George A Olah

List of Publications by Citations

1,018 papers	37,788 citations	84 h-index	147 g-index
1,047 ext. papers	41,368 ext. citations	9.8 avg, IF	7.39 L-index

#	Paper	IF	Citations
1018	Beyond oil and gas: the methanol economy. *Angewandte Chemie - International Edition*, **2005**, 44, 2636-2639	16.4	1416
1017	Chemical recycling of carbon dioxide to methanol and dimethyl ether: from greenhouse gas to renewable, environmentally carbon neutral fuels and synthetic hydrocarbons. *Journal of Organic Chemistry*, **2009**, 74, 487-98	4.2	1110
1016	Anthropogenic chemical carbon cycle for a sustainable future. *Journal of the American Chemical Society*, **2011**, 133, 12881-98	16.4	925
1015	Recycling of carbon dioxide to methanol and derived products - closing the loop. *Chemical Society Reviews*, **2014**, 43, 7995-8048	58.5	868
1014	Synthetic methods and reactions. 63. Pyridinium poly(hydrogen fluoride) (30% pyridine-70% hydrogen fluoride): a convenient reagent for organic fluorination reactions. *Journal of Organic Chemistry*, **1979**, 44, 3872-3881	4.2	463
1013	Air as the renewable carbon source of the future: an overview of CO2 capture from the atmosphere. *Energy and Environmental Science*, **2012**, 5, 7833	35.4	437
1012	Synthetic methods and reactions. 141. Fluoride-induced trifluoromethylation of carbonyl compounds with trifluoromethyltrimethylsilane (TMS-CF3). A trifluoromethide equivalent. *Journal of the American Chemical Society*, **1989**, 111, 393-395	16.4	436
1011	Towards oil independence through renewable methanol chemistry. *Angewandte Chemie - International Edition*, **2013**, 52, 104-7	16.4	429
1010	**2009**,		405
1009	Conversion of CO2 from Air into Methanol Using a Polyamine and a Homogeneous Ruthenium Catalyst. *Journal of the American Chemical Society*, **2016**, 138, 778-81	16.4	371
1008	Carbon dioxide capture from the air using a polyamine based regenerable solid adsorbent. *Journal of the American Chemical Society*, **2011**, 133, 20164-7	16.4	345
1007	Aromatic substitution. XXVIII. Mechanism of electrophilic aromatic substitutions. *Accounts of Chemical Research*, **1971**, 4, 240-248	24.3	324
1006	Electrochemical CO2 Reduction: Recent Advances and Current Trends. *Israel Journal of Chemistry*, **2014**, 54, 1451-1466	3.4	289
1005	Perfluorinated Resinsulfonic Acid (Nafion-H) Catalysis in Synthesis. *Synthesis*, **1986**, 1986, 513-531	2.9	274
1004	N-halosuccinimide/BF3-H2O, efficient electrophilic halogenating systems for aromatics. *Journal of the American Chemical Society*, **2004**, 126, 15770-6	16.4	254
1003	Iodotrimethylsilane versatile synthetic reagent. *Tetrahedron*, **1982**, 38, 2225-2277	2.4	235
1002	Taming of fluoroform: direct nucleophilic trifluoromethylation of Si, B, S, and C centers. *Science*, **2012**, 338, 1324-7	33.3	225

1001	Super acids. III. Protonation of alkanes and intermediacy of alkanonium ions, pentacoordinated carbon cations of CH5+ type. Hydrogen exchange, protolytic cleavage, hydrogen abstraction; polycondensation of methane, ethane, 2,2-dimethylpropane and 2,2,3,3-tetramethylbutane in FSO3H-SbF5. *Journal of the American Chemical Society*, **1969**, 91, 3261-3268	16.4	225
1000	Carbocations and Electrophilic Reactions. *Angewandte Chemie International Edition in English*, **1973**, 12, 173-212		221
999	Chemistry in super acids. I. Hydrogen exchange and polycondensation of methane and alkanes in FSO3H-SbF5 ("magic acid") solution. Protonation of alkanes and the intermediacy of CH5+ and related hydrocarbon ions. The high chemical reactivity of "paraffins" in ionic solution reactions. *Journal of the American Chemical Society*, **1968**, 90, 2726-2727	16.4	203
998	My Search for Carbocations and Their Role in Chemistry (Nobel Lecture). *Angewandte Chemie International Edition in English*, **1995**, 34, 1393-1405		198
997	Nanostructured silica as a support for regenerable high-capacity organoamine-based CO2 sorbents. *Energy and Environmental Science*, **2010**, 3, 1949	35.4	191
996	Bi-reforming of methane from any source with steam and carbon dioxide exclusively to metgas (CO-2H2) for methanol and hydrocarbon synthesis. *Journal of the American Chemical Society*, **2013**, 135, 648-50	16.4	179
995	Efficient chemoselective carboxylation of aromatics to arylcarboxylic acids with a superelectrophilically activated carbon dioxide-Al(2)Cl(6)/Al system. *Journal of the American Chemical Society*, **2002**, 124, 11379-91	16.4	170
994	100 years of carbocations and their significance in chemistry. *Journal of Organic Chemistry*, **2001**, 66, 5943-57	4.2	170
993	Chlorination and bromination of fullerenes. Nucleophilic methoxylation of polychlorofullerenes and their aluminum trichloride catalyzed Friedel-Crafts reaction with aromatics to polyarylfullerenes. *Journal of the American Chemical Society*, **1991**, 113, 9385-9387	16.4	168
992	Long-lived cyclopropylcarbinyl cations. *Chemical Reviews*, **1992**, 92, 69-95	68.1	159
991	Protonated heteroaliphatic compounds. *Chemical Reviews*, **1970**, 70, 561-591	68.1	159
990	Synthetic methods and reactions. 181. Iodination of deactivated aromatics with N-iodosuccinimide in trifluoromethanesulfonic acid (NIS-CF3SO3H) via in situ generated superelectrophilic iodine(I) trifluoromethanesulfonate. *Journal of Organic Chemistry*, **1993**, 58, 3194-3195	4.2	158
989	Stable carbonium ions. XCI. Carbon-13 nuclear magnetic resonance spectroscopic study of carbonium ions. *Journal of the American Chemical Society*, **1969**, 91, 5801-5810	16.4	155
988	Considered novel aromatic systems. 11. Diamagnetic polyanions of the C60 and C70 fullerenes: preparation, 13C and 7Li NMR spectroscopic observation, and alkylation with methyl iodide to polymethylated fullerenes. *Journal of the American Chemical Society*, **1991**, 113, 3205-3206	16.4	152
987	Synthesis and Applications of Palladium-Coated Poly(vinylpyridine) Nanospheres. *Chemistry of Materials*, **2000**, 12, 1985-1989	9.6	146
986	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. *Journal of the American Chemical*	16.4	146
985	Aromatic substitution. XXX. Friedel-Crafts benzylation of benzene and toluene with benzyl and substituted benzyl halides. *Journal of the American Chemical Society*, **1972**, 94, 7448-7461	16.4	146
984	Formylating agents. *Chemical Reviews*, **1987**, 87, 671-686	68.1	144

983	Stable carbocations. CXXIV. Benzenium ion and monoalkylbenzenium ions. *Journal of the American Chemical Society*, **1972**, 94, 2034-2043	16.4	143
982	Electrochemical reduction of CO2 over Sn-Nafion coated electrode for a fuel-cell-like device. *Journal of Power Sources*, **2013**, 223, 68-73	8.9	141
981	Preparation of 3,3-Diaryloxindoles by Superacid-Induced Condensations of Isatins and Aromatics with a Combinatorial Approach. *Journal of Organic Chemistry*, **1998**, 63, 4481-4484	4.2	141
980	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. *Journal of Organic Chemistry*, **2003**, 68, 4457-63	4.2	140
979	Regioselective conversion of arylboronic acids to phenols and subsequent coupling to symmetrical diaryl ethers. *Journal of Organic Chemistry*, **2001**, 66, 633-4	4.2	139
978	Unified mechanistic concept of electrophilic aromatic nitration: convergence of computational results and experimental data. *Journal of the American Chemical Society*, **2003**, 125, 4836-49	16.4	125
977	Stable Carbonium Ions. II.1aOxocarbonium1b(Acylium) Tetrafluoroborates, Hexafluorophosphates, Hexafluoroantimonates and Hexafluoroarsenates. Structure and Chemical Reactivity of Acyl Fluoride: Lewis Acid Fluoride Complexes1c. *Journal of the American Chemical Society*, **1962**, 84, 2733-2740	16.4	124
976	Electrophilic reactions at single bonds. XII. Hydrogen-deuterium exchange, protolysis (deuterolysis), and oligocondensation of alkanes with superacids. *Journal of the American Chemical Society*, **1973**, 95, 4960-4970	16.4	123
975	Conclusion of the classical-nonclassical ion controversy based on the structural study of the 2-norbornyl cation. *Accounts of Chemical Research*, **1983**, 16, 440-448	24.3	122
974	Direct Preparation of Trifluoromethyl Ketones from Carboxylic Esters: Trifluoromethylation with (Trifluoromethyl)trimethylsilane. *Angewandte Chemie - International Edition*, **1998**, 37, 820-821	16.4	121
973	Stable carbonium ions. LXV. Protonation of hydrogen cyanide and alkyl nitriles in FSO3H-SbF5-SO2 solution. Comparative study of Meerwein's N-alkylnitrilium ions. *Journal of the American Chemical Society*, **1968**, 90, 4666-4672	16.4	121
972	After Oil and Gas: Methanol Economy. *Catalysis Letters*, **2004**, 93, 1-2	2.8	118
971	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. *Journal of the American Chemical Society*, **1971**, 93, 1251-1256	16.4	114
970	ipso-nitration of arylboronic acids with chlorotrimethylsilane-nitrate salts. *Organic Letters*, **2004**, 6, 2205-7	6.2	113
969	New electrophilic difluoromethylating reagent. *Organic Letters*, **2007**, 9, 1863-6	6.2	112
968	Stable carbocations. 215. Carbon-13 nuclear magnetic resonance spectroscopic study of the benzenium, naphthalenium, and anthracenium ions. *Journal of the American Chemical Society*, **1978**, 100, 6299-6308	16.4	112
967	Asymmetric synthesis of trifluoromethylated allylic amines using alpha,beta-unsaturated N-tert-butanesulfinimines. *Organic Letters*, **2001**, 3, 2847-50	6.2	111
966	Stereoselective synthesis of anti-alpha-(difluoromethyl)-beta-amino alcohols by boronic acid based three-component condensation. Stereoselective preparation of (2S,3R)-difluorothreonine. *Journal of Organic Chemistry*, **2002**, 67, 3718-23	4.2	110

965	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 alkoxysilanes to unsymmetrical ethers. *Journal of Organic Chemistry*, **1987**, 52, 4314-4319	4.2	110
964	Electrophilic methane conversion. *Accounts of Chemical Research*, **1987**, 20, 422-428	24.3	109
963	Stable carbonium ions. CI. Tetraphenylcyclobutadiene dication. *Journal of the American Chemical Society*, **1970**, 92, 1430-1432	16.4	109
962	Polyarenefullerenes, C60(H-Ar)n, obtained by acid-catalyzed fullerenation of aromatics. *Journal of the American Chemical Society*, **1991**, 113, 9387-9388	16.4	107
961	Stable carbocations, 189. The .sigma.-bridged 2-norbornyl cation and its significance to chemistry. *Accounts of Chemical Research*, **1976**, 9, 41-52	24.3	107
960	CO2 capture by amines in aqueous media and its subsequent conversion to formate with reusable ruthenium and iron catalysts. *Green Chemistry*, **2016**, 18, 5831-5838	10	106
959	Stable Carbonium Ions. IV.1a Secondary and Tertiary Alkyl and Aralkyl Oxocarbonium Hexafluoroantimonates. Formation and Identification of the Trimethylcarbonium Ion by Decarbonylation of the tert-Butyl Oxocarbonium Ion. *Journal of the American Chemical Society*, **1963**, 85, 1328-1334	16.4	103
958	Synthesis methods and reactions. 71. Chlorotrimethylsilane and tert-butyl dimethylsilyl chloride/lithium sulfide, mild and efficient silylating reagents. *Journal of Organic Chemistry*, **1979**, 44, 4272-4275	4.2	101
957	BF3-H2O catalyzed hydroxyalkylation of aromatics with aromatic aldehydes and dicarboxaldehydes: efficient synthesis of triarylmethanes, diarylmethylbenzaldehydes, and anthracene derivatives. *Journal of Organic Chemistry*, **2009**, 74, 8659-68	4.2	100
956	Preparation of and Fluoroalkylation with (Chlorodifluoromethyl)trimethylsilane, Difluorobis(trimethylsilyl)methane, and 1,1,2,2-Tetrafluoro-1,2-bis(trimethylsilyl)ethane. *Journal of the American Chemical Society*, **1997**, 119, 1572-1581	16.4	99
955	From Kekulâ s Tetravalent Methane to Five-, Six-, and Seven-Coordinate Protonated Methanes1. *Accounts of Chemical Research*, **1997**, 30, 245-250	24.3	99
954	Easily regenerable solid adsorbents based on polyamines for carbon dioxide capture from the air. *ChemSusChem*, **2014**, 7, 1386-97	8.3	97
953	Ionic liquid and solid HF equivalent amine-poly(hydrogen fluoride) complexes effecting efficient environmentally friendly isobutane-isobutylene alkylation. *Journal of the American Chemical Society* , **2005**, 127, 5964-9	16.4	97
952	Aromatic Substitution. VIII.1 Mechanism of the Nitronium Tetrafluoroborate Nitration of Alkylbenzenes in Tetramethylene Sulfone Solution. Remarks on Certain Aspects of Electrophilic Aromatic Substitution2. *Journal of the American Chemical Society*, **1961**, 83, 4571-4580	16.4	97
951	Superelectrophilic solvation. *Accounts of Chemical Research*, **2004**, 37, 211-20	24.3	95
950	Facile Preparation of Fluorine-containing Alkenes, Amides and Alcohols via the Electrophilic Fluorination of Alkenyl Boronic Acids and Trifluoroborates. *Synlett*, **1997**, 1997, 606-608	2.2	94
949	Onium Ylide chemistry. 1. Bifunctional acid-base-catalyzed conversion of heterosubstituted methanes into ethylene and derived hydrocarbons. The onium ylide mechanism of the C1 .fwdarw. C2 conversion. *Journal of the American Chemical Society*, **1984**, 106, 2143-2149	16.4	94
948	Stable carbonium ions. C. Structure of the norbornyl cation. *Journal of the American Chemical Society*, **1970**, 92, 4627-4640	16.4	93

947	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. *Journal of the American Chemical Society*, **1967**, 89, 2227-2228	16.4	90
946	Stable carbonium ions. XLVIII. Halonium ion formation via neighboring halogen participation. Tetramethylethylene halonium ions. *Journal of the American Chemical Society*, **1967**, 89, 4744-4752	16.4	90
945	Amine-free reversible hydrogen storage in formate salts catalyzed by ruthenium pincer complex without pH control or solvent change. *ChemSusChem*, **2015**, 8, 1442-51	8.3	89
944	Alpha-fluoro-alpha-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, 4090-4	11.5	89
943	Stable carbocations. CLXIV. Relative ability of charge delocalization by phenyl, cyclopropyl, and methyl groups in carbenium ions. *Journal of the American Chemical Society*, **1974**, 96, 3548-3559	16.4	88
942	Single Step Bi-reforming and Oxidative Bi-reforming of Methane (Natural Gas) with Steam and Carbon Dioxide to Metgas (CO-2H2) for Methanol Synthesis: Self-Sufficient Effective and Exclusive Oxygenation of Methane to Methanol with Oxygen. *Journal of the American Chemical Society*, **2015**, 137, 8720-9	16.4	87
941	Direct electrophilic monofluoromethylation. *Organic Letters*, **2008**, 10, 557-60	6.2	87
940	Alkoxide- and hydroxide-induced nucleophilic trifluoromethylation using trifluoromethyl sulfone or sulfoxide. *Organic Letters*, **2003**, 5, 3253-6	6.2	87
939	A facile stereocontrolled synthesis of anti-alpha-(trifluoromethyl)-beta-amino alcohols. *Organic Letters*, **2000**, 2, 3173-6	6.2	87
938	The Electronic Spectra of Carbonium Ions in Strongly Acidic Solutions1. *Journal of the American Chemical Society*, **1966**, 88, 1488-1495	16.4	87
937	Synthetic methods and reactions. I. Seleniuum tetrafluoride and its pyridine complex. Convenient fluorinating agents for fluorination of ketones, aldehydes, amides, alcohols, carboxylic acids, and anhydrides. *Journal of the American Chemical Society*, **1974**, 96, 925-927	16.4	86
936	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. *Journal of the American Chemical Society*, **1975**, 97, 2928-2929	16.4	85
935	Aromatic Substitution. VII.1 Friedel-Crafts Type Nitration of Aromatics2. *Journal of the American Chemical Society*, **1961**, 83, 4564-4571	16.4	85
934	Synthetic methods and reactions. 112. Synthetic transformations with trichloromethylsilane/sodium iodide reagent. *Journal of Organic Chemistry*, **1983**, 48, 3667-3672	4.2	84
933	Gallium (III) triflate catalyzed efficient Strecker reaction of ketones and their fluorinated analogs. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 3703-6	11.5	83
932	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. *Journal of Organic Chemistry*, **1977**, 42, 4187-4191	4.2	83
931	Chiral alpha-branched benzylic carbocations: diastereoselective intermolecular reactions with arene nucleophiles and NMR spectroscopic studies. *Journal of the American Chemical Society*, **2006**, 128, 9668-75	16.4	82
930	Stable Carbonium Ions. LIV. Protonation of and Hydride Ion Abstraction from Cycloalkanes and Polycycloalkanes in Fluorosulfonic Acid-Antimony Pentafluoride. *Journal of the American Chemical Society*, **1968**, 90, 933-938	16.4	82

929	N,N-Dimethyl-S-difluoromethyl-S-phenylsulfoximinium tetrafluoroborate: A versatile electrophilic difluoromethylating reagent. *Journal of Fluorine Chemistry*, **2011**, 132, 792-798	2.1	79
928	Synthetic methods and reactions 104. Silylations with in situ generated trimethylsilyl triflate reagent systems. *Journal of Organic Chemistry*, **1981**, 46, 5212-5214	4.2	79
927	Novel aromatic systems. II. Cyclobutenyl cations and the question of their homoaromaticity. Preparation and study of the homocyclopropenium ion, the simplest homoaromatic system. *Journal of the American Chemical Society*, **1975**, 97, 5489-5497	16.4	78
926	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	16.4	78
925	Aromatic substitution. 43. Perfluorinated resinsulfonic acid catalyzed nitration of aromatics. *Journal of Organic Chemistry*, **1978**, 43, 4628-4630	4.2	78
924	Hydrogen generation from formic acid decomposition by ruthenium carbonyl complexes. Tetraruthenium dodecacarbonyl tetrahydride as an active intermediate. *ChemSusChem*, **2011**, 4, 1241-8	8.3	77
923	High efficiency direct methanol fuel cell based on poly(styrenesulfonic) acid (PSSA)/poly(vinylidene fluoride) (PVDF) composite membranes. *Journal of Fluorine Chemistry*, **2004**, 125, 1217-1230	2.1	77
922	Stable carbocations. CXIV. Structure of cyclopropylcarbinyl and cyclobutyl cations. *Journal of the American Chemical Society*, **1972**, 94, 146-156	16.4	77
921	Stable carbonium ions. XLVII. Alkylcarbonium ion formation from alkanes via hydride (alkide) ion abstraction in fluorosulfonic acid-antimony pentafluoride-sulfuryl chlorofluoride solution. *Journal of the American Chemical Society*, **1967**, 89, 4739-4744	16.4	77
920	Novel High-Energy Density Materials. Synthesis and Characterization of Triazidocarbenium Dinitramide, -Perchlorate, and -Tetrafluoroborate. *Journal of the American Chemical Society*, **1997**, 119, 8802-8808	16.4	76
919	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, 1884-9	16.4	76
918	Gallium(III) triflate: an efficient and a sustainable Lewis acid catalyst for organic synthetic transformations. *Accounts of Chemical Research*, **2012**, 45, 565-77	24.3	74
917	Efficient nucleophilic fluoromethylation and subsequent transformation of alkyl and benzyl halides using fluorobis(phenylsulfonyl)methane. *Organic Letters*, **2009**, 11, 1127-30	6.2	74
916	Stable Carbonium Ions. VIII. The 1-Adamantyl Cation. *Journal of the American Chemical Society*, **1964**, 86, 4195-4197	16.4	73
915	Difluoromethyl phenyl sulfone, a difluoromethylidene equivalent: use in the synthesis of 1,1-difluoro-1-alkenes. *Angewandte Chemie - International Edition*, **2004**, 43, 5203-6	16.4	72
914	Relative Abilities of Fluorine and Chlorine to Stabilize Carbenium Ions: Crystal Structures of Two Fluoro-Substituted Carbocations and of As2F11-. *Journal of the American Chemical Society*, **2000**, 122, 481-487	16.4	72
913	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	16.4	72
912	Silica Nanoparticles as Supports for Regenerable CO2 Sorbents. *Energy & Fuels*, **2012**, 26, 3082-3090	4.1	71

911	Chlorotrimethylsilane-nitrate salts as oxidants: direct oxidative conversion of thiols and disulfides to sulfonyl chlorides. *Journal of Organic Chemistry*, **2007**, 72, 5847-50	4.2	71
910	Efficient Reversible Hydrogen Carrier System Based on Amine Reforming of Methanol. *Journal of the American Chemical Society*, **2017**, 139, 2549-2552	16.4	70
909	Nucleophilic difluoromethylation of primary alkyl halides using difluoromethyl phenyl sulfone as a difluoromethyl anion equivalent. *Organic Letters*, **2004**, 6, 4315-7	6.2	70
908	Trifluoromethanesulfonic Acid Catalyzed Novel Friedel□Crafts Acylation of Aromatics with Methyl Benzoate. *Tetrahedron*, **2000**, 56, 7199-7203	2.4	70
907	Stable carbocations. Part 276. Trihalomethyl cations. *Journal of the American Chemical Society*, **1989** , 111, 8020-8021	16.4	70
906	Synthetic Methods and Reactions; 681. Nafion-H-Catalyzed Hydration and Methanolysis of Epoxides. *Synthesis*, **1981**, 1981, 280-282	2.9	70
905	Nucleophilic difluoromethylation and difluoromethylenation using bromodifluoromethyl phenyl sulfone. *Journal of Fluorine Chemistry*, **2005**, 126, 1361-1367	2.1	69
904	Chemical reactivity and functionalization of C60 and C70 fullerenes. *Carbon*, **1992**, 30, 1203-1211	10.4	69
903	Stable carbonium ions. LXII. Halonium ion formation via neighboring halogen participation: ethylenehalonium, propylenehalonium, and 1,2-dimethylethylenehalonium ions. *Journal of the American Chemical Society*, **1968**, 90, 2587-2594	16.4	69
902	Nafion-H Catalysed Intramolecular Friedel-Crafts Acylation: Formation of Cyclic Ketones and Related Heterocycles. *Synlett*, **1999**, 1999, 1067-1068	2.2	68
901	Desulfurative fluorination using nitrosonium tetrafluoroborate and pyridinium poly(hydrogen fluoride). *Tetrahedron*, **1996**, 52, 9-14	2.4	68
900	Electrophilic reactions at single bonds. V. Nitration and nitrolysis of alkanes and cycloalkanes with nitronium salts. *Journal of the American Chemical Society*, **1971**, 93, 1259-1261	16.4	68
899	Bridgehead adamantyl, diamantyl, and related cations and dications. *Journal of the American Chemical Society*, **1985**, 107, 2764-2772	16.4	67
898	Facile synthesis of TMS-protected trifluoromethylated alcohols using trifluoromethyltrimethylsilane (TMSCF3) and various nucleophilic catalysts in DMF. *Journal of Organic Chemistry*, **2006**, 71, 6806-13	4.2	66
897	stable carbonium ions. lvii catalysts with olefins.ang. .ang.. *Journal of the American Chemical Society*, **1968**, 90, 947-953	16.4	66
896	Aromatic Substitution. X.1The AlCl3□CH3NO2-Catalyzed Benzylation of Benzene and n-Alkylbenzenes with Benzyl Chloride in Nitromethane Solution. *Journal of the American Chemical Society*, **1962**, 84, 1688-1695	16.4	66
895	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. *Journal of the American Chemical Society*, **1977**, 99, 5026-5039	16.4	65
894	Stable carbocations. CXXI. Carbon-13 magnetic resonance spectroscopy study of ethylenarenium ions (spiro[2.5]octadienyl cations). *Journal of the American Chemical Society*, **1971**, 93, 6877-6887	16.4	65

