylethylene halonium ions. <i>Journal of the American Chemical Society</i> , 1967, 89, 4744-4752.	6.6	101
80	Alkoxide- and Hydroxide-Induced Nucleophilic Trifluoromethylation Using Trifluoromethyl Sulfone or Sulfoxide. <i>Organic Letters</i> , 2003, 5, 3253-3256.	2.4	101
81	The Electronic Spectra of Carbonium Ions in Strongly Acidic Solutions <sup>1</sup> . <i>Journal of the American Chemical Society</i> , 1966, 88, 1488-1495.	6.6	99
82	Stable carbonium ions. XLVII. Alkylcarbonium ion formation from alkanes via hydride (alkide) ion abstraction in fluorosulfonic acid-antimony pentafluoride-sulfuryl chlorofluoride solution. <i>Journal of the American Chemical Society</i> , 1967, 89, 4739-4744.	6.6	98
83	Electrophilic reactions at single bonds. XVIII. Indication of protosolvated de facto substituting agents in the reactions of alkanes with acetylium and nitronium ions in superacidic media. <i>Journal of the American Chemical Society</i> , 1975, 97, 2928-2929.	6.6	97
84	Synthetic methods and reactions. 112. Synthetic transformations with trichloromethylsilane/sodium iodide reagent. <i>Journal of Organic Chemistry</i> , 1983, 48, 3667-3672.	1.7	97
85	Stable Carbonium Ions. LIV. Protonation of and Hydride Ion Abstraction from Cycloalkanes and Polycycloalkanes in Fluorosulfonic Acid-Antimony Pentafluoride. <i>Journal of the American Chemical Society</i> , 1968, 90, 933-938.	6.6	96
86	Stable carbocations. CLXIV. Relative ability of charge delocalization by phenyl, cyclopropyl, and methyl groups in carbenium ions. <i>Journal of the American Chemical Society</i> , 1974, 96, 3548-3559.	6.6	96
87	A Facile Stereocontrolled Synthesis of anti-1-(Trifluoromethyl)-2-amino Alcohols. <i>Organic Letters</i> , 2000, 2, 3173-3176.	2.4	96
88	Stable carbocations. CXIV. Structure of cyclopropylcarbinyl and cyclobutyl cations. <i>Journal of the American Chemical Society</i> , 1972, 94, 146-156.	6.6	95
89	Novel aromatic systems. II. Cyclobutenyl cations and the question of their homoaromaticity. Preparation and study of the homocyclopropenium ion, the simplest homoaromatic system. <i>Journal of the American Chemical Society</i> , 1975, 97, 5489-5497.	6.6	93
90	Gallium (III) triflate catalyzed efficient Strecker reaction of ketones and their fluorinated analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3703-3706.	3.3	93

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91	Aromatic substitution. 43. Perfluorinated resinsulfonic acid catalyzed nitration of aromatics. Journal of Organic Chemistry, 1978, 43, 4628-4630.	1.7	92
92	Stable carbocations. CLXXX. Carbon-13 and proton nuclear magnetic resonance spectroscopic study of phenyl-, methyl-, and cyclopropyl-substituted alkenyl (allyl) cations. Further studies of the trend of charge distribution and the relative delocalization afforded by phenyl, methyl, and cyclopropyl. Journal of the American Chemical Society, 1975, 97, 1539-1546.	6.6	91
93	High efficiency direct methanol fuel cell based on poly(styrenesulfonic) acid (PSSA)â€“poly(vinylidene) Tj ETQq1 1 0.784314 ggBT /Over	0.9	91
94	Â-Fluoro-Â-nitro(phenylsulfonyl)methane as a fluoromethyl pronucleophile: Efficient stereoselective Michael addition to chalcones. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4090-4094.	3.3	91
95	N,N-Dimethyl-S-difluoromethyl-S-phenylsulfoximinium tetrafluoroborate: A versatile electrophilic difluoromethylating reagent. Journal of Fluorine Chemistry, 2011, 132, 792-798.	0.9	91
96	Stable carbocations. Part 276. Trihalomethyl cations. Journal of the American Chemical Society, 1989, 111, 8020-8021.	6.6	90
97	Synthetic methods and reactions 104. Silylations with in situ generated trimethylsilyl triflate reagent systems. Journal of Organic Chemistry, 1981, 46, 5212-5214.	1.7	89
98	Chiral Î±-Branched Benzylic Carbocations:Â Diastereoselective Intermolecular Reactions with Arene Nucleophiles and NMR Spectroscopic Studies. Journal of the American Chemical Society, 2006, 128, 9668-9675.	6.6	89
99	Stable Carbonium Ions. XI.1 The Rate of Hydride Shifts in the 2-Norbornyl Cation. Journal of the American Chemical Society, 1964, 86, 5680-5681.	6.6	86
100	Stable Carbonium Ions. VIII. The 1-Adamantyl Cation. Journal of the American Chemical Society, 1964, 86, 4195-4197.	6.6	86
101	Stable carbonium ions. LXIV. Protonated carbonic acid (trihydroxycarbonium ion) and protonated alkyl (aryl) carbonates and hydrogen carbonates, and their cleavage to protonated carbonic acid and carbonium ions. The possible role of protonated carbonic acid in biological carboxylation processes. Journal of the American Chemical Society, 1968, 90, 1884-1889.	6.6	86
102	Bridgehead adamantyl, diamantyl, and related cations and dications. Journal of the American Chemical Society, 1985, 107, 2764-2772.	6.6	86
103	Aromatic Substitution. X.1 The AlCl3Â-CH3NO2-Catalyzed Benzoylation of Benzene and n-Alkylbenzenes with Benzyl Chloride in Nitromethane Solution. Journal of the American Chemical Society, 1962, 84, 1688-1695.	6.6	85
104	Novel High-Energy Density Materials. Synthesis and Characterization of Triazidocarbenium Dinitramide, -Perchlorate, and -Tetrafluoroborate. Journal of the American Chemical Society, 1997, 119, 8802-8808.	6.6	85
105	Gallium(III) Triflate: An Efficient and a Sustainable Lewis Acid Catalyst for Organic Synthetic Transformations. Accounts of Chemical Research, 2012, 45, 565-577.	7.6	85
106	Chemical reactivity and functionalization of C60 and C70 fullerenes. Carbon, 1992, 30, 1203-1211.	5.4	84
107	Stable carbocations. CXXIX. Mechanism of the benzidine and Wallach rearrangements based on direct observation of dicationic reaction intermediates and related model compounds. Journal of the American Chemical Society, 1972, 94, 7438-7447.	6.6	83
108	Relative Abilities of Fluorine and Chlorine to Stabilize Carbenium Ions:â€“ Crystal Structures of Two Fluoro-Substituted Carbocations and of As2F11-. Journal of the American Chemical Society, 2000, 122, 481-487.	6.6	83

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109	Hydrogen Generation from Formic Acid Decomposition by Ruthenium Carbonyl Complexes. Tetraruthenium Dodecacarbonyl Tetrahydride as an Active Intermediate. <i>ChemSusChem</i> , 2011, 4, 1241-1248.	3.6	83
110	Stable carbocations. 208. Carbon-13 nuclear magnetic resonance spectroscopic study of alkyl cations. The constancy of carbon-13 nuclear magnetic resonance methyl substituent effects and their application in the study of equilibrating carbocations and the mechanism of some rearrangements. <i>Journal of the American Chemical Society</i> , 1977, 99, 5026-5039.	6.6	82
111	Desulfurative fluorination using nitrosonium tetrafluoroborate and pyridinium poly(hydrogen) Tj ETQq1 1 0.784314 rrgBT /Overlock 10	1.0	82
112	Silica Nanoparticles as Supports for Regenerable CO <sub>2</sub> Sorbents. <i>Energy &amp; Fuels</i> , 2012, 26, 3082-3090.	2.5	82
113	Stable carbonium ions. LXII. Halonium ion formation via neighboring halogen participation: ethylenehalonium, propylenehalonium, and 1,2-dimethylethylenehalonium ions. <i>Journal of the American Chemical Society</i> , 1968, 90, 2587-2594.	6.6	80
114	Organometallic chemistry. 22. Triphenylsilyl perchlorate revisited: silicon-29 and chlorine-35 NMR spectroscopy and x-ray crystallography showing covalent nature in both solution and the solid state. Difficulties in observing long-lived silyl cations in the condensed state. <i>Journal of the American Chemical Society</i> , 1987, 109, 5123-5126.	6.6	80
115	Nafion-H Catalysed Intramolecular Friedel-Crafts Acylation: Formation of Cyclic Ketones and Related Heterocycles. <i>Synlett</i> , 1999, 1999, 1067-1068.	1.0	80
116	Trifluoromethanesulfonic Acid Catalyzed Novel Friedel-Crafts Acylation of Aromatics with Methyl Benzoate. <i>Tetrahedron</i> , 2000, 56, 7199-7203.	1.0	80
117	Difluoromethyl Phenyl Sulfone, a Difluoromethylidene Equivalent: Use in the Synthesis of 1,1-Difluoro-1-alkenes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5203-5206.	7.2	80
118	Chlorotrimethylsilane Nitrate Salts as Oxidants: Direct Oxidative Conversion of Thiols and Disulfides to Sulfonyl Chlorides. <i>Journal of Organic Chemistry</i> , 2007, 72, 5847-5850.	1.7	80
119	Efficient Nucleophilic Fluoromethylation and Subsequent Transformation of Alkyl and Benzyl Halides Using Fluorobis(phenylsulfonyl)methane. <i>Organic Letters</i> , 2009, 11, 1127-1130.	2.4	80
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