893	Gallium (III) triflate catalyzed dehydration of aldoximes. *Catalysis Letters*, **2005**, 101, 141-143	2.8	64
892	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. *Journal of the American Chemical Society*, **1987**, 109, 5123-5126	16.4	64
891	Stable carbocations. 225. Proton and carbon-13 NMR spectroscopic study of 9-fluorenyl cations. *Journal of the American Chemical Society*, **1980**, 102, 4485-4492	16.4	64
890	Preparation of tri- and difluoromethylated amines from aldimines using (trifluoromethyl)trimethylsilane. *Organic Letters*, **2006**, 8, 3589-92	6.2	63
889	Convenient Synthesis of Difluoromethyl Alcohols from Both Enolizable and Non-Enolizable Carbonyl Compounds with Difluoromethyl Phenyl Sulfone. *European Journal of Organic Chemistry*, **2005**, 2005, 2218-2223	3.2	63
888	Preparation, NMR Spectroscopic, and ab Initio/DFT/GIAO-MP2 Studies of Halomethyl Cations1. *Journal of the American Chemical Society*, **1996**, 118, 3580-3583	16.4	63
887	Stable carbocations. 210. .sigma.-Bond bridged carbonium ions. 8. The chemistry of protoadamantane. 7. Rapidly equilibrating unsymmetrically bridged 1,3,5,7-tetramethyl- and rapidly equilibrating trivalent 1,2,3,5,7-pentamethyl-2-adamantyl cations. Addivity of carbon-13 NMR chemical shifts relating the classical vs. nonclassical nature of carbocations. *Journal of the*	16.4	63
886	Synthetic Methods and Reactions III1. Halofluorination of Alkenes in Poly-Hydrogen Fluoride/Pyridine Solution. *Synthesis*, **1973**, 1973, 780-783	2.9	63
885	Formic Acid As a Hydrogen Storage Medium: Ruthenium-Catalyzed Generation of Hydrogen from Formic Acid in Emulsions. *ACS Catalysis*, **2014**, 4, 311-320	13.1	62
884	Organometallic chemistry. 17. Silicon-29 and carbon-13 NMR spectroscopic study of phenylsilyl anions. The question of silicon-carbon p.pi.-p.pi.-electron delocalization and comparison with related carbanions. *Journal of the American Chemical Society*, **1980**, 102, 6989-6992	16.4	61
883	Stable carbocations. CLXXIII. Carbon-13 nuclear magnetic resonance studies of alkynylcarbenium ions and alkynoyl cations. Relative importance of mesomeric vinylic (allenylic) cation forms. *Journal of the American Chemical Society*, **1974**, 96, 5855-5859	16.4	61
882	Stable carbonium ions. XLII. Protonated aliphatic aldehydes. *Journal of the American Chemical Society*, **1967**, 89, 3582-3586	16.4	61
881	Iridium-Catalyzed Continuous Hydrogen Generation from Formic Acid and Its Subsequent Utilization in a Fuel Cell: Toward a Carbon Neutral Chemical Energy Storage. *ACS Catalysis*, **2016**, 6, 7475-7484	13.1	60
880	N-Difluoromethylation of imidazoles and benzimidazoles using the Ruppert-Prakash reagent under neutral conditions. *Organic Letters*, **2014**, 16, 54-7	6.2	59
879	Aromatic substitution. 53. Electrophilic nitration, halogenation, acylation, and alkylation of (.alpha.,.alpha.,.alpha.-trifluoromethoxy)benzene. *Journal of the American Chemical Society*, **1987**, 109, 3708-3713	16.4	59
878	Gallium(III) Trifluormethanesulfonate: A Water-Tolerant, Reusable Lewis Acid Catalyst for Friedel-Crafts Reactions. *Catalysis Letters*, **2003**, 85, 1-6	2.8	58
877	Chemistry in superacids. 10. Role of oxonium, sulfonium, and carboxonium dications in superacid-catalyzed reactions. *Journal of the American Chemical Society*, **1993**, 115, 1277-1285	16.4	58
876	Solid superacid-catalyzed organic synthesis. 4. Perfluorinated resinsulfonic acid (Nafion-H) catalyzed Friedel-Crafts benzylation of benzene and substituted benzenes. *Journal of Organic Chemistry*, **1991**, 56, 2089-2091	4.2	58

875	Stable carbocations. CLXXIX. Correlation of carbon-13 chemical shifts and CNDO/2 charge distributions in phenylcarbenium ions and related phenyl substituted onium ions. *Journal of the American Chemical Society*, **1975**, 97, 3419-3427	16.4	58
874	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	16.4	58
873	Stable Carbonium Ions. XVII.1a Cyclopropyl Carbonium Ions and Protonated Cyclopropyl Ketones. *Journal of the American Chemical Society*, **1965**, 87, 5123-5132	16.4	58
872	Nafion-H catalysed sulfonylation of aromatics with arene/alkenesulfonic acids for the preparation of sulfones1a. *Chemical Communications*, **2001**, 1696-7	5.8	57
871	Organometallic chemistry. 23. The covalent nature of trimethylsilyl perchlorate and observation of polarized fluorotrimethylsilane-antimony pentafluoride complexes based on silicon-29 NMR studies. Difficulties in observing long-lived persistent trialkylsilicenium ions. *Journal of the American Chemical Society*, **1990**, 112, 5991-5995	16.4	57
870	Ionic Hydrogenation with Organosilanes under Acid-Free Conditions. Synthesis of Ethers, Alkoxysilanes, Thioethers, and Cyclic Ethers via rganosilyl Iodide and Triflate Catalyzed Reductions of Carbonyl Compounds and Their Derivatives. *Tetrahedron*, **1988**, 44, 3771-3780	2.4	57
869	Synthetic methods and reactions. 85. Reduction of .alpha.-halo ketones with sodium iodide/chlorotrimethylsilane. *Journal of Organic Chemistry*, **1980**, 45, 3531-3532	4.2	57
868	Aldehydes by Formylation of Grignard or Organolithium Reagents with N-Formylpiperidine. *Angewandte Chemie International Edition in English*, **1981**, 20, 878-879		57
867	Organometallic chemistry. 19. Correlation of silicon-29 and carbon-13 NMR chemical shifts in analogous compounds. Application in attempted preparation of silicenium ions. *Organometallics*, **1982**, 1, 1485-1487	3.8	57
866	Chemistry in super acids. II. Nuclear magnetic resonance and laser Raman spectroscopic study of the antimony pentafluoride-fluorosulfuric acid (sulfur dioxide) solvent system (magic acid). The effect of added halides, water, alcohols, and carboxylic acids. Study of the hydronium ion. *Journal of the American Chemical Society*, **1969**, 91, 2939-2943	16.4	56
865	Aromatic Substitution. XXIII.1 Nitration and Nitrosation of Pyridine with Nitronium and Nitrosonium Tetrafluoroborate. Isolation of N-Nitro- and N-Nitrosopyridinium Tetrafluoroborates. *Journal of Organic Chemistry*, **1965**, 30, 3373-3376	4.2	56
864	CO2 capture on easily regenerable hybrid adsorbents based on polyamines and mesocellular silica foam. Effect of pore volume of the support and polyamine molecular weight. *RSC Advances*, **2014**, 4, 19403-19417	3.7	55
863	Organic reactions catalyzed by solid superacids. 5. Perfluorinated sulfonic acid resin (Nafion-H) catalyzed intramolecular Friedel-Crafts acylation. *Journal of Organic Chemistry*, **1991**, 56, 3955-3957	4.2	55
862	Electrophilic reactions at single bonds. 22. Superacid-catalyzed electrophilic formylation of adamantane with carbon monoxide competing with Koch-Haaf carboxylation. *Journal of the American Chemical Society*, **1988**, 110, 864-867	16.4	55
861	Stable carbonium ions. XCVIII. The nonclassical cyclopropyl-carbinyl cation. *Journal of the American Chemical Society*, **1970**, 92, 2544-2546	16.4	55
860	Stable carbocations. 273. [1.1.1.1]- and [2.2.1.1]Pagodane dications: frozen two-electron Woodward-Hoffmann transition-state models. *Journal of the American Chemical Society*, **1988**, 110, 7764-7772	16.4	53
859	Stable carbonium ions. LXXXIX. Tetramethylcyclobutenium dication, an aromatic 2 .pi.-electron system. *Journal of the American Chemical Society*, **1969**, 91, 3667-3669	16.4	53
858	Aromatic substitution. XXXVII. Stannic and aluminum chloride catalyzed Friedel-Crafts alkylation of naphthalene with alkyl halides. Differentiation of kinetically and thermodynamically controlled product compositions, and the isomerization of alkylnaphthalenes. *Journal of the American Chemical Society*, **1976**, 98, 1839-1842	16.4	52

857	Heterogenous Catalysis by Solid Superacids; 111. Perfluorinated Resinsulfonic Acid (Nafion-H)2Catalyzed Friedel-Crafts Acylation of Benzene and Substituted Benzenes. *Synthesis*, **1978**, 1978, 672-673	2.9	52
856	Aromatic substitution. XXXI. Friedel-Crafts sulfonylation of benzene and toluene with alkyl- and arylsulfonyl halides and anhydrides. *Journal of the American Chemical Society*, **1973**, 95, 564-569	16.4	52
855	Synthetic methods and reactions. 144. Regiospecific and chemoselective ring opening of epoxides with trimethylsilyl cyanide-potassium cyanide/18-crown-6 complex. *Journal of Organic Chemistry*, **1990**, 55, 2016-2018	4.2	51
854	Carbodications. 6. The ethylene dication: a theoretical study of the ethylene dication (C2H42+) potential-energy surface. *Journal of the American Chemical Society*, **1983**, 105, 5252-5257	16.4	51
853	Chlorotrimethylsilane/lithium bromide and hexamethyldisilane/pyridinium bromide perbromide: effective and selective reagents for the conversion of alkyl (cycloalkyl and aralkyl) alcohols into bromides. *Journal of Organic Chemistry*, **1980**, 45, 1638-1639	4.2	51
852	Onium ions. 24. Oxygen-17 NMR spectroscopic study of oxonium and carboxonium ions. *Journal of the American Chemical Society*, **1982**, 104, 2373-2376	16.4	51
851	Electrophilic reactions at single bonds. XIV. Anhydrous fluoroantimonic acid catalyzed alkylation of benzene with alkanes and alkane-alkene and alkane-alkylbenzene mixtures. *Journal of the American Chemical Society*, **1975**, 97, 6807-6810	16.4	51
850	Synthetic Methods and Reactions; Part 581. Deoxygenation of Sulfoxides and Other Transformations with Chlorotrimethylsilane/Sodium Iodide and Related "Soft" Bases. *Synthesis*, **1979**, 1979, 61-62	2.9	51
849	Stable carbonium ions. XCVI. Propadienylhalonium ions and 2-haloallyl cations. *Journal of the American Chemical Society*, **1970**, 92, 4025-4033	16.4	51
848	Study of operating conditions and cell design on the performance of alkaline anion exchange membrane based direct methanol fuel cells. *Journal of Power Sources*, **2011**, 196, 7967-7972	8.9	50
847	Electrophilic reactions at single bonds. 25. Nitration of adamantane and diamantane with nitronium tetrafluoroborate. *Journal of the American Chemical Society*, **1993**, 115, 7246-7249	16.4	50
846	Stable carbocations. CLX. Relative order of charge delocalization by phenyl, cyclopropyl, and methyl groups in carbenium ions based on carbon-13 nuclear magnetic resonance studies. *Journal of the American Chemical Society*, **1973**, 95, 7530-7531	16.4	50
845	Stable carbonium ions. L. Protonated imines. *Journal of the American Chemical Society*, **1967**, 89, 4756-4759	16.4	50
844	Applicability of linear polyethylenimine supported on nano-silica for the adsorption of CO2 from various sources including dry air. *RSC Advances*, **2015**, 5, 52550-52562	3.7	49
843	Preparation of Condensed Aromatics by Superacidic Dehydrative Cyclization of Aryl Pinacols and Epoxides1a. *Journal of Organic Chemistry*, **1997**, 62, 6666-6671	4.2	49
842	Efficient one-pot synthesis of fluorinated benzimidazolines, benzothiazolines, benzoxazolines, and dihydrobenzoxazinones using gallium(III) triflate as a catalyst. *Organic Letters*, **2007**, 9, 179-82	6.2	49
841	Crossing conventional boundaries in half a century of research. *Journal of Organic Chemistry*, **2005**, 70, 2413-29	4.2	49
840	Acidity and Catalytic Activity of a Nafion-H/Silica Nanocomposite Catalyst Compared with a Silica-Supported Nafion Sample. *Journal of Catalysis*, **2000**, 193, 132-138	7.3	49

839	Catalysis by solid super acids. 20. Nafion-H catalyzed reductive cleavage of acetals and ketals to ethers with triethylsilane. *Journal of Organic Chemistry*, **1986**, 51, 2826-2828	4.2	49
838	Stable carbonium ions. IC. Benzenonium ion (C6H7+) and its degenerate rearrangement. *Journal of the American Chemical Society*, **1970**, 92, 2546-2548	16.4	49
837	Electrophilic reactions at single bonds. VII. Hydrogen-deuterium exchange accompanying protolysis (deuterolysis) of borohydride and aluminum hydride anions with anhydrous strong acids. Intermediacy of pentahydroboron and pentahydroaluminum and their structural relation with the methonium ion. *Journal of the American Chemical Society*, **1972**, 94, 7859-7862	16.4	49
836	Stable carbocations. CXXXIV. Protonation of mono- and dihydroxybenzenes and their methyl ethers in superacids. *Journal of Organic Chemistry*, **1973**, 38, 353-366	4.2	49
835	Aromatic Substitution. XIII.1aComparison of Nitric Acid and Mixed Acid Nitration of Alkylbenzenes and Benzene with Nitronium Salt Nitrations. *Journal of the American Chemical Society*, **1962**, 84, 3687-3693	16.4	49
834	A domino approach of Heck coupling for the synthesis of ╫trifluoromethylstyrenes. *Organic Letters* , **2012**, 14, 1146-9	6.2	48
833	Stable dialkyl ether/poly(hydrogen fluoride) complexes: dimethyl ether/poly(hydrogen fluoride), a new, convenient, and effective fluorinating agent. *Journal of the American Chemical Society*, **2002**, 124, 7728-36	16.4	48
832	Electrophilic reactions at multiple bonds. II. Observation and differentiation of intermediate .sigma. and .pi. complexes in electrophilic additions to ethene, 2,3-dimethyl-2-butene, and adamantylideneadamantane. *Journal of the American Chemical Society*, **1974**, 96, 3581-3589	16.4	48
831	A persistent alpha-fluorocarbanion and its analogues: preparation, characterization, and computational study. *Angewandte Chemie - International Edition*, **2009**, 48, 5358-62	16.4	47
830	Synthetic Methods and Reactions; XVIII1. Preparation of Alkenes via Dehalogenation ofvic-Dihaloalkanes, Coupling of Allyl and Benzyl Halides, Dehalogenative Coupling of Aryl-gem-dihaloalkanes using TiCl3- or TiCl4/ LiAlH4Reagent. *Synthesis*, **1976**, 1976, 607-609	2.9	47
829	Stable carbocations. CL. Fourier transform carbon-13 nuclear magnetic resonance and x-ray photoelectron spectroscopic study of the 2-norbornyl cation. *Journal of the American Chemical Society*, **1973**, 95, 8698-8702	16.4	47
828	Stable carbonium ions. XXXIV. 1-Methylcyclopentyl cation. *Journal of the American Chemical Society*, **1967**, 89, 2692-2694	16.4	47
827	Ab initio/GIAO-CCSD(T) study of structures, energies, and 13C NMR chemical shifts of C4H7(+) and C5H9(+) ions: relative stability and dynamic aspects of the cyclopropylcarbinyl vs bicyclobutonium ions. *Journal of the American Chemical Society*, **2008**, 130, 9168-72	16.4	46
826	Reaction of primary amines with Pt/C catalyst in water under microwave irradiation: a convenient synthesis of secondary amines from primary amines. *Tetrahedron Letters*, **2006**, 47, 1437-1439	2	46
825	Superacidic Trifluoromethanesulfonic Acid-Induced Cycli-Acyalkylation of Aromatics. *Catalysis Letters*, **2003**, 87, 109-112	2.8	46
824	Chemistry in superacids. 8. Superacid-catalyzed carbonylation of methane, methyl halides, methyl alcohol, and dimethyl ether to methyl acetate and acetic acid. *Journal of Organic Chemistry*, **1990**, 55, 4284-4289	4.2	46
823	Diprotonated methane, CH62+, and diprotonated ethane, C2H82+. *Journal of the American Chemical Society*, **1982**, 104, 6851-6852	16.4	46
822	Stable carbonium ions. LXXXV. Laser Raman and infrared spectroscopic study of alkylcarbonium ions. *Journal of the American Chemical Society*, **1971**, 93, 459-463	16.4	46

821	A potentiometric method of monitoring methanol crossover through polymer electrolyte membranes of direct methanol fuel cells. *Journal of Power Sources*, **2003**, 117, 98-101	8.9	45
820	Acidity dependence of the trifluoromethanesulfonic acid catalyzed isobutane-isobutylene alkylation modified with trifluoroacetic acid or water. *Applied Catalysis A: General*, **1996**, 146, 107-117	5.1	45
819	. *Journal of Organic Chemistry*, **1991**, 56, 6248-6250	4.2	45
818	Friedel-Crafts alkylation of anisole and its comparison with toluene. Predominant ortho-para substitution under kinetic conditions and the effect of thermodynamic isomerizations. *Journal of the American Chemical Society*, **1984**, 106, 5284-5290	16.4	45
817	Stable carbonium ions. 33. Primary alkoxycarbonium ions. *Journal of the American Chemical Society*, **1967**, 89, 2993-6	16.4	45
816	Tetraneopentylethylene. *Journal of Organic Chemistry*, **1977**, 42, 580-582	4.2	44
815	Oxyfunctionalization of hydrocarbons. 8. Electrophilic hydroxylation of benzene, alkylbenzenes, and halobenzenes with hydrogen peroxide in superacids. *Journal of Organic Chemistry*, **1978**, 43, 865-867	4.2	44
814	Aromatic substitution. XXIX. Friedel-Crafts acylation of benzene and toluene with substituted acyl halides. Effect of substituents and positional selectivity. *Journal of the American Chemical Society*, **1971**, 93, 6964-6967	16.4	44
813	Stable Carbonium Ions. XXIV.1 Trifluoromethylcarbonium Ions, Protonated Trifluoromethyl Alcohols, and Protonated Fluoro Ketones. *Journal of the American Chemical Society*, **1966**, 88, 3310-3312	16.4	44
812	1H, 13C, 15N NMR and Ab Initio/IGLO/GIAO-MP2 Study of Mono-, Di-, Tri-, and Tetraprotonated Guanidine1. *Journal of the American Chemical Society*, **1997**, 119, 12929-12933	16.4	43
811	Efficient 1,4-addition of alpha-substituted fluoro(phenylsulfonyl)methane derivatives to alpha,beta-unsaturated compounds. *Beilstein Journal of Organic Chemistry*, **2008**, 4, 17	2.5	43
810	Solid superacid catalyzed organic synthesis. 6. Perfluorinated resinsufonic acid (Nafion-H) catalyzed ring closure reaction of 2,2'-dihydroxybiphenyls. A preparative route to dibenzofurans. *Journal of Organic Chemistry*, **1991**, 56, 3192-3194	4.2	43
809	Oxidation of polycyclic arenes in antimony(V) fluoride/sulfuryl chloride fluoride. Formation of arene dications and observation of electron exchange with radical cations based on carbon-13 nuclear magnetic resonance studies. *Journal of the American Chemical Society*, **1976**, 98, 4086-4090	16.4	43
808	Hexamethyldisilane/Iodine: Convenient In Situ Generation of Iodotrimethylsilane. *Angewandte Chemie International Edition in English*, **1979**, 18, 612-614		43
807	Organophosphorus compounds. XI. 1H and 31P nuclear magnetic resonance studies of the protonation of phosphones. *Journal of Organic Chemistry*, **1969**, 34, 1832-1834	4.2	43
806	Stable carbonium ions. LXXXVI. Carbon-13 nuclear magnetic resonance spectrum of the stable nonclassical norbornyl cation. Incompatibility with the equilibrating classical ion conception and further proof for the protonated nortricyclene structure. *Journal of the American Chemical Society*, **1969**, 91, 3954-3956	16.4	43
805	Aromatic Substitution XII.1Steric Effects in Nitronium Salt Nitrations of Alkylbenzenes and Halobenzenes. *Journal of the American Chemical Society*, **1962**, 84, 3684-3687	16.4	43
804	Hexa-, Hepta-, and Octacoordinate Boronium Ions:(1) BH(6)(+), BH(7)(2+), and BH(8)(3+). *Inorganic Chemistry*, **1997**, 36, 1278-1281	5.1	42

803	Electrophilic reactions at multiple bonds. III. Addition of fluorosulfuric acid to alkynes. Intermediacy of open-chain and hydrogen-bridged vinyl cations. *Journal of the American Chemical Society*, **1975**, 97, 1845-1851	16.4	42
802	Heterogeneous catalysis by solid superacids. 4. Methylation of phenols with methyl alcohol and the rearrangement of anisole and methylanisoles over a perfluorinated resinsulfonic acid (Nafion-H) catalyst. *Journal of Organic Chemistry*, **1978**, 43, 3142-3147	4.2	42
801	Stable carbonium ions. LXXXI. Alkyl(aryl)halocarbonium ions and haloarylcarbonium ions. *Journal of the American Chemical Society*, **1969**, 91, 2955-2961	16.4	42
800	Stable carbocations. CXXV. Proton and carbon-13 magnetic resonance studies of phenylcarbenium ion (benzyl cations). Effect of substituents of the stability of carbocations. *Journal of the American Chemical Society*, **1972**, 94, 2044-2052	16.4	42
799	Triprotonated Methane, CH73+: The Parent Heptacoordinate Carbonium Ion1. *Journal of the American Chemical Society*, **1996**, 118, 8503-8504	16.4	41
798	Continued search for elusive persistent trivalent organosilyl cations: the claimed trimethylsilyl cation revisited. Attempted preparation of cyclic and halogen-bridged organosilicenium ions. *Journal of the American Chemical Society*, **1992**, 114, 7737-7742	16.4	41
797	Synthetic methods and reactions. 159. Preparation of 1,2-diketones from nonenolizable aliphatic and aromatic acyl chlorides with diethyl 1-alkyl(aryl)-1-(trimethylsiloxy)-methanephosphonates. *Journal of Organic Chemistry*, **1991**, 56, 902-904	4.2	41
796	Synthetic Methods and Reactions; Part 109. Improved Preparation of Aldehydes and Ketones fromN,N-Dimethylamides and Grignard Reagents. *Synthesis*, **1984**, 1984, 228-230	2.9	41
795	Organometallic chemistry. 21. Silyl trifluoromethanesulfonate (triflate)-boron trichloride (tribromide) complexes. *Organometallics*, **1984**, 3, 1337-1340	3.8	41
794	Stable Carbocations. 198. Formation of Allyl Cations via Protonation of Alkynes in Magic Acid Solution. Evidence for 1,2-Hydrogen and Alkyl Shifts in the Intermediate Vinyl Cations. *Journal of the American Chemical Society*, **1976**, 98, 7333-7340	16.4	41
793	Synthetic Methods and Reactions; 691. Dethioacetalization with Bromodimethylsulfonium Bromide. *Synthesis*, **1979**, 1979, 720-721	2.9	41
792	Stable carbocations. CXXXIX. Nitro- and chlorohexamethylbenzeneium ions and 1-nitro- and 1-chloro-2,4,6-trifluoromesitylenium ions. *Journal of the American Chemical Society*, **1972**, 94, 3667-3669	16.4	41
791	Selective Friedel□rafts Reactions. I. Boron Halide Catalyzed Haloalkylation of Benzene and Alkylbenzenes with Fluorohaloalkanes. *Journal of Organic Chemistry*, **1964**, 29, 2317-2320	4.2	41
790	Preparation of trifluoromethylated dihydrocoumarins, indanones, and arylpropanoic acids by tandem superacidic activation of 2-(trifluoromethyl)acrylic acid with arenes. *Journal of Organic Chemistry*, **2010**, 75, 2219-26	4.2	40
789	Nucleophilic perfluoroalkylation of imines and carbonyls: perfluoroalkyl sulfones as efficient perfluoroalkyl-transfer motifs. *Organic Letters*, **2010**, 12, 2932-5	6.2	40
788	SYNTHESIS OF TRIFLUOROMETHYL-IMINES BY SOLID ACID/SUPERACID CATALYZED MICROWAVE ASSISTED APPROACH. *Journal of Fluorine Chemistry*, **2007**, 128, 587-594	2.1	40
787	BF3.2CF3CH2OH (BF3.2TFE), an efficient superacidic catalyst for some organic synthetic transformations. *Journal of Organic Chemistry*, **2006**, 71, 3952-8	4.2	40
786	Electrophilic Substitution of Methane Revisited. *Journal of the American Chemical Society*, **1995**, 117, 1336-1343	16.4	40

785	Onium ions. 26. Aminodiazonium ions: preparation, proton, carbon-13, and nitrogen-15 NMR structural studies, and electrophilic amination of aromatics. *Journal of the American Chemical Society*, **1983**, 105, 5657-5660	16.4	40
784	Onium ions. 20. Ambident reactivity of the nitronium ion. Nitration vs. oxidation of heteroorganic (sulfur, selenium, phosphorus, arsenic, antimony) compounds. Preparation and NMR spectroscopic (carbon-13, nitrogen-15, phosphorus-31) study of nitro and nitrito onium ions. *Journal of the*	16.4	40
783	Stable carbocations. 232. Significant mesomeric nitrenium ion character of the cyanodiphenylmethyl cation. The first long-lived cyanocarbenium ion. *Journal of the American Chemical Society*, **1980**, 102, 6640-6641	16.4	40
782	Organophosphorus compounds. XII. Proton and phosphorus-31 NMR spectroscopic studies of the protonation and cleavage of trialkyl(aryl)phosphates and phosphites, dialkyl phosphonates, and phosphorus oxy acids in fluorosulfuric acid, and fluorosulfuric acid-antimony pentafluoride. *Journal*	4.2	40
781	Electrophilic reactions at single bonds. XVII. Antimony pentafluoride aluminum trichloride, and silver antimony hexafluoride catalyzed chlorination and chlorolysis of alkanes and cycloalkanes. *Journal of the American Chemical Society*, **1973**, 95, 7686-7692	16.4	40
780	Selective Late-Stage Hydrodefluorination of Trifluoromethylarenes: A Facile Access to Difluoromethylarenes. *European Journal of Organic Chemistry*, **2017**, 2017, 2322-2326	3.2	39
779	Effect of carbonates/phosphates as nucleophilic catalysts in dimethylformamide for efficient cyanosilylation of aldehydes and ketones. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 3026-30	11.5	39
778	Oxyfunctionalization of hydrocarbons. 4. Fluorosulfuric acid-antimony pentafluoride, fluorosulfuric acid, sulfuric acid, and hydrofluoric acid induced electrophilic oxygenation of alkanes with hydrogen peroxide. *Journal of the American Chemical Society*, **1977**, 99, 483-488	16.4	39
777	Low-temperature carbon-13 nuclear magnetic resonance spectroscopic investigation of C4H7+. Evidence for an equilibrium involving the nonclassical bicyclobutonium ion and the bisected cyclopropylcarbinyl cation. *Journal of the American Chemical Society*, **1978**, 100, 8016-8018	16.4	39
776	Synthesis of monofluoroalkenes via Julia Kocienski reaction. *Journal of Fluorine Chemistry*, **2010**, 131, 1192-1197	2.1	38
775	DFT study of substituted and benzannelated aryl cations: substituent dependency of singlet/triplet ratio. *Journal of Organic Chemistry*, **2002**, 67, 2913-8	4.2	38
774	Onium ions. VII. Dialkylhalonium ions. *Journal of the American Chemical Society*, **1974**, 96, 884-892	16.4	38
773	Stable carbocations. CXCI. Carbon-13 nuclear magnetic resonance spectroscopic study of 7-norbornenyl cations indicating their nonclassical carbonium ion nature. *Journal of the American Chemical Society*, **1975**, 97, 6803-6806	16.4	38
772	Novel aromatic systems. 4. Cyclobutadiene dications. *Journal of the American Chemical Society*, **1976**, 98, 6290-6304	16.4	38
771	Synthetic Methods and Reactions; 521. Preparation of Nitriles from Aldoximes via Dehydration with Trimethylamine/Sulfur Dioxide Complex. *Synthesis*, **1978**, 1978, 702-703	2.9	38
770	Stable carbonium ions. CXV. Ethylenephenonium and ethylene-p-toluonium ions. *Journal of the American Chemical Society*, **1970**, 92, 7627-7629	16.4	38
769	Aromatic Substitution. XIV.1 Ferric Chloride Catalyzed Bromination of Benzene and Alkylbenzenes wth Bromine in Nitromethane Solution. *Journal of the American Chemical Society*, **1964**, 86, 1039-1044	16.4	38
768	Fluoroanalogs of DDT: superacidic BF3-H2O catalyzed facile synthesis of 1,1,1-trifluoro-2,2-diarylethanes and 1,1-difluoro-2,2-diarylethanes. *Organic Letters*, **2011**, 13, 4128-31	6.2	37

767	PVP-SO2 complex as a solid mild acid catalyst for efficient one pot, three component, Strecker synthesis of Ɑ-aminonitriles. *Catalysis Letters*, **2007**, 114, 1-7	2.8	37
766	Gallium (III) Triflate Catalyzed Beckmann Rearrangement. *Catalysis Letters*, **2005**, 103, 165-168	2.8	37
765	Facile preparation of di- and monofluoromethyl ketones from trifluoromethyl ketones via fluorinated enol silyl ethers. *Journal of Fluorine Chemistry*, **2001**, 112, 355-360	2.1	37
764	Trihalomethyl Cations and Their Superelectrophilic Activation1. *Journal of the American Chemical Society*, **1996**, 118, 1446-1451	16.4	37
763	Electrophilic chlorination of methane over superacidic sulfated zirconia. *Catalysis Letters*, **1994**, 25, 11-19	2.8	37
762	Nafion-HR catalyzed baeyer-villiger oxidation and ritter reaction[1]. *Materials Chemistry and Physics*, **1987**, 17, 21-30	4.4	37
761	Friedel-Crafts Isomerization. I. Effect of Promoted Aluminum Halides on Halobenzenes. *Journal of Organic Chemistry*, **1962**, 27, 3441-3449	4.2	37
760	Synthesis and biological evaluation of fluorinated deoxynucleotide analogs based on bis-(difluoromethylene)triphosphoric acid. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 15693-8	11.5	36
759	Acid-Catalyzed Condensations of Ninhydrin with Aromatic Compounds. Preparation of 2,2-Diaryl-1,3-indanediones and 3-(Diarylmethylene)isobenzofuranones. *Journal of Organic Chemistry*, **1999**, 64, 5152-5155	4.2	36
758	Solid acid (superacid) catalyzed regioselective adamantylation of substituted benzenes. *Catalysis Letters*, **1996**, 42, 5-13	2.8	36
757	Synthetic Methods and Reactions; 751. Facile Conversion of Nitro Compounds and Silyl Nitronates into Carbonyl Compounds by Ceric Ammonium Nitrate.. *Synthesis*, **1980**, 1980, 44-45	2.9	36
756	Oxyfunctionalization of hydrocarbons. 11. Hydroxylation of benzene and alkylbenzenes with hydrogen peroxide in hydrogen fluoride/boron trifluoride. *Journal of Organic Chemistry*, **1981**, 46, 4305-4306	4.2	36
755	Novel aromatic systems. I. Homocyclopropenyl cation, the simplest 2.pi. homoaromatic system. *Journal of the American Chemical Society*, **1974**, 96, 6233-6235	16.4	36
754	Novel aromatic systems. 8. Cyclooctatetraene dications. *Journal of the American Chemical Society*, **1977**, 99, 3349-3355	16.4	36
753	Friedel-Crafts chemistry. VII. Methyl and ethyl fluoride-antimony pentafluoride complexes. Structure and alkylating ability. Evidence for the intermediacy of the ethyl cation. *Journal of the American Chemical Society*, **1972**, 94, 156-164	16.4	36
752	Electrophilic reactions at single bonds. X. Hydrogen transfer, alkylation, and alkylolysis of alkanes with methyl and ethyl fluoroantimonate. *Journal of the American Chemical Society*, **1973**, 95, 4952-4956	16.4	36
751	Reactions of Amides and Sulfonamides with Nitrosonium Salts. *Journal of Organic Chemistry*, **1965**, 30, 2386-2387	4.2	36
750	Stable Carbonium Ions. IX.1 Methylbenzenonium Hexafluoroantimonates2. *Journal of the American Chemical Society*, **1965**, 87, 1103-1108	16.4	36

749	Stable carbonium ions. LII. Protonated esters and their cleavage in fluorosulfonic acid-antimony pentafluoride solution. *Journal of the American Chemical Society*, **1967**, 89, 5694-5700	16.4	36
748	Chiral benzylic carbocations: low-temperature NMR studies and theoretical calculations. *Journal of Organic Chemistry*, **2009**, 74, 312-8	4.2	35
747	Friedel-Crafts Reactions of Buckminsterfullerene. *Fullerenes, Nanotubes, and Carbon Nanostructures* , **1997**, 5, 389-405		35
746	Reactions of 5-, 6-, 7-, 8-hydroxyquinolines and 5-hydroxyisoquinoline with benzene and cyclohexane in superacids. *Journal of Organic Chemistry*, **2002**, 67, 4330-6	4.2	35
745	Superacidic activation of 1- and 3-isoquinolinols and their electrophilic reactions. *Journal of Organic Chemistry*, **2002**, 67, 8943-51	4.2	35
744	Acid-catalyzed isomerization of pivalaldehyde to methyl isopropyl ketone via a reactive protosolvated carboxonium ion intermediate. *Journal of the American Chemical Society*, **2001**, 123, 11556-61	16.4	35
743	N6(2+) and N4(2+) dications and their n(12) and n(10) azido derivatives: DFT/GIAO-MP2 theoretical studies. *Journal of the American Chemical Society*, **2001**, 123, 3308-10	16.4	35
742	Transformation of 1,2-diols over perfluorinated resinsulfonic acids (Nafion-H). *Tetrahedron*, **1994**, 50, 8195-8202	2.4	35
741	Aromatic substitution. 56. Observation of aluminum trichloride-catalyzed trialkylsilylation of benzene and toluene with chlorotrialkylsilanes in the presence of Huenig bases. *Journal of Organic Chemistry*, **1989**, 54, 3770-3771	4.2	35
740	Catalysis by solid superacids. 21. Nafion-H catalyzed de-tert-butylation of aromatic compounds. *Journal of Organic Chemistry*, **1987**, 52, 1881-1884	4.2	35
739	Heterogeneous catalysis by solid superacids. 17. Polymeric perfluorinated resin sulfonic acid (Nafion-H) catalyzed Fries rearrangement of aryl esters. *Journal of Organic Chemistry*, **1983**, 48, 3359-3360	4.2	35
738	Superacid coal chemistry. *Fuel*, **1984**, 63, 1130-1137	7.1	35
737	Aromatic substitution. 52. Superacid-catalyzed carbonylation of aromatics with carbon monoxide. *Journal of Organic Chemistry*, **1985**, 50, 1483-1486	4.2	35
736	Synthetic Methods and Reactions; 991. Preparation of Cyclic Ethers over Superacidic Perfluorinated Resinsulfonic Acid (Nafion-H) Catalyst. *Synthesis*, **1981**, 1981, 474-476	2.9	35
735	Stable Carbonium Ions. XVIII.1a Alkynyl Carbonium Ions. *Journal of the American Chemical Society*, **1965**, 87, 5632-5637	16.4	35
734	Stable carbonium ions. LVIII. Carbon-13 resonance investigation of protonated carboxylic acids (carboxonium ions) and oxocarbonium ions (acyl cations). *Journal of the American Chemical Society*, **1967**, 89, 7072-7075	16.4	35
733	Self-sufficient and exclusive oxygenation of methane and its source materials with oxygen to methanol via metgas using oxidative bi-reforming. *Journal of the American Chemical Society*, **2013**, 135, 10030-1	16.4	34
732	17O and 13C NMR/ab Initio/IGLO/GIAO-MP2 Study of Oxonium and Carboxonium Ions (Dications) and Comparison with Experimental Data1. *Journal of the American Chemical Society*, **1997**, 119, 8035-8042	16.4	34

731	High-Field 1H and 13C NMR Spectroscopic Study of the 2-Norbornyl Cation1a. *Journal of the American Chemical Society*, **1982**, 104, 7105-7108	16.4	34
730	Oxyfunctionalization of hydrocarbons. 1. Protolytic cleavage-rearrangement reactions of tertiary alkyl hydroperoxides with magic acid. *Journal of the American Chemical Society*, **1976**, 98, 2245-2250	16.4	34
729	Carbanions. 3. Nuclear magnetic resonance spectroscopic and theoretical study of homoaromaticity in cyclohexadienyl anions. *Journal of the American Chemical Society*, **1978**, 100, 4347-4352	16.4	34
728	Stable carbocations. 211. 1-Phenylallyl cations and their rearrangement to indanyl cations in superacidic media. *Journal of Organic Chemistry*, **1978**, 43, 1518-1520	4.2	34
727	Stable carbonium ions. LXVIII. Protonation and ionization of cyclopropyl halides. Measurement of rotational barriers in substituted allyl cations. *Journal of the American Chemical Society*, **1968**, 90, 6082-6086	16.4	34
726	Stable carbocations. CXXXII. Protonated unsaturated aldehydes and ketones. *Journal of the American Chemical Society*, **1972**, 94, 3554-3561	16.4	34
725	Stable carbocations. CXL. Naphthalenium ions. *Journal of the American Chemical Society*, **1973**, 95, 1865-1874	16.4	34
724	Nucleophilic trifluoromethylation of carbonyl compounds: trifluoroacetaldehyde hydrate as a trifluoromethyl source. *Journal of Organic Chemistry*, **2013**, 78, 3300-5	4.2	33
723	Preparation of □difluoroalkanesulfonic acids. *Journal of Fluorine Chemistry*, **2004**, 125, 595-601	2.1	33
722	Trimethylsilyl azide/triflic acid, a highly efficient electrophilic aromatic amination reagent. *Journal of Organic Chemistry*, **1989**, 54, 1203-1204	4.2	33
721	Electrophilic reactions at single bonds. 18. Heterogeneous gas phase ethylation of methane with ethylene over solid superacids. A carbon-13 isotope tracer study. *Journal of the American Chemical Society*, **1983**, 105, 6529-6531	16.4	33
720	Stable carbocations. 192. Acyclic carbodications. *Journal of the American Chemical Society*, **1976**, 98, 2501-2507	16.4	33
719	Heterogeneous catalysis by solid superacids. 5. Methylation of benzene and methylbenzenes with methyl alcohol over a perfluorinated resin sulfonic acid (Nafion-H) catalyst. *Journal of Organic Chemistry*, **1978**, 43, 3147-3150	4.2	33
718	Synthetic Methods and Reactions; 671. One-Step Conversion of Alicyclic Ketones into Lactams with Hydroxylamine-O-sulfonic Acid/Formic Acid. *Synthesis*, **1979**, 1979, 537-538	2.9	33
717	Stable carbonium ions. LXXX. Protonation, alkylation, and acylation of aziridine, N-alkylaziridines, and N-acylaziridines. Aziridinium, N-alkylaziridinium, and N-acylaziridinium ions. *Journal of the American Chemical Society*, **1969**, 91, 2949-2955	16.4	33
716	Stable carbonium ions. XLIII. Protonated aliphatic ketones. *Journal of the American Chemical Society* , **1967**, 89, 3586-3590	16.4	33
715	On the nature of C-H□F-C interactions in hindered CF3-C(sp3) bond rotations. *Angewandte Chemie - International Edition*, **2011**, 50, 11761-4	16.4	32
714	Conformational study of 9-dehydro-9-trifluoromethyl cinchona alkaloids via 19F NMR spectroscopy: emergence of trifluoromethyl moiety as a conformational stabilizer and a probe. *Journal of the American Chemical Society*, **2011**, 133, 9992-5	16.4	32

713	First X-ray Crystallographic Study of a Benzyl Cation, Cumyl Hexafluoroantimonate(V), and Structural Implications. *Journal of the American Chemical Society*, **1997**, 119, 3087-3092	16.4	32
712	Naked Fluoride Ion Sources: Synthesis, Characterization, and Coupling Reaction of 1-Methylhexamethylenetetramine Fluoride. *Journal of the American Chemical Society*, **1997**, 119, 112-115	16.4	32
711	Preparation of TMS protected trifluoromethylated alcohols using trimethylamine N-oxide and trifluoromethyltrimethylsilane (TMSCF3). *Journal of Fluorine Chemistry*, **2003**, 123, 61-63	2.1	32
710	Chemistry in superacids. 13. Protio-tert-butyl dication ((H3C)2C+CH4+): hydrogen-deuterium exchange and theoretical study. The role of protosolvation on alkyl cation reactivity in superacidic solution. *Journal of the American Chemical Society*, **1993**, 115, 6985-6986	16.4	32
709	Direct Fluorination of Diarylacetylenes to Diaryltetrafluoroethanes with Convenient F2 Equivalent Nitrosonium Tetrafluoroborate-Pyridinium Polyhydrogen Fluoride. *Journal of Organic Chemistry*, **1994**, 59, 6493-6494	4.2	32
708	Oxyfunctionalization of hydrocarbons. 17. Acid-dependent high regioselectivity hydroxylation of naphthalene with hydrogen peroxide giving 1- or 2-naphthol. *Journal of Organic Chemistry*, **1991**, 56, 6148-6151	4.2	32
707	Superacid-catalyzed near-quantitative isomerization of C4n+6H4n+12 (n = 1-3) polycyclic precursors to diamondoid cage hydrocarbons promoted by 1-haloadamantanes and sonication. *Journal of Organic Chemistry*, **1988**, 53, 2840-2843	4.2	32
706	Synthetic methods are reactions. 73. Conversion of epoxides and enamines into α-haloketones with halodimethylsulfonium halides. *Tetrahedron Letters*, **1979**, 20, 3653-3656	2	32
705	Synthetic Methods and Reactions; 871. Deoxygenation of PyridineN-Oxides with Trimethyl(ethyl)amine-Sulfur Dioxide Complexes. *Synthesis*, **1980**, 1980, 660-661	2.9	32
704	Synthetic methods and reactions. 46. Oxidation of organic compounds with uranium hexafluoride in haloalkane solutions. *Journal of the American Chemical Society*, **1978**, 100, 5396-5402	16.4	32
703	Organometallic chemistry. I. Ethylene- and norbornylenemercurinium ions. *Journal of the American Chemical Society*, **1971**, 93, 1261-1263	16.4	32
702	Electrophilic reactions at single bonds. IV. Hydrogen transfer from, alkylation of, and alkylolysis of alkanes by alkylcarbenium fluoroantimonates. *Journal of the American Chemical Society*, **1971**, 93, 1256-1259	16.4	32
701	Stable carbocations. CXIX. Carbon-13 nuclear magnetic resonance spectroscopy study of the structure of allyl cations. *Journal of the American Chemical Society*, **1971**, 93, 4219-4222	16.4	32
700	Stable carbocations. CXXXVII. Cycloheptenyl, cyclooctenyl, and cyclononenyl cations. *Journal of the American Chemical Society*, **1972**, 94, 6434-6441	16.4	32
699	Stable Carbonium Ions. XIII.1 Generation of Stable Alkyl, Alkylaryl, and Cycloalkyl Carbonium Ions from Alcohols in Fluorosulfonic Acid and Antimony Pentafluoride. *Journal of the American Chemical Society*, **1965**, 87, 2997-2998	16.4	32
698	Stable carbonium ions. XLV. Benzyl cations. *Journal of the American Chemical Society*, **1967**, 89, 5687-5691	16.4	32
697	Transformation of 1,3-, 1,4- and 1,5-diols over perfluorinated resinsulfonic acids (Nafion-H). *Tetrahedron*, **1995**, 51, 3319-3326	2.4	31
696	Chemistry in superacids. 6. Perfluoroalkanesulfonic acid-boron perfluoroalkanesulfonates: new superacid systems for generation of carbocations and catalysts for electrophilic transformations of hydrocarbons. *Journal of Organic Chemistry*, **1984**, 49, 4591-4594	4.2	31

695	Synthetic methods and reactions. 123. Preparation of .alpha.-chloro ketones from enol silyl ethers with sulfuryl chloride fluoride and sulfuryl chloride. *Journal of Organic Chemistry*, **1984**, 49, 2032-2034	4.2	31
694	Synthetic Methods and Reactions; 791. Reductive Cleavage of Oximes with Vanadium(II) Chloride. *Synthesis*, **1980**, 1980, 220-220	2.9	31
693	Stable carbocations. 195. Rearrangement of ethylenebenzenium ions to .alpha.-phenylethyl(styryl) cations. Determination of the relative energies of the .sigma.-bridged ethylenebenzenium ion, the open-chain 2-phenylethyl cation, and the .alpha.-styryl cation. *Journal of the American Chemical Society*, **1976**, 98, 6284-6289	16.4	31
692	Carcinogen chemistry. 2. Carbon-13 nuclear magnetic resonance spectroscopic study of the ambident carbocationic nature of iminium ions and its relevance to the aminoalkylating ability of related chemical carcinogens. *Journal of Organic Chemistry*, **1978**, 43, 860-865	4.2	31
691	Onium ions. 17. Improved preparation, carbon-13 nuclear magnetic resonance structural study, and nucleophilic nitrolysis (nitrative cleavage) of diarylhalonium ions. *Journal of Organic Chemistry*, **1978**, 43, 463-468	4.2	31
690	Electron spectroscopy of organic ions. II. Carbon 1s electron binding energies of the norbornyl, 2-methylnorbornyl, and related cations. Differentiation between nonclassical carbonium and classical carbenium ions. *Journal of the American Chemical Society*, **1972**, 94, 2529-2530	16.4	31
689	Direct S-difluoromethylation of thiols using the Ruppert–Prakash reagent. *Journal of Fluorine Chemistry*, **2015**, 180, 186-191	2.1	30
688	Synthesis of 3-substituted isoindolin-1-ones via a tandem desilylation, cross-coupling, hydroamidation sequence under aqueous phase-transfer conditions. *Organic and Biomolecular Chemistry*, **2016**, 14, 85-92	3.9	30
687	Fluoride-induced nucleophilic (phenylthio)difluoromethylation of carbonyl compounds with [difluoro(phenylthio)methyl]trimethylsilane (TMSCF2SPh). *Journal of Fluorine Chemistry*, **2005**, 126, 527-532	2.1	30
686	Clarification of the Nature of the "First Chiral and Highly Lewis Acidic Silyl Cationic Catalyst" Concerning the Question of Siliconium Ions vs Silyl Cations1. *Journal of the American Chemical Society*, **1999**, 121, 9615-9617	16.4	30
685	Poly-4-vinylpyridinium Poly(hydrogen fluoride): A Convenient Polymeric Fluorinating Agent1. *Synlett*, **1990**, 1990, 267-269	2.2	30
684	Catalysis by solid superacids. 18. Nafion-H perfluorinated resin sulfonic acid promoted deacetylation and decarboxylation of aromatics. *Journal of Organic Chemistry*, **1983**, 48, 3360-3362	4.2	30
683	Synthetic methods and reactions. 101. Reduction of sulfonic acids and sulfonyl derivatives to disulfides with iodide in the presence of boron halides. *Journal of Organic Chemistry*, **1981**, 46, 2408-2410	4.2	30
682	Synthetic Methods and Reactions; Part 1051. Cleavage of Ethanediyl S,S-Acetals with t-Butyl Bromide(Iodide)/Dimethyl Sulfoxide Reagent. *Synthesis*, **1982**, 1982, 151-152	2.9	30
681	Organometallic chemistry. 9. Carbon-13 nuclear magnetic resonance study of the cumylchromium tricarbonyl and of cycloheptatrienylmolybdenum (-chromium, and -tungsten) tricarbonyl cations. *Journal of Organic Chemistry*, **1976**, 41, 1694-1697	4.2	30
680	11-Methyl-11-tricyclo[4.4.1.01,6]undecyl cation. First long-lived, distinct cyclopropyl cation showing significant 2.pi.-homoaromatic nature. *Journal of the American Chemical Society*, **1977**, 99, 4196-4198	16.4	30
679	Synthetic methods and reactions. 54. Deoxygenation of sulfoxides and azo oxides with tris(dimethylamino)phosphine/iodine/sodium iodide reagent. *Journal of Organic Chemistry*, **1978**, 43, 4503-4505	4.2	30
678	Friedel-Crafts chemistry. IV. Dialkylhalonium ions and their possible role in Friedel-Crafts reactions. *Journal of the American Chemical Society*, **1969**, 91, 2113-2115	16.4	30

677	Chiral propargylic cations as intermediates in SN1-type reactions: substitution pattern, nuclear magnetic resonance studies, and origin of the diastereoselectivity. *Journal of the American Chemical Society*, **2014**, 136, 2851-7	16.4	29
676	Poly(N-vinylpyrrolidone)□H2O2 and poly(4-vinylpyridine)□H2O2 complexes: solid H2O2 equivalents for selective oxidation of sulfides to sulfoxides and ketones to gem-dihydroperoxides. *Green Chemistry*, **2014**, 16, 3616	10	29
675	Tris(trimethylsilyl)sulfonium and methylbis(trimethylsilyl)sulfonium ions: preparation, NMR spectroscopy, and theoretical studies(1). *Journal of Organic Chemistry*, **2000**, 65, 7646-9	4.2	29
674	Synthetic methods and reactions. 121. Zinc iodide catalyzed preparation of aroyl azides from aroyl chlorides and trimethylsilyl azide. *Journal of Organic Chemistry*, **1983**, 48, 3358-3359	4.2	29
673	Stable carbocations. Part 267. Pagodane dication, a unique 2.pi.-aromatic cyclobutanoid system. *Journal of the American Chemical Society*, **1986**, 108, 836-838	16.4	29
672	Electrophilic reactions at multiple bonds. I. Selectivity and the role of .pi. and .sigma. complexes in the addition of bromine to alkenes and alkynes in 1,1,2-trichlorotrifluoroethane solution. *Journal of the American Chemical Society*, **1974**, 96, 3574-3580	16.4	29
671	Organometallic chemistry. XII. Proton and carbon-13 nuclear magnetic resonance study of arenemercurinium ions, the intermediate complexes of aromatic mercuration. *Journal of Organic Chemistry*, **1976**, 41, 1983-1986	4.2	29
670	Synthetic methods and reactions. 17. Uranium hexafluoride, a convenient new oxidizing agent for organic synthesis. *Journal of the American Chemical Society*, **1976**, 98, 6717-6718	16.4	29
669	Friedel-Crafts chemistry. V. Isolation, carbon-13 nuclear magnetic resonance, and laser Raman spectroscopic study of dimethylhalonium fluoroantimonates. *Journal of the American Chemical Society*, **1970**, 92, 718-720	16.4	29
668	Substituent effects in gas-phase ionic nitration and acetylation of aromatics. *Journal of the American Chemical Society*, **1972**, 94, 6862-6864	16.4	29
667	Aromatic Substitution. XVI.1 Friedel-Crafts Isopropylation of Benzene and Methylbenzenes with Isopropyl Bromide and Propylene. *Journal of the American Chemical Society*, **1964**, 86, 1046-1054	16.4	29
666	Aromatic Substitution. XXII.1a Acetylation of Benzene, Alkylbenzenes, and Halobenzenes with Methyloxocarbonium (Acetylium) Hexafluoro- and Hexachloroantimonate. *Journal of the American Chemical Society*, **1964**, 86, 2203-2209	16.4	29
665	Effect of the thickness of the anode electrode catalyst layers on the performance in direct methanol fuel cells. *Journal of Power Sources*, **2017**, 352, 165-173	8.9	28
664	Efficient green synthesis of □aminonitriles, precursors of □amino acids. *Green Chemistry*, **2008**, 10, 1105	10	28
663	Superacid catalyzed reactions of 5-amino-1-naphthol with benzene and cyclohexane. *Tetrahedron*, **2002**, 58, 5423-5426	2.4	28
662	Oxyfunctionalization of hydrocarbons. 14. Electrophilic hydroxylation of aromatics with bis(trimethylsilyl) peroxide/triflic acid. *Journal of Organic Chemistry*, **1989**, 54, 1204-1206	4.2	28
661	Synthetic methods and reactions. 119. N-Formylmorpholine: a new and effective formylating agent for the preparation of aldehydes and dialkyl (1-formylalkyl)phosphonates from Grignard or organolithium reagents. *Journal of Organic Chemistry*, **1984**, 49, 3856-3857	4.2	28
660	Considered as onium ions. 31. Protonated hydronium dication, H4O2+. Hydrogen-deuterium exchange of Dd2H17 O+ in HF-SbF5 and DH217O+ in DF-SbF5 and theoretical calculations. *Journal of the American Chemical Society*, **1986**, 108, 1032-1035	16.4	28

659	Aromatic substitution. 45. Transfer nitration of aromatics with N-nitropyridinium and quinolinium ions. *Journal of the American Chemical Society*, **1980**, 102, 3507-3510	16.4	28
658	Synthetic methods and reactions. 103. Preparation of alkyl iodides from alkyl fluorides and chlorides with iodotrimethylsilane or its in situ analogs. *Journal of Organic Chemistry*, **1981**, 46, 3727-3728	4.2	28
657	Synthetic Methods and Reactions. Part 106. Suppression of anchimerically assisted rearrangement products in the synthesis of □fluorocarboxylic acids from □amino acids with 48:52 (w/w) hydrogen fluoride/pyridine [1]. *Helvetica Chimica Acta*, **1981**, 64, 2528-2530	2	28
656	Aromatic substitution. 50. Mercury(II)-promoted azeotropic nitration of aromatics over Nafion-H solid superacidic catalyst. *Journal of Organic Chemistry*, **1982**, 47, 596-598	4.2	28
655	Unusual solvent effects in the Wittig reaction of some ketones indicating initial one-electron transfer. *Journal of the American Chemical Society*, **1982**, 104, 3987-3990	16.4	28
654	Stable carbocations. 204. Rearrangement and equilibria of ions formed from side-chain substituted .beta.-phenylethyl chlorides under stable ion conditions. *Journal of the American Chemical Society*, **1977**, 99, 2615-2621	16.4	28
653	Stable carbonium ions. LXVII. Halonium ion formation via 1,4-halogen participation. Five-membered-ring tetramethylenehalonium, 2-methyltetramethylenehalonium, and 2,5-dimethyltetramethylenehalonium ions. *Journal of the American Chemical Society*, **1968**, 90, 4675-4678	16.4	28
652	Aromatic substitution. XXVII. Friedel-Crafts benzylation of toluene and benzene with substituted benzyl chlorides. Substituent effects in the electrophilic substituting agent affecting the nature of the transition state as reflected by substrate and positional selectivity. *Journal of the American*	16.4	28
651	Stable carbocations. CXXVIII. Protonated acyclic carboxylic acid anhydrides and their cleavage to oxocarbenium ions. Question of the formyl cation in superacid media. *Journal of the American Chemical Society*, **1972**, 94, 4200-4205	16.4	28
650	Stable carbonium ions. LI. Fluorobenzenonium ions. *Journal of the American Chemical Society*, **1967**, 89, 5692-5694	16.4	28
649	Cationic Ring-Opening Polymerization of Cyclosiloxanes Initiated by Electron-Deficient Organosilicon Reagents1a. *Macromolecules*, **1996**, 29, 6691-6694	5.5	27
648	Stable carbocations. 285. 1-Ferrocenyl-1-cyclopropyl cation: the first long-lived cyclopropyl cation. *Journal of the American Chemical Society*, **1992**, 114, 1097-1098	16.4	27
647	Aluminum dichloride and dibromide. Preparation, spectroscopic (including matrix isolation) study, reactions, and role (together with alkyl(aryl)aluminum monohalides) in the preparation of organoaluminum compounds. *Journal of the American Chemical Society*, **1988**, 110, 3231-3238	16.4	27
646	Stable carbocations. 266. Study of carbon-13-carbon-13 NMR coupling constants in .alpha.-cyanodiarylmethyl and 1,1-diaryl-2-butynyl cations. *Journal of the American Chemical Society*, **1986**, 108, 1575-1579	16.4	27
645	Aromatic substitution. 48. Boron trifluoride catalyzed nitration of aromatics with silver nitrate in acetonitrile solution. *Journal of Organic Chemistry*, **1981**, 46, 3533-3537	4.2	27
644	Friedel-Crafts chemistry. VIII. Reaction of benzene, halobenzenes, and alkylbenzenes with antimony pentafluoride. Oxidative Scholl condensation and Friedel-Crafts metalation, a new route to arylfluorostibines. *Journal of the American Chemical Society*, **1974**, 96, 876-883	16.4	27
643	Aromatic substitution. XXXV. Boron trifluoride catalyzed nitration of benzene, alkylbenzenes, and halobenzenes with methyl nitrate in nitromethane solution. *Journal of the American Chemical Society*, **1974**, 96, 2892-2898	16.4	27
642	Organometallic chemistry. VI. Carbon-13 nuclear magnetic resonance spectroscopic study of .alpha.-ferrocenylcarbenium ions. *Journal of Organic Chemistry*, **1975**, 40, 1849-1850	4.2	27

641	Stable carbocations. CLXXVI. 3-Nortricyclyl cations. Question of charge delocalization in rigid cyclopropylcarbinyl systems. *Journal of the American Chemical Society*, **1975**, 97, 1920-1927	16.4	27
640	Novel aromatic systems. III. The 1,3,5,7-tetramethylcyclooctatetraene dication, the first 8C-6.pi. Hueckeloid system. *Journal of the American Chemical Society*, **1976**, 98, 1267-1269	16.4	27
639	Oxyfunctionalization of hydrocarbons. 3. Superacid catalyzed oxygenation of alkanes with ozone involving protonated ozone, O3H+. *Journal of the American Chemical Society*, **1976**, 98, 5261-5268	16.4	27
638	Novel aromatic systems. 9. Proton and carbon-13 nuclear magnetic resonance spectroscopic study of the heteroaromatic 6.pi. 1,3-dioxolium (dithiolium) and 10.pi. benzo-1,3-dioxolium (dithiolium) ions. *Journal of Organic Chemistry*, **1977**, 42, 2237-2240	4.2	27
637	Synthetic Methods and Reactions.43. Preparation of Fluorohydrins from Epoxides with Pyridinium Poly-hydrogen Fluoride. *Israel Journal of Chemistry*, **1978**, 17, 148-149	3.4	27
636	Stable carbonium ions. LXX. Protonated nitroalkanes and nitroaromatic compounds. Cleavage of protonated nitroalkanes (cycloalkanes) to carbonium ions. *Journal of the American Chemical Society*, **1968**, 90, 6461-6464	16.4	27
635	Friedel-Crafts Isomerization. IV.1 Aluminum Halide-Catalyzed Isomerization of Halotoluenes. *Journal of Organic Chemistry*, **1962**, 27, 3464-3469	4.2	27
634	Friedel□rafts Isomerization. VIII.1a Aluminum Chloride Catalyzed Isomerization of the Diethylbenzenes. *Journal of Organic Chemistry*, **1964**, 29, 2313-2315	4.2	27
633	Stable Carbonium Ions. XXIX.1 The Reaction of Alkyl (Acyl) Sulfinylamines and Isocyanates (Thioisocyanates) with Nitrosonium Salts. New Deaminative Formations of Carbonium (Oxocarbonium) Ions. *Journal of the American Chemical Society*, **1966**, 88, 5328-5330	16.4	27
632	Surface characterization of variously treated Nafion-H, Nafion-H supported on silica and Nafion-H silica nanocomposite catalysts by infrared microscopy. *Applied Catalysis A: General*, **1998**, 174, 147-153	5.1	26
631	Superacidic Activation of Maleimide and Phthalimide and Their Reactions with Cyclohexane and Arenes. *European Journal of Organic Chemistry*, **2006**, 2006, 4861-4866	3.2	26
630	Diprotonated Hydrogen Halides (H3X2+) and Gitonic Protio Methyl- and Dimethylhalonium Dications (CH3XH22+and (CH3)2XH2+):´Theoretical and Hydrogen□Deuterium Exchange Studies1. *Journal of the American Chemical Society*, **2000**, 122, 2737-2741	16.4	26
629	Electrophilic Fluorination of Aromatics with Selectfluor□and Trifluoromethanesulfonic Acid1. *Israel Journal of Chemistry*, **1999**, 39, 207-210	3.4	26
628	Density functional theory (DFT)/IGLO 29Si NMR study of trialkylsilylated arenium, bromonium, oxonium and nitrilium ions, comparison with experimental data and the question of persistent trialkylsilicenium ions in solution. *Journal of Organometallic Chemistry*, **1996**, 521, 271-277	2.3	26
627	Structures and Energies of Mono-, Di-, and Triprotonated Urea: NMR/ab Initio/IGLO Study. *Journal of Organic Chemistry*, **1994**, 59, 2552-2556	4.2	26
626	Selective monochlorination of methane over solid acid and zeolite catalysts. *Catalysis Letters*, **1992**, 16, 27-38	2.8	26
625	Energies and properties of ions involved in electrophilic halogenations: singlet and triplet states of halogen cations (X+, X3+, and X42+) and hydrohalonium ions (HX2+ and H2X+). *Journal of the American Chemical Society*, **1990**, 112, 3922-3926	16.4	26
624	Synthetic methods and reactions. 91. Ionic fluorination of adamantane, diamantane, and triphenylmethane with nitrosyl tetrafluoroborate/pyridine polyhydrogen fluoride (PPHF). *Journal of Organic Chemistry*, **1983**, 48, 3356-3358	4.2	26

623	Superacid coal chemistry. 2. Model compound studies under conditions of HF:BF3:H2 catalysed mild coal liquefaction. *Fuel*, **1984**, 63, 1427-1431	7.1	26
622	Stable carbocations. Part 239. Preparation and carbon-13 and nitrogen-15 NMR spectroscopic study of cyanocarbenium ions. Substituent effects on the extent of mesomeric nitrenium ion character in cyanodiphenylmethyl cations. The search for related stable .alpha.-cyanocarbenium ions. *Journal of the American Chemical Society*, **1982**, 104, 1628-1631	16.4	26
621	Stable carbocations. CLXXVII. Protonation in superacid solution of selected exo-methylene polyunsaturated alicyclics. Monomethyl 1,3-bishomotropylium, bicyclo[3.2.2]nonatrienyl, and norbornadienyl cations. *Journal of Organic Chemistry*, **1975**, 40, 700-703	4.2	26
620	Stable carbonium ions. LXXXVIII. Hydrogen-1 and carbon-13 nuclear magnetic resonance and laser Raman spectroscopic study of the 2-methyl-, 2-ethyl-, and 2-phenylnorbornyl cations. *Journal of the American Chemical Society*, **1969**, 91, 3958-3960	16.4	26
619	Stable carbocations. CXXX. Carbon-13 nuclear magnetic resonance study of halocarbenium ions. Degree of halogen "back-donation" and relative stability of halocarbeniumions. *Journal of the American Chemical Society*, **1972**, 94, 3551-3554	16.4	26
618	Organometallic chemistry. IV. Stable mercurinium ions. *Journal of the American Chemical Society*, **1973**, 95, 6067-6072	16.4	26
617	Gallium(III) Triflate Catalyzed Direct Reductive Amination of Aldehydes. *Catalysis Letters*, **2010**, 137, 111-117	2.8	25
616	1H, 13C, 15N NMR and Theoretical Study of Protonated Carbamic Acids and Related Compounds1. *Journal of Organic Chemistry*, **1998**, 63, 7993-7998	4.2	25
615	Facile Synthesis of Diarylmethylpyridines/Diarylmethylquinolines through Superelectrophilic Activation of Pyridinecarboxaldehydes/Quinolinecarboxaldehydes with Boron Trifluoride Monohydrate. *Heterocycles*, **2008**, 76, 783	0.8	25
614	Trimethylsilyl Trifluoromethanesulfonate as a Metal-Free, Homogeneous and Strong Lewis Acid Catalyst for Efficient One-Pot Synthesis of α-Aminonitriles and Their Fluorinated Analogues. *Synlett*, **2007**, 2007, 2395-2399	2.2	25
613	Ionic polymerizations. 6. Friedel-Crafts dehydrohalogenative polymerization of acetyl and enolizable-substituted acetyl halides to polyketenes (poly(oxyacetylenes)). *Journal of the American Chemical Society*, **1989**, 111, 9123-9124	16.4	25
612	Stable carbocations. Part 275. The dodecahedryl cation and 1,16-dodecahedryl dication. Proton and carbon-13 NMR spectroscopic studies and theoretical investigations. *Journal of the American Chemical Society*, **1988**, 110, 8599-8605	16.4	25
611	Chemistry in superacids. 7. Superacid-catalyzed isomerization of endo- to exo-trimethylenenorbornane (tetrahydrodicyclopentadiene) and to adamantane. *Journal of Organic Chemistry*, **1986**, 51, 5410-5413	4.2	25
610	Catalysis by Solid Superacids1; 15. Facile Preparation of Methoxymethyl Ethers. *Synthesis*, **1981**, 1981, 471-472	2.9	25
609	Aromatic substitution. XXXII. Aluminum chloride catalyzed arenesulfinylation of benzene and toluene with benzenesulfinyl and substituted benzenesulfinyl chlorides in nitromethane solution. *Journal of Organic Chemistry*, **1974**, 39, 1203-1205	4.2	25
608	Stable carbocations. CLXXXVI. Relation of carbon-13 NMR shifts to the effect of methyl substitution on electronic charge distribution at trigonal carbons. *Journal of the American Chemical Society*, **1975**, 97, 3137-3141	16.4	25
607	Stable carbocations. CLXXXIII. Haloacetylium ions. *Journal of the American Chemical Society*, **1975**, 97, 5481-5488	16.4	25
606	Carbanions. II. Carbon-13 nuclear magnetic resonance study of Meisenheimer complexes and their charge distribution pattern. *Journal of Organic Chemistry*, **1976**, 41, 3448-3451	4.2	25

605	Novel aromatic system. 6. The bis(tetramethylhomocyclopropenyl) dication. *Journal of the American Chemical Society*, **1976**, 98, 4327-4329	16.4	25
604	Novel aromatic systems. 7. Benzo- and dibenzocyclobutadiene dications. *Journal of the American Chemical Society*, **1977**, 99, 6045-6049	16.4	25
603	Synthetic Methods and Reactions; 64.1Preparation of Nitrites from Amides and Aldoximes with Chlorosulfonyl Isocyanate, an Effective and Mild Dehydrating Agent. *Synthesis*, **1979**, 1979, 227-228	2.9	25
602	Electrophilic reactions at single bonds. XVI. Silver antimony hexafluoride catalyzed bromination of alkanes and cycloalkanes with bromine in methylene chloride solution. *Journal of the American Chemical Society*, **1973**, 95, 7680-7686	16.4	25
601	Stable Carbonium Ions. XX.1 Phenyl- and Diphenylfluorocarbonium Ions. *Journal of the American Chemical Society*, **1966**, 88, 362-364	16.4	25
600	Stable carbonium ions. XXXI. p-Anisonium and methylphenonium ion-formation via aryl participation in strong acid solution. *Journal of the American Chemical Society*, **1967**, 89, 5259-5265	16.4	25
599	Synthesis of Dihydropyrimidinones/Thiopyrimidinones: Nafion-Ga, an Efficient Green Lewis Acid Catalyst for the Biginelli Reaction. *Catalysis Letters*, **2014**, 144, 2012-2020	2.8	24
598	Enantioselective synthesis of stereogenic keto esters via formal umpolung. *Organic Letters*, **2012**, 14, 3260-3	6.2	24
597	Halogenation of carbonyl compounds: halotrimethylsilane nitrate salt couple as an efficient halogenating reagent system. *Tetrahedron Letters*, **2011**, 52, 1217-1221	2	24
596	Protioacyl Dications: Hydrogen/Deuterium Exchange, Rearrangements, and Theoretical Studies1. *Journal of the American Chemical Society*, **1996**, 118, 10423-10428	16.4	24
595	Protio-2-propyl Dication (Propane Dication, C3H82+): Hydrogen/Deuterium Exchange and Theoretical Study. Differentiation of Reactive Gitonic (Proximal) from Stable Distonic (Distant) Dications and the Protosolvolytic Activation of Carbocations. *Journal of the American Chemical Society*, **1994**, 116, 3187-3191	16.4	24
594	Carbon-13 NMR spectroscopic study of 2-[1-(trimethylsilyl)vinyl]-2-adamantyl cation, the first .beta.-silyl-substituted carbocation. *Journal of the American Chemical Society*, **1992**, 114, 3076-3078	16.4	24
593	Stable carbocations. Part 274. 2-Seco[1.1.1.1]pagodyl cation. Strong stabilization of a trivalent carbocation by carbon-carbon .sigma.-bond hyperconjugation. *Journal of the American Chemical Society*, **1989**, 111, 746-748	16.4	24
592	Synthetic methods and reactions. 86. Novel synthesis of N-(1-adamantyl)amides from adamantane. *Journal of Organic Chemistry*, **1980**, 45, 3532-3533	4.2	24
591	Synthetic methods and reactions. 93. Preparation of disulfides via iodotrimethylsilane-mediated reductive dimerization of sulfonyl halides. *Journal of Organic Chemistry*, **1980**, 45, 4792-4793	4.2	24
590	Aromatic substitution. 47. Acid-catalyzed transfer nitration of aromatics with N-nitropyrazole, a convenient new nitrating agent. *Journal of Organic Chemistry*, **1981**, 46, 2706-2709	4.2	24
589	Onium ions. XV. Alkyl(aryl)hydridohalonium ions and methylmethylenehalonium ylides. *Journal of the American Chemical Society*, **1975**, 97, 680-681	16.4	24
588	Stable carbonium ions. LXXXVII. Proton magnetic resonance spectrum of the nonclassical norbornyl cation and its identity with corner-protonated nortricyclene, a stable protonated cyclopropane containing a pentacoordinated carbon atom. *Journal of the American Chemical Society*, **1969**, 91, 3956-3958	16.4	24

587	Photoelectron spectroscopy of organic ions. I. Carbon 1s electron binding energies of the tert-butyl, trityl, and tropylium cations. *Journal of the American Chemical Society*, **1970**, 92, 7231-7232	16.4	24
586	Stable carbonium ions. LXXXIII. Protonation of amino acids, simple peptides, and insulin in superacid solutions. *Journal of Organic Chemistry*, **1970**, 35, 317-328	4.2	24
585	Gas-phase methylenation of benzene and substituted benzenes by C2H5O+ ion. Novel electrophilic aromatic substitution. *Journal of the American Chemical Society*, **1973**, 95, 7200-7202	16.4	24
584	Aromatic Substitution. XVII.1 Ferric Chloride and Aluminum Chloride Catalyzed Chlorination of Benzene, Alkylbenzenes, and Halobenzenes. *Journal of the American Chemical Society*, **1964**, 86, 1055-1060	16.4	24
583	Aromatic Substitution. XVIII.1 Friedel-Crafts t-Butylation of Benzene and Methylbenzenes with t-Butyl Bromide and Isobutylene. *Journal of the American Chemical Society*, **1964**, 86, 1060-1064	16.4	24
582	Stable carbonium ions. XL. Protonated aliphatic thiols and sulfides and their cleavage to carbonium ions. *Journal of the American Chemical Society*, **1967**, 89, 2996-3001	16.4	24
581	Novel single step electrochemical route to □MnO2 nanoparticle-coated polyaniline nanofibers: Thermal stability and formic acid oxidation on the resulting nanocomposites. *Journal of Power Sources*, **2008**, 181, 79-84	8.9	23
580	Convenient and Safe Electrochemical Synthesis of (Trifluoromethyl)trimethylsilane1a. *Synlett*, **1994** , 1994, 1057-1058	2.2	23
579	Cationic ring-opening polymerization of tetrahydrofuran with boron, aluminum, and gallium tristriflate. *Journal of Applied Polymer Science*, **1992**, 45, 1355-1360	2.9	23
578	Synthetic methods and reactions. 137. Ionic chlorination (bromination) of alkanes and cycloalkanes with methylene chloride (bromide)/antimony pentafluoride. *Journal of Organic Chemistry*, **1989**, 54, 1463-1465	4.2	23
577	On the existence of pentacoordinated nitrogen. *Inorganic Chemistry*, **1988**, 27, 789-790	5.1	23
576	Preparation and carbon-13 NMR spectroscopic study of fluoroadamantanes and -diamantanes: study of carbon-13-fluorine-19 NMR coupling constants. *Journal of the American Chemical Society*, **1984**, 106, 4492-4500	16.4	23
575	Stable carbocations. 220. Carbon-13 NMR spectroscopic study of potential tris- and bishomocyclopropenyl cations. *Journal of the American Chemical Society*, **1979**, 101, 3935-3939	16.4	23
574	Organometallic chemistry. 10. Carbon-13 nuclear magnetic resonance study of cis-.pi.-pentadienyliron tricarbonyl cations and protonated norbornadieneiron tricarbonyl. *Journal of Organic Chemistry*, **1976**, 41, 2383-2386	4.2	23
573	Aromatic substitution. XXXIX. Varying selectivity in electrophilic formylation of toluene and benzene. *Journal of the American Chemical Society*, **1976**, 98, 296-297	16.4	23
572	Synthetic methods and reactions. 35. Regioselective oxidation of alkyl (cycloalkyl) methyl ethers to carbonyl compounds with nitronium tetrafluoroborate. *Journal of Organic Chemistry*, **1977**, 42, 3097-3098	4.2	23
571	Stable carbocations. 206. The onset of .sigma. delocalization in substituted 2-phenyl-2-norbornyl cations as studied by carbon-13 nuclear magnetic resonance spectroscopy. The application of the "tool of increasing electron demand" to the 2-norbornyl system. *Journal of the American Chemical Society*, **1977**, 99, 5683-5687	16.4	23
570	Protonation of hexamethyl Dewar benzene and hexamethylprismane in fluorosulfuric acid - antimony pentafluoride - sulfur dioxide. *Journal of the American Chemical Society*, **1968**, 90, 7147-7149	16.4	23

569	Stable carbocations. CXLIV. Structure of benzoyl cations based on their carbon-13 nuclear magnetic resonance spectroscopic study. Importance of delocalized, ketene-like carbenium ion resonance forms. *Journal of the American Chemical Society*, **1973**, 95, 3706-3709	16.4	23
568	Friedel-Crafts Isomerization. II.1 Aluminum Chloride-Catalyzed Isomerization of Chlorofluorobenzenes and Dichlorobenzenes. The Effect of Aluminum Chloride on Difluorobenzenes. *Journal of Organic Chemistry*, **1962**, 27, 3449-3455	4.2	23
567	Stable Carbonium Ions. XII.1 Direct Observation of the Allyl and 2-Methylallyl Cations. *Journal of the American Chemical Society*, **1964**, 86, 5682-5683	16.4	23
566	A domino approach (hydrolysis/dehydrohalogenation/Heck coupling) for the synthesis of styrene sulfonate salts. *Journal of the American Chemical Society*, **2011**, 133, 2140-3	16.4	22
565	Nucleophilic (phenylsulfinyl)difluoromethylation of carbonyl compounds with difluoromethyl phenyl sulfoxide. *Journal of Fluorine Chemistry*, **2007**, 128, 1241-1247	2.1	22
564	New solid-phase bound electrophilic difluoromethylating reagent. *ACS Combinatorial Science*, **2007**, 9, 920-3		22
563	A general method of halogenation for synthesis of α-halodifluoromethyl ketones and [18F]-labeled trifluoromethyl ketones. *Journal of Fluorine Chemistry*, **2003**, 121, 239-243	2.1	22
562	Preparation and NMR study of silylated carboxonium ions. *Journal of Organic Chemistry*, **2002**, 67, 1297-301	4.2	22
561	Preparation of 3-trifluoromethyl-2-cycloalkenones by the oxidative rearrangement of trifluoromethylated tertiary allylic alcohols with pyridinium chlorochromate. *Journal of Fluorine Chemistry*, **2000**, 101, 199-202	2.1	22
560	Onium ions. 38. 7-Bromoniabicyclo[2.2.1]heptane: a stable 1,4-bridged bicyclic bromonium ion. *Journal of the American Chemical Society*, **1989**, 111, 8726-8727	16.4	22
559	Synthetic methods and reactions. 113. Reactions of nitro- and nitrosoalkanes with iodotrimethylsilane. *Journal of Organic Chemistry*, **1983**, 48, 2766-2767	4.2	22
558	Study of substituent effects on one-bond carbon-13-carbon-13 NMR coupling constants in adamantane derivatives.. *Journal of Organic Chemistry*, **1983**, 48, 3373-3378	4.2	22
557	Synthetic Methods and Reactions; 1141. General Procedure for the Conversion of Acetals and Ketone Acetals into 2-Alkoxyalkanenitriles using Cyanotritnethylsilane. *Synthesis*, **1983**, 1983, 498-500	2.9	22
556	Ylide chemistry. 2. Methylenedialkyloxonium ylides. *Journal of Organic Chemistry*, **1984**, 49, 2112-2116	4.2	22
555	Synthetic methods and reactions. 125. Preparation of secondary and tertiary cyclic and polycyclic hydrocarbon azides. *Journal of Organic Chemistry*, **1986**, 51, 3215-3217	4.2	22
554	Friedel-Crafts chemistry. 10. Observation of the methyl fluoride-antimony pentafluoride complex in sulfuryl fluoride solution, an exceedingly low nucleophilicity solvent. Reinvestigation of the complex in sulfur dioxide and sulfuryl chloride fluoride solution showing O-methylation. *Journal of the American Chemical Society*, **1976**, 98, 2661-2663	16.4	22
553	Stable carbocations. 200. 1-Methylcyclopropylcarbinyl cations. *Journal of the American Chemical Society*, **1976**, 98, 7470-7475	16.4	22
552	Stable carbocations. 194. Patterns of carbon-13 chemical shift response to substituent effects in arylcarbenium ions. The phenyl, phenylethynyl, and naphthyl systems. *Journal of the American Chemical Society*, **1976**, 98, 2512-2518	16.4	22

551	Stable carbonium ions. LIX. Protonated alkyl carbamates and their cleavage to protonated carbamic acids and alkylcarbonium ions. *Journal of the American Chemical Society*, **1968**, 90, 401-4	16.4	22
550	Stable carbonium ions. LXVI. Protonation of diketones in FSO3H-SbF5-SO2 solution. *Journal of the American Chemical Society*, **1968**, 90, 4672-4675	16.4	22
549	Stable carbonium ions. LXXIII. 3-Aryl-2,3-dimethyl-2-butyl cations and factors controlling phenonium ion-phenethyl cation-benzyl cation equilibria. *Journal of the American Chemical Society*, **1969**, 91, 1458-1469	16.4	22
548	Friedel-Crafts chemistry. VI. Alkylation of heteroorganic compounds with dialkylhalonium fluoroantimonates. A new general preparation of onium ion salts. *Journal of the American Chemical Society*, **1970**, 92, 2562-2564	16.4	22
547	Stable carbocations. CXXVII. Cyclohexenyl and cyclopentenyl cations and their methylated derivatives. *Journal of the American Chemical Society*, **1972**, 94, 3544-3551	16.4	22
546	Organometallic chemistry. *Journal of Organometallic Chemistry*, **1973**, 60, 311-321	2.3	22
545	Stable Carbonium Ions. XXVII.1a Cyclo- and Polycycloalkyloxocarbonium Ions. *Journal of the American Chemical Society*, **1966**, 88, 4442-4447	16.4	22
544	Stable Carbonium Ions. XXXVII.1 Alkyl- and Arylalkylfluorocarbonium Ions. The Dimethyl- and Phenylmethylfluorocarbonium Ion. *Journal of the American Chemical Society*, **1967**, 89, 1268-1269	16.4	22
543	Preparation, NMR, Raman, and DFT/IGLO/GIAO-MP2 Study of Mono- and Diprotonated Thiourea and Theoretical Investigation of Triprotonated Thiourea1. *Journal of the American Chemical Society*, **1997**, 119, 4345-4352	16.4	21
542	Electrophilic Fluorination of Methane with "F+" Equivalent N2F+ and NF4+ Salts. *Journal of the American Chemical Society*, **1994**, 116, 5671-5673	16.4	21
541	Azidobromination of Alkenes with Azidotrimethylsilane/N-Bromosuccinimide1. *Synlett*, **1990**, 1990, 487-489	2.2	21
540	Stable carbocations. 280. Halocarbonyl cations. *Journal of the American Chemical Society*, **1991**, 113, 3203-3205	16.4	21
539	The anti-tricyclo[4.2.1.12,5]deca-3,7-diene-9,10-diyl dication: a sandwiched bishomoaromatic system. *Journal of the American Chemical Society*, **1987**, 109, 911-912	16.4	21
538	Stable carbocations. CLXXVIII. Carbon-13 nuclear magnetic resonance spectroscopic study of protonated and diprotonated acyclic and cyclic diketones in fluorosulfuric acid-antimony pentafluoride-sulfur dioxide solution. *Journal of Organic Chemistry*, **1975**, 40, 2102-2108	4.2	21
537	Aromatic substitution. XXXVIII. Chloromethylation of benzene and alkylbenzenes with bis(chloromethyl)ether, 1,4-bis(chloromethoxy)butane, 1-chloro-4-chloromethoxybutane, and formaldehyde derivatives. *Journal of Organic Chemistry*, **1976**, 41, 1627-1631	4.2	21
536	Organometallic compounds. 14. Friedel-Crafts type preparation of triphenylphosphine. *Journal of Organic Chemistry*, **1977**, 42, 2190-2190	4.2	21
535	Supers□rekatalysierte Oxygenierungen von Alkanen. *Angewandte Chemie*, **1978**, 90, 962-984	3.6	21
534	Stable carbonium ions. LXXII. Raman and N.M.R. spectroscopic study of the nortricyclonium ion [protonated tricyclo[2.2.1.02,6]heptane] and its relation to the 2-norbornyl [bicyclo[2.2.1]heptyl]cation. The nature of the stable long-lived norbornyl cation in strong acid solutions. *Journal of the American Chemical Society*, **1968**, 90, 3882-3884	16.4	21

533	Organometallic chemistry. II. Direct mercuration of olefins to stable mercurinium ions. *Journal of the American Chemical Society*, **1971**, 93, 2320-2321	16.4	21
532	Organometallic chemistry. III. Attempted preparation of trivalent silicocations (silicenium ions). Exchange reaction of methylfluorosilanes with antimony pentafluoride. *Journal of the American Chemical Society*, **1971**, 93, 4942-4943	16.4	21
531	Stable carbonium ions. CX. 1,2-Dimethylnorbornyl cation. *Journal of the American Chemical Society*, **1971**, 93, 1442-1446	16.4	21
530	Organic fluorine compounds. XXXIII. Electrophilic additions to fluoro olefins in superacids. *Journal of Organic Chemistry*, **1972**, 37, 1028-1034	4.2	21
529	Chemical Aspects of Astrophysically Observed Extraterrestrial Methanol, Hydrocarbon Derivatives, and Ions. *Journal of the American Chemical Society*, **2016**, 138, 1717-22	16.4	20
528	Study of the fluoro- and chlorodimethylbutyl cations. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 8427-30	11.5	20
527	Protonated Borane□Lewis Base Complexes BH4X+ (X = NH3, PH3, H2O, H2S, CO)1. *Inorganic Chemistry*, **1999**, 38, 44-47	5.1	20
526	Substituent effects on carbon-13 NMR chemical shifts and one-bond carbon-13-carbon-13 coupling constants in 1- and 4-substituted diamantanes. *Journal of Organic Chemistry*, **1985**, 50, 1161-1164	4.2	20
525	Synthetic Methods and Reactions; 801. Deoxygenation of Sulfoxides with Cyanuric Chloride and Fluoride. *Synthesis*, **1980**, 1980, 221-221	2.9	20
524	Oxyfunctionalization of hydrocarbons. 7. Oxygenation of 2,2-dimethylpropane and 2,2,3,3-tetramethylbutane with ozone or hydrogen peroxide in superacid media. *Journal of the American Chemical Society*, **1977**, 99, 3113-3119	16.4	20
523	Stable carbocations. 201. Comparison of carbon-13 nuclear magnetic resonance shifts and relative charge delocalization in para-substituted phenyl, alkyl, and cyclopropylcarbinyl cations. *Journal of Organic Chemistry*, **1977**, 42, 2666-2671	4.2	20
522	Stable carbocations. 203. Proton and carbon-13 nuclear magnetic resonance spectroscopic study of 6,6-disubstituted fulvenium ions. *Journal of Organic Chemistry*, **1977**, 42, 661-666	4.2	20
521	Stable carbonium ions. CV. Protonation of sulfoxides and sulfones in fluorosulfuric acid-antimony pentafluoride-sulfuryl chloride fluoride solution. *Journal of Organic Chemistry*, **1970**, 35, 3904-3908	4.2	20
520	Stable carbonium ions. CXI. Styryl(1-phenylethyl) cation and substituted styryl cations. *Journal of the American Chemical Society*, **1971**, 93, 464-466	16.4	20
519	Superelectrophilic Activation of Crotonic/Methacrylic Acids: Direct Access to Thiochroman-4-ones from Benzenethiols by Microwave-Assisted One-Pot Alkylation/Cyclic Acylation. *Organic Letters*, **2015**, 17, 6170-3	6.2	19
518	Nafion-Ru: A Sustainable Catalyst for Selective Hydration of Nitriles to Amides. *Asian Journal of Organic Chemistry*, **2012**, 1, 146-149	3	19
517	Ab initio/DFT/GIAO-CCSD(T) calculational study of the t-butyl cation: comparison of experimental data with structures, energetics, IR vibrational frequencies, and 13C NMR chemical shifts indicating preferred C(s) conformation. *Journal of Physical Chemistry A*, **2009**, 113, 6795-9	2.8	19
516	Facile Preparation of (Trifluoromethyl)tributyltin and Transtrifluoromethylation of Disilyl Sulfides to the Corresponding Trifluoromethylsilanes1. *Synlett*, **1996**, 1996, 151-153	2.2	19

515	Preparation, 13C NMR/DFT/IGLO Study of Benzylic Mono- and Dications, and Attempted Preparation of a Trication1. *Journal of the American Chemical Society*, **1997**, 119, 12923-12928	16.4	19
514	Protonated and methylated dimethyl sulfoxide cations and dications. DFT/GIAO-MP2 NMR studies and comparison with experimental data. *Journal of Organic Chemistry*, **2000**, 65, 8786-9	4.2	19
513	Search for Long-Lived 1,3-Carbodications and Preparation of the Persistent 1,1,3,3-Tetracyclopropyl-1,3-propanediyl Dication1. *Journal of the American Chemical Society*, **1999**, 121, 9994-9998	16.4	19
512	Synthetic methods and reactions. 188. Triflic acid catalyzed phenylamination of aromatics with phenyl azide. *Journal of Organic Chemistry*, **1993**, 58, 6900-6901	4.2	19
511	Onium ylide chemistry. 5. Formaldehyde O-methylide, [CH2:O+-CH2-]: the parent carbonyl ylide. *Journal of the American Chemical Society*, **1986**, 108, 1341-1342	16.4	19
510	Onium ions. 34. The methoxydiazonium ion: preparation, proton, carbon-13, and nitrogen-15 NMR and IR structural studies, theoretical calculations, and reaction with aromatics. Attempted preparation and the intermediacy of the hydroxydiazonium ion. *Journal of the American Chemical Society*, **1986**, 108, 2054-2057	16.4	19
509	Trichloro(methyl)silane/Sodium Iodide, A New Regioselective Reagent for the Cleavage of Ethers. *Angewandte Chemie International Edition in English*, **1981**, 20, 690-691		19
508	Stable carbocations. CLXXXI. Dihydrodibenzotropylium and dibenzotropylium ions. Neighboring methyl, cyclopropyl, and phenyl substituent effects in geometrically constrained systems. *Journal of Organic Chemistry*, **1975**, 40, 2108-2116	4.2	19
507	Stable carbocations. 185. Carbon-fluorine spin-spin coupling in carbocations. *Journal of the American Chemical Society*, **1976**, 98, 2493-2500	16.4	19
506	Stable carbocations. 196. 3-Tricyclo[3.2.1.02,7]octyl (3-homonortricyclyl) cations. Steric criteria in degenerate cyclopropylcarbinyl rearrangements and the classical vs. nonclassical nature of cyclopropylcarbinyl cations. *Journal of the American Chemical Society*, **1976**, 98, 7026-7033	16.4	19
505	Electrophilic reaction at single bonds. XIII. Chlorination and chlorolysis of alkanes in antimony pentafluoride-chlorine-fluorosulfuryl chloride solution at low temperature. *Journal of the American Chemical Society*, **1972**, 94, 6864-6865	16.4	19
504	Electrophilic reactions at single bonds. XI. Hydrogen-deuterium exchange of molecular hydrogen and deuterium in superacids involving isomeric triatomic (hydrogen, deuterium) (+) ions. *Journal of the American Chemical Society*, **1973**, 95, 4957-4960	16.4	19
503	Protonation of cis-bicyclo[6.1.0]nona-2,4,6-trienes in superacidic media. Carbon-13 nuclear magnetic resonance study of the mono- and 1,3-bishomotrpylium ions under long life conditions. *Journal of the American Chemical Society*, **1973**, 95, 3386-3387	16.4	19
502	Infrared Spectra of Complexes of NO2F with BF3, PF5 and SbF5. *Journal of Chemical Physics*, **1960**, 33, 1669-1671	3.9	19
501	Friedel□rafts Isomerization. X.1a Aluminum Chloride Catalyzed Isomerization of the Di-t-butylbenzenes. *Journal of Organic Chemistry*, **1964**, 29, 2687-2689	4.2	19
500	Aromatic Substitution. XXI.1a Friedel-Crafts Acetylation of Benzene, Alkylbenzenes, and Halobenzenes with Acetyl Halides and Acetic Anhydride. *Journal of the American Chemical Society*, **1964**, 86, 2198-2202	16.4	19
499	Aromatic Substitution. XX. Intact and Dealkylating Nitration of Propylated and Butylated Alkylbenzenes with Nitronium Tetronium Tetrafluoroborate. *Journal of the American Chemical Society*, **1964**, 86, 1067-1070	16.4	19
498	Chemical Formation of Methanol and Hydrocarbon ("Organic") Derivatives from CO and H-Carbon Sources for Subsequent Biological Cell Evolution and Life's Origin. *Journal of the American Chemical Society*, **2017**, 139, 566-570	16.4	18

497	Microwave-Assisted Nafion-H Catalyzed Friedel□Crafts Type Reaction of Aromatic Aldehydes with Arenes: Synthesis of Triarylmethanes. *Catalysis Letters*, **2010**, 138, 155-159	2.8	18
496	Structural studies of nonclassical cyclobutylmethyl cations by the ab initio method. *Journal of Organic Chemistry*, **2007**, 72, 3076-80	4.2	18
495	Comparison and Search for CH53+ and CH64+ and Their Isoelectronic Boron Analogues BH52+ and BH63+ 1. *Journal of the American Chemical Society*, **1996**, 118, 12922-12924	16.4	18
494	Aromatic Nitration with Nitric Acid/Trifluoromethanesulfonic Anhydride. *Synthesis*, **1992**, 1992, 1087-1089	2.9	18
493	Synthetic methods and reactions. 147. Aluminum chloride-catalyzed dichlorophosphorylation of saturated hydrocarbons with phosphorus trichloride in methylene chloride solution. *Journal of Organic Chemistry*, **1990**, 55, 1224-1227	4.2	18
492	Chemical properties of dodecahedrane. The dodecahedryl cation and 1,16-dodecahedryl dication. Regioselective difunctionalization of the sphere. *Journal of the American Chemical Society*, **1988**, 110, 1304-1305	16.4	18
491	Stable carbocations. 230. 2,5-Diphenyl-2,5-norbornyl dications. *Journal of the American Chemical Society*, **1980**, 102, 6127-6130	16.4	18
490	Stable carbocations. 244. Use of 2-thienyl, 2-furyl, 5-ethyl-2-furyl, and protonated 4-acetylphenyl substituents in carbon-13 NMR chemical shift correlations. *Journal of Organic Chemistry*, **1982**, 47, 3903-3909	4.2	18
489	Onium ions. XVI. Hydrogen-deuterium exchange accompanying the cleavage of ammonium (tetradeuterioammonium) trifluoroacetate by lithium deuteride (hydride) indicating SN2 like nucleophilic displacement at quaternary nitrogen through pentacoordinated ammonium hydride. *Journal of the American Chemical Society*, **1975**, 97, 3559-3561	16.4	18
488	Onium ions. XIII. Carbon-13 nuclear magnetic resonance spectroscopic study of benzenediazonium ions indicating ambident character. *Journal of the American Chemical Society*, **1975**, 97, 1546-1548	16.4	18
487	Oxyfunctionalization of hydrocarbons. 6. Electrophilic oxygenation of aliphatic alcohols, ketones, and aldehydes with ozone in superacids. Preparation of bifunctional derivatives. *Journal of the American Chemical Society*, **1976**, 98, 7341-7345	16.4	18
486	Stable carbocations. 214. Effect of solvents of decreasing nucleophilicity (sulfur dioxide, sulfuryl chloride fluoride, sulfuryl fluoride, and methylene fluoride) on the complex formation and ionization of alkyl fluorides (chlorides) with antimony and arsenic pentafluoride. *Journal of the American Chemical Society*, **1978**, 100, 5163-5169	16.4	18
485	The formation and role of carbocations in electrolytic fluorination using hydrogen fluoride electrolytes in a nafion membrane-divided teflon cell. *Electrochimica Acta*, **1979**, 24, 489-494	6.7	18
484	Stable carbocations. CLV. Ethylenechloronium and methylchlorocarbenium ions. *Journal of the American Chemical Society*, **1973**, 95, 3387-3389	16.4	18
483	Stable carbocations. CXIIX. Fourier transform carbon-13 nuclear magnetic resonance spectroscopic study of protonated mono and dicarboxylic acid esters in fluorosulfuric acid-antimony pentafluoride solution. *Journal of Organic Chemistry*, **1973**, 38, 1986-1992	4.2	18
482	Aromatic Substitution. XI.1 The AlCl3CH3NO2-Catalyzed Benzylation of Halobenzenes with Benzyl Chloride in Nitromethane Solution. *Journal of the American Chemical Society*, **1962**, 84, 1695-1697	16.4	18
481	Direct synthesis of diverse ‡fluoroethylamines by a multicomponent protocol. *Chemistry - A European Journal*, **2013**, 19, 3579-83	4.8	17
480	Efficient synthesis of trifluoromethylated dihydrochalcones, aryl vinyl ketones and indanones by superelectrophilic activation of 4,4,4-trifluoro/3-(trifluoromethyl)crotonic acids. *Journal of Fluorine Chemistry*, **2012**, 143, 292-302	2.1	17

479	Superacidic activation of quinoline and isoquinoline; their reactions with cyclohexane and benzene(1). *Journal of Organic Chemistry*, **2007**, 72, 7394-7	4.2	17
478	Stereoselective synthesis of fluorobis(phenylsulfonyl)methyl-substituted alkenes using free radical fluoroalkylation. *Journal of Fluorine Chemistry*, **2008**, 129, 1036-1040	2.1	17
477	The Search for Persistent Cyclobutylmethyl Cations in Superacidic Media and Observation of the Cyclobutyldicyclopropylmethyl Cation1a. *Journal of the American Chemical Society*, **1998**, 120, 13362-13365	16.4	17
476	Complexes of CO2, COS, and CS2 with the Super Lewis Acid BH4+ Contrasted with Extremely Weak Complexations with BH3: Theoretical Calculations and Experimental Relevance1. *Journal of the American Chemical Society*, **1999**, 121, 7401-7404	16.4	17
475	Ab Initio/IGLO/GIAO-MP2 Studies of Fluorocarbocations: Experimental and Theoretical Investigation of the Cleavage Reaction of Trifluoroacetic Acid in Superacids1a. *Journal of Organic Chemistry*, **1996**, 61, 9253-9258	4.2	17
474	Electrophilic reactions of single bonds. 24. Trifluoromethanesulfonic acid catalyzed electrophilic sulfuration of alkanes (cycloalkanes) with elemental sulfur to dialkyl (dicycloalkyl) sulfides. *Journal of the American Chemical Society*, **1990**, 112, 3697-3698	16.4	17
473	Ylide chemistry. 3. Evidence for competing oxonium ylide formation with carbon-hydrogen insertion in Meerwein's reaction of methylene and methylene-d2 with dialkyl ethers. *Journal of Organic Chemistry*, **1984**, 49, 2116-2120	4.2	17
472	Stable carbocations. 219. Patterns of carbon-13 chemical shift response to substituent effects in arylcarbenium ions. The 2-furyl, 2-thienyl, 2-benzofuryl, and 2-benzothienyl systems. *Journal of the American Chemical Society*, **1979**, 101, 5309-5316	16.4	17
471	Crowded hydrocarbons. 2. Conformational study of 9,9'-bifluorenyls by dynamic nuclear magnetic resonance spectroscopy. *Journal of Organic Chemistry*, **1981**, 46, 1761-1764	4.2	17
470	Synthetic Methods and Reactions; 981. Improved Solid Super Acid (Nafion-H) Catalyzed Rupe Rearrangement of □Ethynyl Alcohols to □Unsaturated Carbonyl Compounds. *Synthesis*, **1981**, 1981, 473-474	2.9	17
469	Geometric and electronic structure of ethane dication. *Journal of the American Chemical Society*, **1982**, 104, 330-331	16.4	17
468	Onium ions. IX. Intermolecular exchange reactions of dialkylhalonium fluoroantimonates with alkyl halides and alkylcarbenium ions. *Journal of the American Chemical Society*, **1974**, 96, 3560-3564	16.4	17
467	Onium ions. XII. Heterolytic dediazoniation of benzenediazonium ions in halide ions in pyridinium polyhydrogen fluoride solution giving isomeric halobenzenes reflecting ambident reactivity of benzenediazonium ions and intermediate phenyl cation as well as subsequent aryne formation. *Journal of the American Chemical Society*, **1975**, 97, 208-210	16.4	17
466	Stable carbocations. 193. The structure of the 2-bicyclo[2.1.1]hexyl cations based on their proton and carbon-13 nuclear magnetic resonance spectroscopic study. *Journal of the American Chemical Society*, **1976**, 98, 2508-2511	16.4	17
465	Stable carbocations. 184. 2,4-Dehydro-5-homoadamantyl cations. *Journal of the American Chemical Society*, **1976**, 98, 576-580	16.4	17
464	Synthetic methods and reactions. 31. Oxidation of olefins with peroxouranium oxide (UO4.4H2O). *Journal of Organic Chemistry*, **1978**, 43, 2830-2832	4.2	17
463	Onium ions. 18. Static protonated and exchanging diprotonated ambivalent heteroorganic systems: hydroxylamines, acetone oxime, and dimethyl sulfoxide. *Journal of Organic Chemistry*, **1978**, 43, 2268-2272	4.2	17
462	Preparative carbocation chemistry. 13. Preparation of carbocations from hydrocarbons via hydrogen abstraction with nitrosonium hexafluorophosphate and sodium nitrite-trifluoromethanesulfonic acid. *Journal of Organic Chemistry*, **1978**, 43, 173-175	4.2	17

461	Synthetic Methods and Reactions; 76.1Deoxygenation of Sulfoxides with Sodium Iodide/Iodine/Trimethyl(ethyl)amine/Sulfur Dioxide or Sodium Iodide/Pyridine/Sulfur Trioxide Complexes. *Synthesis*, **1979**, 1979, 984-985	2.9	17
460	Synthetic Methods and Reactions; 571. Reduction of □-Haloketones with Sodium Iodide/Trimethyl (ethyl)-amine/Sulfur Dioxide or Pyridine/Sulfur Trioxide Complexes. *Synthesis*, **1979**, 1979, 59-61	2.9	17
459	Radical cations. I. Direct electron paramagnetic resonance observation of the chlorine molecule cation Cl2+, a stable diatomic radical cation, in SbF5, FSO3H-SbF5, and HF-SbF5 solutions of ClF. *Journal of the American Chemical Society*, **1968**, 90, 5033-5034	16.4	17
458	Friedel-Crafts chemistry. III. Methyl fluoride-antimony pentafluoride, a powerful new methylating agent. Methylation reactions and the polycondensation of methyl fluoride. *Journal of the American Chemical Society*, **1969**, 91, 2112-2113	16.4	17
457	Stable carbonium ions. CIV. Protonated alicyclic ethers and sulfides. *Journal of Organic Chemistry*, **1971**, 36, 1121-1126	4.2	17
456	Nuclear magnetic resonance spectroscopic study of the behavior of fluoro- and oxyphosphorus compounds in fluorosulfuric acid and fluorosulfuric acid-antimony pentafluoride solution. *Inorganic Chemistry*, **1972**, 11, 845-848	5.1	17
455	Stable carbocations. CXLII. 1-Acenaphthenium ions. *Journal of the American Chemical Society*, **1973**, 95, 3698-3705	16.4	17
454	Stable Carbonium Ions. XIX.1 Benzyl Cations. *Journal of the American Chemical Society*, **1966**, 88, 361-362	16.4	17
453	Stable Carbonium Ions. XXXVI.1a Protonated Aliphatic Ethers and Their Cleavage to Carbonium Ions. *Journal of the American Chemical Society*, **1967**, 89, 1725-1728	16.4	17
452	Stable carbonium ions. XLIX. Protonated dicarboxylic acids and anhydrides and their cleavage to oxocarbonium ions. *Journal of the American Chemical Society*, **1967**, 89, 4752-4756	16.4	17
451	Convenient Syntheses of Aryl and Perfluoroaryl Trichlorogermanes and Germatranes via an Organotin Route. *Organometallics*, **2004**, 23, 3184-3188	3.8	16
450	Aromatic substitution. 63. Friedel-Crafts alkylation of aromatics with 1-chloronorbornane, 3-halonoradamantane, and fluorocubane via their reactive sp3-hybridized bridgehead carbocations. *Journal of the American Chemical Society*, **1993**, 115, 10728-10732	16.4	16
449	Stable carbocations. 281. Evidence for the intermediacy of pentaphenylethyl and heptaphenylpropyl cations in the reaction of triphenylmethyl cation with diphenyldiazomethane or diphenylketene. *Journal of the American Chemical Society*, **1992**, 114, 8042-8045	16.4	16
448	Convenient Transformation of Carbonyl Compounds via Their Hydrazones intogem-Difluoro Compounds withN-Bromosuccinimide/Pyridinium Poly(hydrogen fluoride) or Poly-4-vinyl-pyridinium Poly(hydrogen fluoride)1. *Synlett*, **1990**, 1990, 594-596	2.2	16
447	Aromatic substitution. 57. Nitration of phenylboron dichloride with nitronium tetrafluoroborate. Attempted nitration of iodobenzene dichloride and phenylphosphorus dichloride. *Journal of Organic Chemistry*, **1990**, 55, 46-48	4.2	16
446	Synthetic methods and reactions. 146. Olefins from crowded carbonyl compounds with tert-butyllithium (tert-butylmagnesium chloride)/thionyl chloride. Study of carbocationic reaction intermediates and rearrangement-cleavage under stable ion conditions using carbon-13 NMR	4.2	16
445	Stable carbocations. 252. The 2,3-dimethyl-3-fluoro-2-butyl cation revisited: exclusive methyl exchange ruling out fluorine shift through bridged fluoronium ion. *Journal of Organic Chemistry*, **1983**, 48, 5116-5117	4.2	16
444	Stable carbocations. 255. .alpha.-Ethylenehaloarenium ions. *Journal of Organic Chemistry*, **1984**, 49, 2922-2925	4.2	16

443	Carbanions. 5. Preparation and proton and carbon-13 NMR spectroscopic structural study of the 4-hydridopyridyl anion and 4,4′-bis(hydridopyridyl) dianion. Absence of homoazacyclopentadienyl ion character. *Journal of Organic Chemistry*, **1981**, 46, 715-718	4.2	16
442	Synthetic Methods and Reactions; 971. Sulfuryl Chloride Fluoride-Mediated Esterification of Carboxylic Acids with Alcohols. *Synthesis*, **1981**, 1981, 790-791	2.9	16
441	Synthetic Methods and Reactions; 1071. Preparation of β-Haloalkylcarboxylic Acids and Esters or Related Compounds from Lactones and Boron Trihalides. *Synthesis*, **1982**, 1982, 963-965	2.9	16
440	Stable carbocations. CLXXIV. Charge distribution differences in benzenium and nitrobenzenium ions based on carbon-13 nuclear magnetic resonance studies and their relevance to the isomer distribution in electrophilic aromatic substitutions. *Journal of the American Chemical Society*, **1974**, 96, 6906-6911	16.4	16
439	Aromatic substitution. XXXVI. Aluminum trichloride and antimony pentafluoride catalyzed Friedel-Crafts alkylation of benzene and toluene with esters and haloesters. *Journal of the American Chemical Society*, **1974**, 96, 2214-2220	16.4	16
438	Stable carbocations. CLXXI. 1-Fluoro(chloro)-1-cycloalkyl cations. Further data on the effect of halogen back-donation and the stability of halocarbenium ions. *Journal of Organic Chemistry*, **1974**, 39, 2394-2398	4.2	16
437	Stable carbocations. CLXIII. Complexing ionization, and fragmentative alkylcarbenium ion formation from alkyl haloformates, thiolhaloformates, and halosulfites with antimony pentafluoride. *Journal of the American Chemical Society*, **1974**, 96, 2221-2228	16.4	16
436	Novel aromatic systems. 5. The 1,2-dimethylbenzocyclobutadiene dication, an 8c-6.pi. Hueckeloid system. *Journal of the American Chemical Society*, **1976**, 98, 3033-3034	16.4	16
435	Stable carbocations. 202. Ring closure reactions of allyl to cyclopropylcarbinyl cations. *Journal of the American Chemical Society*, **1977**, 99, 510-513	16.4	16
434	Stable carbocations. 205. The bridgehead bicyclo[3.3.3]undecyl (manxyl) mono- and dications. *Journal of the American Chemical Society*, **1977**, 99, 966-968	16.4	16
433	Stable carbocations. 213. The search for stable nitrenium ions: protonation of benzoquinone monooximes in superacids and the study of their structure by proton and carbon-13 nuclear magnetic resonance spectroscopy. *Journal of Organic Chemistry*, **1978**, 43, 1743-1750	4.2	16
432	A new dibenzohomotropylium cation. *Journal of the American Chemical Society*, **1968**, 90, 6235-6236	16.4	16
431	Stable carbocations. CXLVIII. 3-Nortricyclyl cations. Continuity of the mode of charge delocalization in carbocations with or without significant bridging. *Journal of the American Chemical Society*, **1973**, 95, 3792-3794	16.4	16
430	Stable Carbonium Ions. VII.1 Nuclear Magnetic Resonance Investigation of the Triphenyl-C13-carbonium Ion. *Journal of the American Chemical Society*, **1964**, 86, 1265-1265	16.4	16
429	Organic Fluorine Compounds. XXIX.1 Thiol Fluoroformates. *Journal of Organic Chemistry*, **1965**, 30, 1317-1317	4.2	16
428	Stable Carbonium Ions. XXV.1a Alkylene- (Arylene-) dioxodicarbonium Ions (Acyl Dications). *Journal of the American Chemical Society*, **1966**, 88, 3313-3317	16.4	16
427	Relevance and Significance of Extraterrestrial Abiological Hydrocarbon Chemistry. *Journal of the American Chemical Society*, **2016**, 138, 6905-11	16.4	16
426	Difference and Significance of Regenerative Versus Renewable Carbon Fuels and Products. *Topics in Catalysis*, **2018**, 61, 522-529	2.3	15

425	Stereoselective synthesis of fluoroalkenoates and fluorinated isoxazolidinones: N-substituents governing the dual reactivity of nitrones. *Chemistry - A European Journal*, **2014**, 20, 831-8	4.8	15
424	The trifluoromethyl group as a conformational stabilizer and probe: conformational analysis of cinchona alkaloid scaffolds. *Journal of the American Chemical Society*, **2014**, 136, 10418-31	16.4	15
423	Facile synthesis of monofluoromethyl alcohols: Nucleophilic monofluoromethylation of aldehydes using TMSCF(SO2Ph)2. *Journal of Fluorine Chemistry*, **2012**, 133, 27-32	2.1	15
422	Nafion-Fe: A New Efficient Green Lewis Acid Catalyst for the Ketonic Strecker Reaction. *Catalysis Letters*, **2013**, 143, 303-312	2.8	15
421	Synthesis of perimidine and 1,5-benzodiazepine derivatives using tamed Brønsted acid, BF3-H2O. *Journal of Fluorine Chemistry*, **2013**, 152, 99-105	2.1	15
420	Ipso-amidation of arylboronic acids: Xenon difluoride-nitriles as efficient reagent systems. *Journal of Fluorine Chemistry*, **2009**, 130, 806-809	2.1	15
419	One Flask Preparation of Trifluoromethylated Amides from Ketones and Trifluoromethyltrimethylsilane via Ritter Reaction with Nitriles. *Synlett*, **1997**, 1997, 1193-1195	2.2	15
418	Improved Preparation of N-Trimethylsilylpyridinium Triflate, N-Triphenylsilylpyridinium Triflate, N-Triisopropylsilylpyridinium Triflate and Their Use in Silylating Alcohols to Silyl Ethers. *Synthesis*, **1997**, 1997, 744-746	2.9	15
417	Nafion® -H Catalyzed Synthesis of Fluorinated Benzimidazolines, Benzothiazolines, Benzoxazolines and Dihydrobenzoxazinones. *Synthesis*, **2008**, 2008, 897-902	2.9	15
416	BF3-H2O catalyzed Fries rearrangement of phenolic esters. *Catalysis Letters*, **2007**, 114, 24-29	2.8	15
415	Synthesis of 1,1-difluoroethylsilanes and their application for the introduction of the 1,1-difluoroethyl group. *Journal of Fluorine Chemistry*, **2007**, 128, 1098-1103	2.1	15
414	Acid-catalyzed isobutane-isobutylene alkylation in liquid carbon dioxide solution. *Catalysis Letters*, **1999**, 61, 105-110	2.8	15
413	(Hexaphenyltrimethylene)methane Dication and Related Carbocations. *Journal of the American Chemical Society*, **1995**, 117, 11205-11210	16.4	15
412	Chemistry in Superacids. Part 18. Ester Cleavage in Superacid Media Involving Diprotonated Gitonic Carboxonium Dications. *Journal of the American Chemical Society*, **1995**, 117, 6421-6427	16.4	15
411	Two Types of New Polymeric Silver(I) Complexes from 1,4-Thioxane and Silver Triflate. *Inorganic Chemistry*, **1996**, 35, 4076-4077	5.1	15
410	Preparation, NMR, and abInitio/IGLO Study of Trifluoromethyl-Substituted Carboxonium Ions1. *Journal of Organic Chemistry*, **1996**, 61, 1934-1939	4.2	15
409	Stable carbocations. 287. Carbon-13 NMR and ab initio/IGLO study of protonated oxocarbons, poly-O-protonated squaric, croconic, and rhodizonic acids, their aromatic nature, and preparation and study of tetrahydroxy- and diaminodihydroxyethene dications. *Journal of the American Chemical Society*, **1993**, 115, 8060-8065	16.4	15
408	Aromatic substitution. 58. Boron tris(triflate)-catalyzed adamantylation of benzene and toluene with 1- and 2-haloadamantanes and adamantanoyl chlorides. Isomerization of phenyl- and tolyladamantanes. *Journal of Organic Chemistry*, **1990**, 55, 1516-1522	4.2	15

407	Onium ions. 39. Nitrogen-15 NMR spectroscopic investigation of nitrous and nitric acids in sulfuric acid solutions of varying acidities. *Inorganic Chemistry*, **1990**, 29, 4965-4968	5.1	15
406	Preparation of Bromo- and Chlorocarboxylic Acids from Amino Acids. *Helvetica Chimica Acta*, **1983**, 66, 1028-1030	2	15
405	Stable carbocations. 261. Deuterium isotope effects on the carbon-13 NMR spectra of 1-methylcyclobutyl and trishomocyclopropenyl cations. *Journal of the American Chemical Society*, **1985**, 107, 6017-6019	16.4	15
404	Superacid-catalyzed transfer nitration of benzene, toluene, and mesitylene with 9-nitroanthracene and pentamethylnitrobenzene. Evidence for the reversibility of electrophilic aromatic nitration in specific cases. *Journal of the American Chemical Society*, **1979**, 101, 1805-1807	16.4	15
403	Synthetic Methods and Reactions; 881. Sulfuryl Chloride Fluoride, a Convenient Reagent for the Preparation of Amides from Carboxylic Acids and Primary Amines Under Mild Conditions. *Synthesis*, **1980**, 1980, 661-662	2.9	15
402	Stable carbocations. 223. Degenerate cyclopropylcarbinyl cation rearrangement in 2-bicyclo[n.1.0]alkyl cations. *Journal of Organic Chemistry*, **1980**, 45, 965-969	4.2	15
401	Carcinogen chemistry. 4. (Haloalkyl)oxonium and (haloalkyl)carboxonium ions. Preparation, nuclear magnetic resonance structural study, and alkylating ability. *Journal of Organic Chemistry*, **1981**, 46, 571-577	4.2	15
400	Carbon-13 NMR spectroscopic study of the application of the "tool of increasing electron demand" to the 7-aryl-1-norbornenyl, 7-aryl-7-norbornyl, 2-aryl-2-bicyclo[2.1.1]hexyl, 1-aryl-1-cyclobutyl, and 3-aryl-3-nortricyclyl cations. *Journal of the American Chemical Society*, **1981**, 103, 1122-1128	16.4	15
399	Aromatic substitution. XXXIV. Differing nature and selectivity of the nitration of nitro(dinitro)benzene and -toluenes from that of benzene and toluene. *Journal of the American Chemical Society*, **1974**, 96, 549-553	16.4	15
398	Heterogeneous catalysis by solid superacids. 2. Reduction of 2-chloropropane and its reaction with alkanes over niobium pentafluoride on graphite. *Journal of Organic Chemistry*, **1977**, 42, 3046-3050	4.2	15
397	Synthetic Methods and Reactions; 53. Convenient Reductive Cleavage of Benzylic (Benzhydrilic) Ethers and Acetals Using AlCl3/Pd-Catalyzed Hydrogen Transfer from Cyclohexene. *Synthesis*, **1978**, 1978, 825-825	2.9	15
396	Stable carbonium ions. LXXI. Protonated imides. *Journal of the American Chemical Society*, **1968**, 90, 6464-6467	16.4	15
395	Stable carbonium ions. XCII. Carbon-13 nuclear magnetic resonance spectroscopic study of neighboring halogen participation and substituent effects in carbonium ions. Comparison of substituted cumyl and .beta.-bromocumyl cations. *Journal of the American Chemical Society*, **1969**, 91, 3961-3962	16.4	15
394	Organic fluorine compounds. XXXII. Protonated fluoromethyl alcohol. *Journal of the American Chemical Society*, **1971**, 93, 781-782	16.4	15
393	Stable carbocations. CXXXVI. Intramolecular 1,2-hydrogen shifts in difluoro- and dimethylbenzenium ions. *Journal of the American Chemical Society*, **1972**, 94, 9241-9244	16.4	15
392	Electrophilic reactions at single bonds. XV. Ambident nature of the triphenylcarbenium ion in some hydrogen transfer reactions involving carbon-, boron-, and aluminum-hydrogen bonds. *Journal of the American Chemical Society*, **1973**, 95, 3794-3796	16.4	15
391	Friedel–Crafts Isomerization. IX.1a Aluminum Chloride Catalyzed Isomerization of the Diisopropylbenzenes. *Journal of Organic Chemistry*, **1964**, 29, 2315-2316	4.2	15
390	Stable Carbonium Ions. XXVIII.1 Protonated Aliphatic Alcohols. *Journal of the American Chemical Society*, **1966**, 88, 5327-5328	16.4	15

389	Stable carbonium ions. XXXVIII. Alkenyloxocarbonium ions. *Journal of the American Chemical Society* , **1967**, 89, 2694-2697	16.4	15
388	Friedel-Crafts isomerization. XV. Aluminum chloride catalyzed isomerization of (methylphenyl)phenylmethanes. *Journal of Organic Chemistry*, **1967**, 32, 1612-1614	4.2	15
387	Taming of superacids: PVP-triflic acid as an effective solid triflic acid equivalent for Friedel□Crafts hydroxyalkylation and acylation. *Journal of Fluorine Chemistry*, **2015**, 171, 102-112	2.1	14
386	XH52+ Dications and XH63+ Trications (X = N, P, and As)1. *Journal of the American Chemical Society*, **1997**, 119, 12984-12985	16.4	14
385	A new rigid cinchona modified (ΗQ) platinum catalyst for the enantioselective hydrogenation of activated ketones: Data to the origin of enantioselection. *Journal of Molecular Catalysis A*, **2007**, 272, 265-274		14
384	Homoconjugation in the adamantane cage: DFT/IGLO studies of the 1, 3-dehydro-5-adamantyl cation, its isoelectronic boron analogue 1, 3-dehydro-5-boraadamantane, and related systems(1)(,). *Journal of Organic Chemistry*, **2000**, 65, 5956-9	4.2	14
383	Ab Initio/IGLO/GIAO-MP2 Study of Hypercoordinate Square-Pyramidal Carbocations 1. *Journal of Physical Chemistry A*, **1998**, 102, 2579-2583	2.8	14
382	Preparation and 13C NMR Spectroscopic Study of Disubstituted Adamantane-1,3-dimethyldiyl Dications. *Journal of Organic Chemistry*, **1995**, 60, 7351-7354	4.2	14
381	Mechanism of the reaction of methylene with benzene: a study of kinetic hydrogen isotope effects and theoretical calculations. *Journal of the American Chemical Society*, **1993**, 115, 901-905	16.4	14
380	Synthetic methods and reactions. 135. Single-step reductive isomerization of unsaturated polycyclics to C4n+6H4n+12 diamondoid cage hydrocarbons with sodium borohydride/triflic acid. *Journal of Organic Chemistry*, **1989**, 54, 1450-1451	4.2	14
379	Onium ions. 30. Methyl- and ethylvinylhalonium ions. *Journal of Organic Chemistry*, **1985**, 50, 2405-2406	4.2	14
378	13C-NMR Study of Protonated Thioketones in Superacidic Media: Significance of Mercaptocarbenium Ion Contributions. *Angewandte Chemie International Edition in English*, **1980**, 19, 811-812		14
377	Stable carbocations. CXLV. 2,3-Dimethyl-2-norbornyl cation and its rearrangement to the 1,2-dimethyl-2-norbornyl cation. *Journal of the American Chemical Society*, **1974**, 96, 189-194	16.4	14
376	Stable carbocations. CLXXII. 2-Adamantyl cations. *Journal of Organic Chemistry*, **1974**, 39, 3750-3754	4.2	14
375	Stable carbocations. CLXVI. Benzonortricyclyl cations. *Journal of the American Chemical Society*, **1975**, 97, 2236-2243	16.4	14
374	Concerning the structure and modes of degenerate rearrangement of the nonclassical 1-methylcyclobutyl and related carbocations. *Journal of the American Chemical Society*, **1978**, 100, 7085-7086	16.4	14
373	Synthetic Methods and Reactions; Part 561. Deoxygenation of Sulfoxides with Sodium Iodide/Oxalyl Chloride and Related Acid Halides. *Synthesis*, **1979**, 1979, 58-59	2.9	14
372	Stable carbonium ions. XCV. Carbon-13 nuclear magnetic resonance spectrum at -150.deg. of the 2-norbornyl cation and its relation to the 7-norbornenyl and 7-norbornadienyl cations. *Journal of the American Chemical Society*, **1969**, 91, 6883-6885	16.4	14

371	Stable carbonium ions. LXXIX. H and C nuclear magnetic resonance spectroscopic investigation of hydroxy- and alkoxycarbonium ions. Determination of the magnitude and sign of the geminal coupling constants. *Journal of the American Chemical Society*, **1969**, 91, 2943-2948	16.4	14
370	Aromatic substitution. XXVI. Propionylation and benzoylation of benzene and alkylbenzenes with ethyloxocarbonium (propionylium) and phenyloxocarbonium (benzoylium) hexafluoroantimonate in nitromethane and tetramethylene sulfone solution. *Journal of the American Chemical Society*, **1969**, 91, 5319-5323	16.4	14
369	Selective Friedel–Crafts Reactions. II.1a Alkylation of Olefins and Vinylbenzenes with ω-Haloalkylbenzenes. *Journal of Organic Chemistry*, **1964**, 29, 2685-2687	4.2	14
368	Spectroscopic Observation of Alkylcarbonium Ions in Strong Acid Solutions. *Advances in Physical Organic Chemistry*, **1966**, 4, 305-347	0.3	14
367	Stable Carbonium Ions. XXXV.1 Pentafluorophenylcarbonium Ions. *Journal of the American Chemical Society*, **1967**, 89, 1027-1028	16.4	14
366	Reduction of Carbonyl to Methylene: Organosilane-Ga(OTf)3 as an Efficient Reductant System. *Catalysis Letters*, **2011**, 141, 507-511	2.8	13
365	Efficient synthesis of α-(fluoro/chloro/methoxy)disulfonylmethane derivatives as tunable substituted methyl synthons via a new C–S bond forming strategy. *Journal of Fluorine Chemistry*, **2010**, 131, 1007-1012	2.1	13
364	The Protiotetramethylammonium Dication (CH3)3NCH42+: Hydrogen/Deuterium Exchange and Calculational Studies. Search for the Parent Protioammonium Dication NH52+ 1. *Journal of the American Chemical Society*, **1997**, 119, 4594-4598	16.4	13
363	Microwave-Assisted Reduction of Acetophenones Using Ni–Al Alloy in Water. *Bulletin of the Chemical Society of Japan*, **2006**, 79, 791-792	5.1	13
362	Expedient synthesis of [18F]-labeled α-trifluoromethyl ketones. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2003**, 46, 1087-1092	1.9	13
361	Gitonic and distonic alkanonium dications (diprotonated alkane dications C(n)H(2n+4(2+)), n = 1-4)(1). *Journal of Organic Chemistry*, **2001**, 66, 2907-10	4.2	13
360	Superacid Activated Condensation of Parabanic Acid and Derivatives with Arenes. A New Synthesis of Phenytoin and 5,5-Diarylhydantoins. *Synlett*, **1998**, 1998, 918-920	2.2	13
359	Superacidic FSO3H/HF catalyzed butane isomerization [1]. *Catalysis Letters*, **1991**, 10, 239-247	2.8	13
358	Reduction of Carbonyl Compounds to Hydrocarbons with Triisopropyl Phosphite: An Inexpensive New Reducing Agent1. *Synlett*, **1990**, 1990, 54-56	2.2	13
357	Onium ions. 37. Hydrogen-deuterium exchange of diborane in superacid solution through diboranonium (B2H7+) and diboranium (B2H5+) ions. *Journal of the American Chemical Society*, **1988**, 110, 7885-7886	16.4	13
356	Stable carbocations. 247. Comments on the application of the Gassman-Fentiman tool of increasing electron demand to the carbon-13 nuclear magnetic resonance spectroscopic study of substituted 2-aryl-2-norbornyl cations. *Journal of Organic Chemistry*, **1983**, 48, 2146-2151	4.2	13
355	Electrophilic reaction at single bonds. 21. Superacid-catalyzed alkylation of adamantane. *Journal of the American Chemical Society*, **1985**, 107, 7541-7545	16.4	13
354	Onium ions. 19. Chloromethylhalonium ions. *Journal of the American Chemical Society*, **1979**, 101, 4765-4766	16.4	13

353	Synthetic Methods and Reactions; 771. Dimethyl Sulfoxide/Chlorosulfonyl Isocyanate: An Extremely Mild Reagent for Oxidation of Alcohols to Carbonyl Compounds. *Synthesis*, **1980**, 1980, 141-142	2.9	13
352	Some new synthetic reagents and reactions. *Accounts of Chemical Research*, **1980**, 13, 330-336	24.3	13
351	Preparation and carbon-13 nuclear magnetic resonance structural study of protonated, methylated, and SbF5- or BF3-complexed nitroalkanes and nitroarenes. *Journal of Organic Chemistry*, **1980**, 45, 4149-4153	4.2	13
350	Onium ions. 23. Structure of oxonium ions: an x-ray crystallographic study of triethyloxonium hexafluorophosphate and triphenyloxonium tetraphenylborate. *Journal of the American Chemical Society*, **1982**, 104, 2365-2372	16.4	13
349	Stable carbocations. CLXXXVIII. Bicyclo[3.1.0]hexenyl cations. *Journal of Organic Chemistry*, **1975**, 40, 3259-3263	4.2	13
348	Stable carbonium ions. LXIII. Diprotonated aliphatic alkoxy alcohols and their cleavage in strong acid solution. Stable secondary alkoxycarbonium ions. *Journal of the American Chemical Society*, **1968**, 90, 4323-4327	16.4	13
347	Stable carbonium ions. LXXV. Protonated thiocarboxylic acids, S-alkyl esters, and their cleavage in fluorosulfonic acid-antimony pentafluoride solution. Thio-analogs of protonated carbonic acid. *Journal of Organic Chemistry*, **1969**, 34, 1827-1832	4.2	13
346	Chemistry in super acids. IV. Exchange of hydrogen and deuterium in HF (DF)-SbF5, FSO3H (FSO3D)-SbF5, and H2SO4 (D2SO4)-SbF5 solutions. *Journal of the American Chemical Society*, **1970**, 92, 3831-3832	16.4	13
345	Stable carbocations. CXX. Preparation of alkyl (aryl) carbenium ions from olefins. *Journal of Organic Chemistry*, **1971**, 36, 2354-2356	4.2	13
344	Stable carbocations. CXXXV. Protonation of trihydroxybenzenes and their methyl ethers in superacids. *Journal of the American Chemical Society*, **1972**, 94, 5341-5349	16.4	13
343	Chemistry in superacids. V. Evidence for the protonation of chlorine,romine, carbon dioxide, and xenon in fluoroantimonic acid solution. *Journal of the American Chemical Society*, **1973**, 95, 3582-3584	16.4	13
342	Onium ions. IV. Dialkylaryloxonium ions and their alkylating ability. *Journal of the American Chemical Society*, **1973**, 95, 4971-4975	16.4	13
341	Friedel-Crafts Isomerization. III. Aluminum Bromide-Catalyzed Isomerization of Bromofluorobenzenes, Bromochlorobenzenes, and Dibromobenzenes. *Journal of Organic Chemistry* , **1962**, 27, 3455-3464	4.2	13
340	Electrophilic amination of aromatics with sodium azide in BF3•H2O. *Tetrahedron Letters*, **2016**, 57, 288-291	2.1	12
339	Poly(4-vinylpyridine) catalyzed hydrolysis of methyl bromide to methanol and dimethyl ether. *Journal of Molecular Catalysis A*, **2009**, 310, 180-183		12
338	2,6-Dimethylmesitylene-2,6-diyl Dication, a Unique Dienyl−Allyl Dication and Its Comparison with Bisallylic Benzene Dication1. *Journal of the American Chemical Society*, **1997**, 119, 3407-3408	16.4	12
337	Preparation, 29Si and 13C NMR and DFT/IGLO studies of silylcarboxonium ions1Considered as Onium Ions Part 48; for Part 47 see Ref. [1].12Dedicated to Professor Kenneth Wade on the occasion of his 65th birthday.2. *Journal of Organometallic Chemistry*, **1998**, 550, 119-123	2.3	12
336	13C and 15N NMR and ab Initio/GIAO-CCSD(T) Study of the Structure of Mono-, Di-, and Triprotonated Guanidine, Urea, and Thiourea. *Journal of Physical Chemistry C*, **2008**, 112, 7895-7899	3.8	12

335	Ab Initio Study of XH2+ (X = B, Al, and Ga) Isomers. *Journal of Physical Chemistry A*, **2000**, 104, 2284-2286	2.8	12
334	Onium Ions. 44. Cubyl Onium Ions: Cubylcarboxonium, Cubylacylium, and Dimethyl Cubyl-1,4-dihalonium Ions. *Journal of the American Chemical Society*, **1995**, 117, 12107-12113	16.4	12
333	1,3,5,7-Adamantanetetrakis(.alpha.,.alpha.-diphenylmethyl)tetrayl Tetracation: A Stable Tetrahedrally Arrayed Tetracation. *Journal of the American Chemical Society*, **1995**, 117, 12005-12006	16.4	12
332	Chemistry in superacids. 14. Superelectrophilic nitration of the triphenylcarbenium ion. *Journal of Organic Chemistry*, **1993**, 58, 5017-5018	4.2	12
331	Synthetic methods and reactions. 128. Unusual .beta.-fluorination of secondary alkyl and cycloalkyl bromides in their reaction with NO2+ BF4- in (HF)n-pyridine solution. *Journal of Organic Chemistry*, **1987**, 52, 931-933	4.2	12
330	Stable carbocations. 257. One-bond carbon-13-carbon-13 NMR coupling constants in substituted benzoyl cations. *Journal of the American Chemical Society*, **1984**, 106, 7073-7077	16.4	12
329	Stable carbocations. 264. Observation of secondary carbon-13 equilibrium isotope effect in the degenerate rearrangement of 2,3-dimethyl-2-butyl cation using natural abundance carbon-13 NMR spectroscopy. *Journal of the American Chemical Society*, **1985**, 107, 5015-5016	16.4	12
328	Considered stable carbocations. 262. anti-Tricyclo[5.1.0.03,5]octa-2,6-diyl dications. Novel bis(cyclopropylcarbinyl) dications. *Journal of the American Chemical Society*, **1985**, 107, 2920-2923	16.4	12
327	Rearrangements among gas-phase ions of C8H8 isomers. A photodissociation-spectroscopic investigation. *Journal of the American Chemical Society*, **1979**, 101, 1368-1370	16.4	12
326	1,4,5,8-Tetramethylnaphthalene dication and related radical cations. *Journal of the American Chemical Society*, **1979**, 101, 6658-6659	16.4	12
325	13C-NMR-Untersuchung protonierter Thioketone in Supers□ren: Bedeutung von Mercaptocarbenium-Ionen. *Angewandte Chemie*, **1980**, 92, 837-838	3.6	12
324	Study of increasingly crowded phenylethanes by carbon-13 spectroscopy and molecular mechanics calculations. *Journal of the American Chemical Society*, **1981**, 103, 6566-6574	16.4	12
323	Stable carbocations. 238. Two- and threefold degenerate rearrangements in di- and trimethylcyclopropylcarbinyl cations. *Journal of the American Chemical Society*, **1982**, 104, 1031-1033	16.4	12
322	Stable carbocations. CLXX. Ethylbenzenium ions and the heptaethylbenzenium ion. *Journal of the American Chemical Society*, **1975**, 97, 4051-4055	16.4	12
321	Organometallic chemistry. VIII. Protonated anisolechromium tricarbonyl and its carbon-13 nuclear magnetic resonance spectroscopic study. *Journal of Organic Chemistry*, **1976**, 41, 717-719	4.2	12
320	Stable carbonium ions. LXXVI. 2,2-Dimethyltetramethylene halonium ions and a study of halogen participation in protonated methyl .gamma.-halopropyl ketones and 5-halo-1-pentynes. *Journal of the American Chemical Society*, **1968**, 90, 6988-6992	16.4	12
319	Stable carbocations. CXXXI. Intermolecular fluorine exchange of the methylfluorocarbenium and dimethylfluorocarbenium ions in hydrogen fluoride-antimony pentafluoride-sulfuryl chloride fluoride solution. *Journal of Organic Chemistry*, **1972**, 37, 1169-1174	4.2	12
318	Stable carbocations. CLXI. Protonation and Lewis acid halide complex formation of carbamyl halides and alkyl (aryl) isocyanates and isothiocyanates. Carbamyl, thiocarbamyl, and allophanyl cations. *Journal of the American Chemical Society*, **1973**, 95, 7672-7680	16.4	12

317	Stable carbocations. CXLI. 3-Homoadamantyl cation. *Journal of the American Chemical Society*, **1973**, 95, 194-197	16.4	12
316	Stable carbocations. CXLVII. Carbon-13 nuclear magnetic resonance study of the rapidly equilibrating bridgehead bicyclo[4.4.0]decyl, bicyclo[4.3.0]nonyl and bicyclo[3.3.0]octyl cations and related model ions. *Journal of Organic Chemistry*, **1974**, 39, 367-369	4.2	12
315	Friedel-Crafts Isomerization. V.1a Aluminum Chloride-Catalyzed Isomerization of Terphenyls. *Journal of Organic Chemistry*, **1962**, 27, 3682-3683	4.2	12
314	Ab initio/GIAO-CCSD(T) study of the trimethyl- and dimethylsilicenium ions: structures, (29)Si, (13)C, and (1)H NMR chemical shifts, and IR spectra. *Journal of Physical Chemistry A*, **2010**, 114, 4394-9	2.8	11
313	Gallium (III) triflate-catalyzed synthesis of heterocycles: quinoxalines, 1,5-benzodiazepines and their fluorinated derivatives. *Future Medicinal Chemistry*, **2009**, 1, 909-20	4.1	11
312	Preparation and Characterization of trans-1,4-Diazido-1,4-dinitrocyclohexane and exo-2,5-Diazido-endo-2,5-dinitronorbornane: Stable Geminal Azido□Nitro Compounds. *Journal of Organic Chemistry*, **1997**, 62, 1872-1874	4.2	11
311	1-Oxoniaadamantane. *European Journal of Organic Chemistry*, **2008**, 2008, 4555-4558	3.2	11
310	Friedel-Crafts Alkylations of Arenes with Mono- and Bis(trifluoro□methyl)oxiranes in Superacid Medium: Facile Synthesis of □(Trifluoro□methyl)- and □Bis(Trifluoromethyl)-□Arylethanols. *Synlett*, **2007**, 2007, 1158-1162	2.2	11
309	Ab Initio/GIAO-CCSD(T) study of bicyclic and related strained olefins. Structures and 13C NMR chemical shifts. *Journal of Physical Chemistry A*, **2006**, 110, 7197-201	2.8	11
308	Ab initio/GIAO-CCSD(T) study of propenoyl (H2C=CH-CO+) and isopentenoyl ((CH3)2C=CH-CO+) cations and their superelectrophilic protonated dications. *Journal of Physical Chemistry A*, **2006**, 110, 1041-5	2.8	11
307	Carbocationic rearrangement of pivaloyl cation and protonated pivalaldehyde in superacid medium: a novel solution equivalent of the McLafferty rearrangement. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 959-65	3.5	11
306	13C NMR/DFT/GIAO studies of phenylene bis(1,3-dioxolanium) dications and 2,4,6-triphenylene tris(1,3-dioxolanium) trication. *Journal of Organic Chemistry*, **2003**, 68, 3507-10	4.2	11
305	Structures and stabilities of higher coordinate onium-boronium dications (X(+)BH(3)+ and X(+)BH(5)+; X = NH(3), PH(3), H(2)O, and H(2)S). *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 13387-90	11.5	11
304	Chemistry in Superacids. 15. Gitonic Protodiazonium and Bisdiazonium Dications and Their Potential Role in Superacid Chemistry. *Journal of the American Chemical Society*, **1994**, 116, 8985-8990	16.4	11
303	Synthetic methods and reactions. 140. One-pot preparation of crowded olefins from hindered ketones with alkyllithiums and thionyl chloride. *Journal of Organic Chemistry*, **1989**, 54, 1375-1378	4.2	11
302	Considered stable carbocation. 250. .alpha.-Nitrodiarylmethyl cations. *Journal of the American Chemical Society*, **1984**, 106, 2378-2380	16.4	11
301	Onium ions. 29. Cyanation and nitration of toluene with cyanamide and nitramide through intermediate cyano- and nitrodiazonium ions. Attempted fluorination of aromatics with fluorodiazonium ion. *Journal of Organic Chemistry*, **1985**, 50, 1338-1339	4.2	11
300	Thiobenzoyl Cations. *Angewandte Chemie International Edition in English*, **1980**, 19, 812-813		11

299	Palladium-Catalyzed Reduction of Multiple Bonds with Mg/CH3OH. *Angewandte Chemie International Edition in English*, **1981**, 20, 92-93		11
298	Onium ions. 27. Oxidation of sulfoxides to sulfones with nitronium salts. *Journal of Organic Chemistry*, **1983**, 48, 3585-3587	4.2	11
297	Friedel-Crafts chemistry. IX. Aluminum chloride and antimony pentafluoride catalyzed desulfonylative alkylation of aromatics with isopropyl, tert-butyl, and benzylsulfonyl halides and with related sulfones. *Journal of Organic Chemistry*, **1974**, 39, 2430-2431	4.2	11
296	Radical reactions. I. Phosphorus chloride catalyzed chlorination of alkanes, cycloalkanes, and arylalkanes. *Journal of Organic Chemistry*, **1974**, 39, 3472-3478	4.2	11
295	Organometallic chemistry. VII. Carbon-13 nuclear magnetic resonance spectroscopic study and the bonding nature of the ethylenemercurinium ion. Preparation and study of the norbornadiene- and 1,5-cyclooctadienemethylmercurinium ions. *Journal of Organic Chemistry*, **1975**, 40, 3638-3640	4.2	11
294	Protonated chloromethyl alcohol and chloromethyl ethers. Proof for the intermediacy of the elusive chloromethyl alcohol. *Journal of the American Chemical Society*, **1975**, 97, 2293-2295	16.4	11
293	Synthetic Methods and Reactions; XXII1. Hydrodehalogenation of □-Haloketones with Vanadium(II) Chloride. *Synthesis*, **1976**, 1976, 807-807	2.9	11
292	Oxyfunctionalization of hydrocarbons. 5. Protolytic cleavage-rearrangement reactions of tertiary alkyl (arylalkyl) peroxy esters in superacids. *Journal of Organic Chemistry*, **1977**, 42, 32-37	4.2	11
291	Stable carbonium ions. XCVII. Protonation of 3-phenylsydnone, its derivatives, and related model compounds. *Journal of the American Chemical Society*, **1970**, 92, 3133-3137	16.4	11
290	Stable carbonium ions. XCIII. Protonated thion esters and dithio esters and their cleavage in fluorosulfuric acid-antimony pentafluoride solution. *Journal of Organic Chemistry*, **1970**, 35, 331-335	4.2	11
289	Stable carbocations. CXII. Preferential formation of the bicyclo[3.3.0]-1-octyl cation from bicyclooctyl precursors and its rearrangement to the 2-methylnorbornyl cation. *Journal of the American Chemical Society*, **1971**, 93, 6873-6877	16.4	11
288	Electron spectroscopy of organic ions. III. Alkyl- and aryloxocarbenium ions (acyl cations). *Journal of the American Chemical Society*, **1972**, 94, 7191-7192	16.4	11
287	Stable carbocations. CLVIII. Degenerate 1,2-hydrogen shifts in fluorobenzenium ions and their comparison with those in methylbenzenium ions. *Journal of Organic Chemistry*, **1973**, 38, 3212-3221	4.2	11
286	Organic Fluorine Compounds. XXX. Formation of Aryl Fluorides via Decarbonylation of Aroyl Fluorides. *Journal of Organic Chemistry*, **1967**, 32, 1614-1615	4.2	11
285	Poly(4-vinylpyridine)-nitrating mixture complex (PVP-NM): solid nitrating mixture equivalent for safe and efficient aromatic nitration. *Green Chemistry*, **2015**, 17, 3446-3451	10	10
284	The Role of Catalysis in Replacing Oil by Renewable Methanol Using Carbon dioxide Capture and Recycling (CCR). *Catalysis Letters*, **2013**, 143, 983-987	2.8	10
283	Beyond Oil and Gas: The Methanol Economy. *ECS Transactions*, **2011**, 35, 31-40	1	10
282	Structures of XH32+ (X=C, Si and Ge) and isoelectronic XH3+ (X=B, Al and Ga). *Computational and Theoretical Chemistry*, **1998**, 455, 101-105		10

281	The question of C- vs. O-silylation of ketenes: electrophilic triethylsilylation of diphenylketene. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 6251-4	11.5	10
280	Anionic Synthesis of Narrow Molecular Weight Distribution Poly(trimethylvinylsilane) (PTMVS), Polystyrene−PTMVS Block Copolymers, and Poly(phenyldimethylvinylsilane). Conversion of Poly(phenyldimethylvinylsilane) into Poly(fluorodimethylvinylsilane). *Macromolecules*, **1996**, 29, 8285-8288	5.5	10
279	Aromatic substitution. 64. Friedel-Crafts Alkylation of Aromatics with exo-2-Chloro- and 7-Chloronorbornane. *Journal of Organic Chemistry*, **1994**, 59, 2590-2593	4.2	10
278	Considered synthetic methods and reactions. Part 165. One-step preparation of hydrazinium nitrates from tertiary amines and azaarenes with hydroxylamine-O-sulfonic acid/barium nitrate/barium oxide and conversion to energetic amine-nitroimides. *Journal of Organic Chemistry*, **1992**, 57, 1585-1588	4.2	10
277	Nafion-H catalyzed tert-butylation of aromatic compounds with 2,6-DI(tert-butyl)-p-cresol [1]. *Catalysis Letters*, **1990**, 6, 345-348	2.8	10
276	Stable carbocations. 279. Carbon-13 NMR spectroscopic study of .gamma.-substituted tris(ethynyl)methyl cations. *Journal of Organic Chemistry*, **1990**, 55, 6061-6062	4.2	10
275	Trifluoromethanesulfonic (triflic) acid catalyzed transformations of .alpha.-hydroxy carbonyl compounds. *Journal of Organic Chemistry*, **1991**, 56, 2531-2534	4.2	10
274	Onium ions. 25. Oxidation of tertiary phosphines and arsines with sulfur trioxide and sulfuryl chloride fluoride: demonstration of ambident reactivity. *Journal of Organic Chemistry*, **1983**, 48, 1760-1762	4.2	10
273	Aromatic substitution. 46. Methyl (ethyl) thio(dithio)carboxylation of aromatics with S-methyl(5-ethyl)thiocarboxonium and -dithiocarboxonium fluoroantimonates. *Journal of Organic Chemistry*, **1981**, 46, 438-442	4.2	10
272	Stable carbocations. 187. Tertiary 2-benzonorbornenyl cations. *Journal of the American Chemical Society*, **1976**, 98, 6304-6308	16.4	10
271	Stable carbonium ions. CVIII. Protonated lactones and their cleavage reactions in fluorosulfuric acid-antimony pentafluoride solution. *Journal of Organic Chemistry*, **1970**, 35, 3916-3922	4.2	10
270	I-Molecule Reactions of Ethane at Low Electron Energy. *Journal of Chemical Physics*, **1972**, 56, 3794-3798	3.9	10
269	ORGANOPHOSPHORUS COMPOUNDS: X. PHOSPHORISOCYANATIDIC DIFLUORIDE AND CHLORIDE FLUORIDE. PREPARATION OF ALKYL CARBAMATOPHOSPHORODIFLUORIDATES AND UREIDOPHOSPHORODIFLUORIDATES. *Canadian Journal of Chemistry*, **1962**, 40, 1951-1954	0.9	10
268	Organic Fluorine Compounds. XXVIII. Reaction of Sulfonic- and Mixed Sulfonic-Carboxylic Acid Anhydrides with Anhydrous Hydrogen Fluoride. *Journal of Organic Chemistry*, **1962**, 27, 2667-2668	4.2	10
267	Friedel–Crafts Isomerization. VI. Aluminum Chloride-Catalyzed Isomerization of Fluorobiphenyls. *Journal of Organic Chemistry*, **1963**, 28, 1912-1914	4.2	10
266	Aromatic Substitution. XIX.1 Friedel-Crafts Isopropylation and t-Butylation of Halobenzenes. *Journal of the American Chemical Society*, **1964**, 86, 1065-1066	16.4	10
265	The Reaction of Isopropylbenzenes with Nitrosonium Salts. A New Hydride-Abstraction Reaction. *Journal of the American Chemical Society*, **1966**, 88, 5330-5331	16.4	10
264	Aromatic Substitution. XV.1 Ferric Chloride Catalyzed Bromination of Halobenzenes in Nitromethane Solution. *Journal of the American Chemical Society*, **1964**, 86, 1044-1046	16.4	10

263	ipso-Nitrosation of arylboronic acids with chlorotrimethylsilane and sodium nitrite. *Tetrahedron Letters*, **2014**, 55, 1975-1978	2	9
262	Thermocontrolled benzylimine□benzaldimine rearrangement over Nafion-H catalysts for efficient entry into □trifluoromethylbenzylamines. *Tetrahedron Letters*, **2012**, 53, 607-611	2	9
261	Vicinal dihalonium ions: diprotonated and dimethylated chlorine [H2Cl2(2+), (CH3)2Cl2(2+)] and bromine [H2Br2(2+), (CH3)2Br2(2+)] dications. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6716-20	11.5	9
260	Preparation, NMR, and Ab Initio/IGLO/GIAO-MP2 Study of the Elusive Protonated Fluroformic Acid and Fluorocarbonyl Cation. *Angewandte Chemie International Edition in English*, **1997**, 36, 1875-1877		9
259	Ab initio/GIAO-MP2-calculated structures and (11)B-(13)C NMR chemical shift relationship in hypercoordinate onium-carbonium dications and isoelectronic onium-boronium cations. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 9635-8	11.5	9
258	Ab initio study of the structures and stabilities of the dimer of ethyl cation, (C(2)H(+)(5))(2) and related C(4)H(10)(2+) isomers. *Journal of Organic Chemistry*, **2001**, 66, 9011-4	4.2	9
257	Structures and Energies of Hexa-, Hepta-, and Octacoordinate Alonium Ions AlH6+, AlH72+, and AlH83+ and Related AlH4+, AlH52+, and AlH63+ Ions1. *Inorganic Chemistry*, **1998**, 37, 2047-2050	5.1	9
256	B□H Bond Protonation in Mono- and Diprotonated Borane Complexes H3BX (X = N2H4, NH2OH, and H2O2) Involving Hypercoordinate Boron1. *Inorganic Chemistry*, **1999**, 38, 5876-5878	5.1	9
255	Effect of acid/hydrocarbon ratio, temperature and contact time on the isobutane-isobutylene alkylation with trifluoromethanesulfonic acid. *Catalysis Letters*, **1996**, 40, 137-142	2.8	9
254	Nafion-H catalyzed condensation of acetophenone derivatives. A preparative route of 1,3,5-Triarylbenzenes [1]. *Catalysis Letters*, **1990**, 6, 341-344	2.8	9
253	Synthetic methods and reactions. Part 148. Preparation of tertiary alkyl isocyanates by the zinc iodide catalyzed reaction of tertiary alkanoyl chlorides with trimethylsilyl azide. *Journal of Organic Chemistry*, **1990**, 55, 4282-4283	4.2	9
252	New One-Pot Preparation of □Unsaturated Carboxylic Acid Esters from Carbonyl Compounds. *Synthesis*, **1988**, 1988, 537-538	2.9	9
251	Nonaromatic diazonium ions. *Reviews of Chemical Intermediates*, **1985**, 6, 237-253		9
250	Considered stable carbocations. 263. Preparation and carbon-13 NMR spectroscopic study of 2,6-disubstituted 2,6-adamantanediyl dications. *Journal of Organic Chemistry*, **1985**, 50, 3985-3988	4.2	9
249	Considered stable cations. 259. Application of the Gassman-Fentiman tool of increasing electron demand to the carbon-13 NMR spectroscopic study of 1-aryl-3-methylbut-2-enyl (allylic) and 2-arylpent-3-yn-2-yl (propargylic) cations. *Journal of the American Chemical Society*, **1985**, 107, 3928-3935	16.4	9
248	Synthetic Methods and Reactions; 831. Sulfuryl Chloride Fluoride, a Mild Dehydrating Agent in the Preparation of Nitriles from Aldoximes. *Synthesis*, **1980**, 1980, 659-659	2.9	9
247	Stable carbocations. 209. .alpha.,.alpha.-Ethylenenaphthalenium ions. *Journal of the American Chemical Society*, **1982**, 104, 5168-5172	16.4	9
246	Stable carbocations. CLXIX. Carbon-13-carbon-13 spin-spin coupling in carbocations. *Journal of the American Chemical Society*, **1974**, 96, 2229-2230	16.4	9

245	Stable carbocations. CLXXV. 8,9-Dehydro-2-adamantyl cations. *Journal of the American Chemical Society*, **1974**, 96, 6794-6796	16.4	9
244	The □1-dimethylcyclopropylcarbinyl cation. *Tetrahedron Letters*, **1978**, 19, 4779-4782	2	9
243	Synthetic methods and reactions. Part 50. Rearrangement of allyl alcohols to aldehydes with superacids. *Journal of Organic Chemistry*, **1978**, 43, 3890-3892	4.2	9
242	Stable carbonium ions. LIII. Diprotonated aliphatic glycols and their rearrangement in fluorosulfonic acid-antimony pentafluoride solution. *Journal of the American Chemical Society*, **1968**, 90, 927-933	16.4	9
241	Radical cations. II. Chlorine monofluoride molecule cation, ClF+. *Journal of the American Chemical Society*, **1969**, 91, 2172-2173	16.4	9
240	Stable carbonium ions. CVI. Protonation and cleavage reactions of alkyl- and arylsulfonic acids and sulfinic acids and alkyl sulfonates and sulfinates in fluorosulfuric acid-antimony pentafluroide solution. *Journal of Organic Chemistry*, **1970**, 35, 3908-3912	4.2	9
239	Stable carbocations. CXXXIII. Bicyclononyl and methylbicyclooctyl cations. *Journal of the American Chemical Society*, **1972**, 94, 4927-4932	16.4	9
238	Synthetic Methods and Reactions; XI1. A Convenient Direct Preparation of 1,3,5-Trinitrobenzene fromm-Dinitrobenzene by Nitration with Nitronium Tetrafluoroborate in Fluorosulfuric Acid Solution. *Synthesis*, **1974**, 1974, 444-445	2.9	9
237	Aromatic Substitution. XXV.1 Selectivity in the Friedel-Crafts Benzylation, Isopropylation, and tButylation of Benzene and Toluene. *Journal of the American Chemical Society*, **1965**, 87, 5786-5788	16.4	9
236	Stable Carbonium Ions. XXIII.1 Proton-13C+ Spin-Spin Coupling in Carbonium Ions1. *Journal of the American Chemical Society*, **1966**, 88, 1818-1819	16.4	9
235	Stable Carbonium Ions. XXX.1 The p-Anisonium and 2,4,6-Trimethylphenonium Ions. *Journal of the American Chemical Society*, **1967**, 89, 711-713	16.4	9
234	Characterization of Pt supported on commercial fluorinated carbon as cathode catalysts for Polymer Electrolyte Membrane Fuel Cell. *International Journal of Hydrogen Energy*, **2017**, 42, 15054-15063	6.7	8
233	Cyclodehydration of Fluorinated Diols Using the Mitsunobu Reaction: Highly Efficient Synthesis of Trifluoromethylated Cyclic Ethers. *Synthesis*, **2010**, 2010, 1891-1898	2.9	8
232	HF-Free, Direct Synthesis of Tetrabutylammonium Trifluoroborates. *Synthesis*, **2011**, 2011, 292-302	2.9	8
231	Comparative ab initio study of the structures and stabilities of the ethane dication C2H6(2+) and its silicon analogues Si2H6(2+) and CSiH6(2+). *Journal of Physical Chemistry A*, **2005**, 109, 798-801	2.8	8
230	Structures and Stabilities of B2H2n2+Dications (n= 1□). *Journal of Physical Chemistry A*, **2003**, 107, 7981-7984	2.8	8
229	Calculational study of the protonation of BXH(2) and BX(2)H (X = F and Cl). structures of BXH(3)(+) and BX(2)H(2)(+) and their dihydrogen complexes BXH(5)(+) and BX(2)H(4)(+). *Inorganic Chemistry*, **2001**, 40, 2453-6	5.1	8
228	Preparation and carbon 13 NMR spectroscopic study of the 2-(adamantylidenemethyl)-2-adamantyl and 2-adamantylidene-1,1-dicyclopropylethyl cations. *Journal of Organic Chemistry*, **1992**, 57, 6431-6434	4.2	8

227	Aromatic substitution. 59. C-Nitration of 2,6-di- and 2,4,6-tri-tert-butylpyridine with nitronium tetrafluoroborate. *Journal of Organic Chemistry*, **1990**, 55, 5179-5180	4.2	8
226	Heterogeneous catalysis by solid superacids. 25. Antimony pentafluoride/graphite catalyzed oxidative carbonylation of methyl halides with carbon monoxide and copper oxides (or copper/oxygen) to methyl acetate. *Journal of Organic Chemistry*, **1990**, 55, 4293-4297	4.2	8
225	Superacid coal chemistry. 3. Electrophilic substitution of coals under stable ion conditions and the conversion of functionalized coals with the HF:BF3:H2 liquefaction system. *Fuel*, **1984**, 63, 1432-1435	7.1	8
224	Stable carbocations. 253. One-bond carbon-13-carbon-13 NMR coupling constants in substituted acetophenones and benzaldehydes and their O-protonated carboxonium ions. *Journal of the American Chemical Society*, **1984**, 106, 7068-7073	16.4	8
223	Correspondence - Agreeing with Dewar. *Accounts of Chemical Research*, **1985**, 18, 292-293	24.3	8
222	Considered carbocations. 265. Reinvestigation of the bicyclo[2.2.2]octane-1,4-diyl dication. *Journal of Organic Chemistry*, **1985**, 50, 5255-5257	4.2	8
221	Onium ylide chemistry. 4. Alkylhalonium methylides. *Journal of the American Chemical Society*, **1985**, 107, 4975-4978	16.4	8
220	Synthetic Methods and Reactions; 721. Mild Fragmentative C-C Bond Cleavage of Hydroxyketoximes with Trifluoromethanesulfonic Anhydride, Trifluoroacetic Anhydride, or Trifluoromethanesulfonyl Chloride.. *Synthesis*, **1980**, 1980, 45-46	2.9	8
219	Stable carbocations. 224. Structure of cyclopropylcarbinyl and cyclobutyl cations. The 2,8-dimethyl-8,9-dehydro-2-adamantyl and 4-phenyl-2,5-dehydro-4-protoadamantyl cations. *Journal of the American Chemical Society*, **1980**, 102, 1865-1868	16.4	8
218	Trichlor(methyl)silan/Natriumiodid, ein neues regioselektives Reagens für die Etherspaltung. *Angewandte Chemie*, **1981**, 93, 705-706	3.6	8
217	Organophosphorus compounds. XIII. Protonation, cleavage, and alkylation of thiophosphates and thiophosphites. *Journal of Organic Chemistry*, **1975**, 40, 2582-2587	4.2	8
216	Organometallic chemistry. 11. Structure of protonated 1,3-butadieneiron tricarbonyl in fluorosulfuric acid-sulfur dioxide solution based on its carbon-13 nuclear magnetic resonance spectroscopic study. *Journal of Organic Chemistry*, **1976**, 41, 2227-2228	4.2	8
215	Organometallic chemistry. 13. Protonated cyclobutadieneiron tricarbonyl, a .sigma.-.pi. bonded cyclobutadiene hydridoiron tricarbonyl cation. *Journal of Organic Chemistry*, **1976**, 41, 2659-2661	4.2	8
214	Organometallic chemistry. 16. Carbon-13 nuclear magnetic resonance spectroscopic structural investigation of protonated cyclooctatetraeneiron tricarbonyl in superacid solution. *Journal of Organic Chemistry*, **1977**, 42, 4262-4265	4.2	8
213	Stable carbocations. CXXIII. Reported N-protonation of N,N-(diisopropyl)carbamates. Evidence for O-protonation followed by rearrangement. *Journal of Organic Chemistry*, **1971**, 36, 3585-3587	4.2	8
212	Preparative Carbocation Chemistry. III1. Dichlorophenyl- and Chlorodiphenylcarbenium Hexachloroantimonates. *Synthesis*, **1972**, 1972, 307-308	2.9	8
211	Onium ions. III. Alkylarylhalonium ions. *Journal of the American Chemical Society*, **1972**, 94, 6220-6221	16.4	8
210	NON-CLASSICAL CYCLOHEXENYL CARBONIUM ION. *Journal of the American Chemical Society*, **1961**, 83, 5031-5032	16.4	8

209	Friedel□rafts Isomerization. XIII.1a Aluminum Chloride Catalyzed Isomerization of the Halocumenes. *Journal of Organic Chemistry*, **1966**, 31, 1262-1267	4.2	8
208	Tetraflic Acid (1,1,2,2-Tetrafluoroethanesulfonic Acid, HC2F4SO3H) and Gallium Tetraflate as Effective Catalysts in Organic Synthesis. *Advanced Synthesis and Catalysis*, **2012**, 354, 2163-2171	5.6	7
207	Comparative study of the hypercoordinate carbonium ions and their boron analogs: A challenge for spectroscopists. *Chemical Physics Letters*, **2011**, 517, 1-8	2.5	7
206	Protonated tert-pentyl dication (C5H122+, isopentane dication). *Dalton Transactions*, **2008**, 521-6	4.3	7
205	Ab initio/GIAO-CCSD(T) study of the effects of protonation on borane□mmonia (H3BNH3) and related complexes. *Computational and Theoretical Chemistry*, **2007**, 818, 65-70		7
204	Density functional theory study of adamantanediyl dications C10H142+ and protio-adamantyl dications C10H162+. *Proceedings of the National Academy of Sciences of the United States of America* , **2004**, 101, 10868-71	11.5	7
203	Synthesis of 1,3-bis(N,N-difluoroamino)adamantane: addition of difluoramino radicals to 1,3-dehydroadamantane. *Journal of Fluorine Chemistry*, **2002**, 117, 103-105	2.1	7
202	Synthetic methods and reactions. 179. Polynitronorbornanes, bicyclooctanes, and cyclohexanes. *Journal of Organic Chemistry*, **1993**, 58, 763-765	4.2	7
201	Boron trifluoride monohydrate, a highly efficient catalyst for thioacetalrzation [1]. *Catalysis Letters*, **1992**, 13, 55-59	2.8	7
200	Synthetic methods and reactions. 136. Single-step one-carbon ring homologation of cyclic and polycyclic hydrocarbons via their methyl alcohols or carboxylic acids with sodium borohydride/triflic acid. *Journal of Organic Chemistry*, **1989**, 54, 1452-1453	4.2	7
199	Synthesis methods and reactions. Part 134. Preparation of 2-aryladamantanes and 3-aryldiamantanes by improved ionic hydrogenation of the corresponding tertiary alcohols with sodium borohydride-triflic acid or formic acid-triflic acid. *Journal of Organic Chemistry*, **1988**, 53, 5143-5145	4.2	7
198	Stable carbocations. 251. Carbon-13 NMR spectroscopic study of substituted anthracene dications. *Journal of Organic Chemistry*, **1983**, 48, 4830-4835	4.2	7
197	Stable carbocations. 254. Direct preparation of 9-.alpha.-ethyleneanthracenium ions from 9-.beta.-fluoroethylanthracenes via anthryl participation and their proton and carbon-13 NMR spectroscopic study. *Journal of the American Chemical Society*, **1984**, 106, 3265-3270	16.4	7
196	Onium ions. 32. Intermediacy of the parent diazonium ion (protonated dinitrogen, N2+H) in the diazotization of ammonia and its derivatives with nitrosonium tetrafluoroborate (15NO+BF4-) giving 15N14N+. *Journal of the American Chemical Society*, **1985**, 107, 5282-5283	16.4	7
195	Unexpected formation of 1,4,7,9-tetrafluorodiamantane in the reaction of 1,4,9-tribromodiamantane with NO2+BF4-/pyridinium polyhydrogen fluoride (PPHF). *Journal of Organic Chemistry*, **1986**, 51, 1354-1357	4.2	7
194	Synthetic Methods and Reactions; 781. Cleavage of EthanediylS,S-Acetals with Hydrochloric Acid/Hydrogen Peroxide. *Synthesis*, **1980**, 1980, 657-657	2.9	7
193	Synthetic Methods and Reactions; 921. A New Method of Dethioacetalization with Sulfuryl Chloride Fluoride. *Synthesis*, **1981**, 1981, 146-146	2.9	7
192	Synthetic Methods and Reactions; 1081. Cleavage of Ethanediyl S,S-Acetals with Iodo(Bromo)trimethylsilane/Dimethyl Sulfoxide. *Synthesis*, **1982**, 1982, 965-966	2.9	7

191	Stable carbocations. CLXV. Carbon-13 NMR spectroscopic study of alkenoyl cations. Importance of delocalized ketone-like carbenium ion resonance forms. *Journal of Organic Chemistry*, **1974**, 39, 1206-1210	4.2	7
190	Stable carbocations. 212. On the structure of cyclopropylcarbinyl and cyclobutyl cations. 8,9-Dehydro-2-adamantyl and 2,5-dehydro-4-protoadamantyl cations. *Journal of the American Chemical Society*, **1978**, 100, 1494-1500	16.4	7
189	Stable carbonium ions. LXI. Methylfluorobenzenonium ions. *Journal of the American Chemical Society*, **1968**, 90, 2583-2586	16.4	7
188	Stable carbocations. CLIII. Fluorinated phenylcarbenium ions and benzoyl cations. *Journal of Organic Chemistry*, **1973**, 38, 2682-2685	4.2	7
187	Onium Ions. VIII.' Selenonium and Telluronium Ions and Their Comparison with Oxonium and Sulfonium Ions.". *Journal of Organic Chemistry*, **1973**, 38, 4447-4450	4.2	7
186	Stable carbocations. CLIV. Halogenated phenyldifluorocarbenium ions. *Journal of Organic Chemistry* , **1973**, 38, 2686-2689	4.2	7
185	MP2, CCSD(T), and Density Functional Theory Study of the 2-Butyl Cation: New Insight into the Methyl- and Hydrogen-Bridged Structures. *Journal of Physical Chemistry A*, **2015**, 119, 5762-9	2.8	6
184	Tri- and tetraprotonated ethane (C2H9(3+) and C2H10(4+)) containing five- and six-coordinate carbons. *Journal of Physical Chemistry A*, **2010**, 114, 12124-7	2.8	6
183	Formation of Secondary or Tertiary Aliphatic Amines in Aqueous Media. *Synthetic Communications*, **2009**, 39, 2859-2865	1.7	6
182	Octahydriodo diborane (B2H8) and its protonated cations containing five-, six-, and seven-coordinate boron atoms. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6825-8	11.5	6
181	Zinc catalyzed conversion of methanol□methyl iodide to hydrocarbons with increased formation of triptane. *Applied Catalysis A: General*, **2008**, 336, 48-53	5.1	6
180	Comparative study of the hypercoordinate ions C7H9+ and C8H9+ by the ab initio/GIAO-CCSD(T) method. *Journal of Physical Chemistry A*, **2006**, 110, 11320-3	2.8	6
179	Structure, Nature of Bonding, and Charge Distribution in Hydridoborane Dications BHn2+ (n = 1□)1a. *Journal of Physical Chemistry A*, **2003**, 107, 4731-4734	2.8	6
178	Stable carbocations. 288. Carbon-13 NMR spectroscopic study of para-substituent effects in highly crowded .alpha.,.alpha.-di-1-adamantylbenzyl cations. *Journal of Organic Chemistry*, **1993**, 58, 4851-4854	4.2	6
177	Stable carbocations. 290. trans-Cyclopropane-1,2-diylbis(dicyclopropylmethylium) dication, a unique cyclopropyl stabilized carbodication. *Journal of Organic Chemistry*, **1993**, 58, 1639-1640	4.2	6
176	Synthetic methods and reaction. 194. Electrochemical synthesis of hexakis(trimethylsilyl)-3,3'-bicyclopropenyl. *Journal of Organic Chemistry*, **1994**, 59, 7532-7533	4.2	6
175	Electrophilic Reactions on Alkanes609-652		6
174	13C and 19F NMR spectroscopic study of substituent effects in □difluoroarylcarbeniumions [1]. *Journal of Fluorine Chemistry*, **1990**, 49, 33-41	2.1	6

173	Preparation of 1,3-Functionalized Adamantanes by the Lewis Acid Catalyzed Electrophilic Cyclization of 7-Methylenebicyclo[3.3.1]nonan-3-one in the Presence of □andN-Nucleophiles. *Synthesis*, **1990**, 1990, 646-648	2.9	6
172	Synthetic methods and reactions. 157. Reductive alkylation and reduction of tertiary, secondary, and benzylic alcohols with trimethyl-(triethyl-, and triisopropyl)boron/trifluoromethanesulfonic (triflic) acid. *Journal of Organic Chemistry*, **1991**, 56, 2759-2761	4.2	6
171	SUPERACID CATALYZED OXYGENATION OF ALIPHATIC ETHERS WITH OZONE. *Chemistry Letters*, **1984**, 13, 1617-1618	1.7	6
170	Onium ions. 21. Cyclopropylhalonium ions. *Journal of the American Chemical Society*, **1979**, 101, 6463-6465	16.4	6
169	The spiro[2.5]oct-4-yl cation, a long-lived secondary cyclohexyl cation. *Journal of the American Chemical Society*, **1981**, 103, 4646-4647	16.4	6
168	Oxyfunctionalization of hydrocarbons. 2. Ozonolysis of alkylcarbenium ions. *Journal of the American Chemical Society*, **1976**, 98, 2251-2254	16.4	6
167	Stable carbonium ions. CII. Bicyclo[3.3.0]-1-octyl cation and its preferential formation from bicyclo[3.2.1]- and -[2.2.2] octyl systems under long-lived ion conditions. *Journal of the American Chemical Society*, **1970**, 92, 1432-1434	16.4	6
166	Stable carbocations. CLII. Protonation of halophenols and haloanisoles in superacids. *Journal of Organic Chemistry*, **1973**, 38, 2212-2221	4.2	6
165	Calculational study of fluoroammonium and related cations and dications. *Chemistry - A European Journal*, **2009**, 15, 8443-8	4.8	5
164	Poly(4-vinylpyridine) catalyzed selective methanolysis of methyl and methylene bromides. *Tetrahedron Letters*, **2009**, 50, 6016-6018	2	5
163	Trimethylperoxonium Ion, CH3OO(CH3)2+ 1. *Journal of the American Chemical Society*, **1997**, 119, 9572-9573	16.4	5
162	Theoretical Investigation of Superelectrophilic Fluorooxonium Dications FOH32+ and F2OH22+: Comparison with Parent H4O2+ Dication 1. *Journal of Physical Chemistry A*, **2004**, 108, 4036-4039	2.8	5
161	Alkylation215-283		5
160	XH42+Dications and Search for XH43+Trications (X = N, P, and As)□ *Journal of Physical Chemistry A*, **1998**, 102, 8457-8459	2.8	5
159	1H and 13C NMR Spectroscopic Investigation of Long-Lived Ortho- and Meta-Substituted Di-(1-adamantyl)benzyl Cations: Highly Deshielded Crowded Benzylic Cationic Centers. *Journal of Organic Chemistry*, **1995**, 60, 7355-7356	4.2	5
158	Stable carbocations. 292. 2-Methylbicyclo[3.2.2]non-3-en-2-yl cation involving rearrangement of 1,3'-spirocyclopropylbicyclo[2.2.2]oct-2'-yl cation. *Journal of Organic Chemistry*, **1993**, 58, 7622-7623	4.2	5
157	Selective Electrochemical Trimethylsilylation of Tetrachlorocyclopropene to 1-(Trimethylsilyl)-trichlorocyclopropene, a New Cyclopropene Building Block1. *Synlett*, **1994**, 1994, 819-820	2.2	5
156	Long-Lived Cyclopropylcarbinyl Cations813-859		5

155	Tris(1-adamantyl)methyl cation: a most highly crowded persistent carbocation. *Journal of the American Chemical Society*, **1990**, 112, 6422-6423	16.4	5
154	The structure of tetrahydrobinor-S (pentacyclo[8.4.0.02,6.03,8.09,13]tetradecane) based on carbon-carbon connectivity two-dimensional NMR study. *Journal of Organic Chemistry*, **1985**, 50, 3005-3006	4.2	5
153	Substituent effects on one-bond 13C-13C NMR coupling constants in aromatic carbonyl compounds. *Journal of Organic Chemistry*, **1985**, 50, 3059-3062	4.2	5
152	Stable carbocations. 221. Study of the highly strained bicyclo[1.1.1]pentyl cations under stable ion conditions. *Journal of the American Chemical Society*, **1979**, 101, 3932-3934	16.4	5
151	Stable carbocations. Part 235. Solvolytic and stable ion studies of 1,1'-diadamantylmethyl cations. *Journal of Organic Chemistry*, **1982**, 47, 1040-1047	4.2	5
150	Stable carbonium ions. LX. Protonated alpha,beta-unsaturated carboxylic acids and their cleavage to alkenyloxocarbonium ions. *Journal of the American Chemical Society*, **1968**, 90, 405-8	16.4	5
149	Stable carbonium ions. XC. The octamethylbicyclo[3.3.0]octadienyl dication, a dihydropentalene dication. *Journal of the American Chemical Society*, **1969**, 91, 3380-3382	16.4	5
148	Stable carbonium ions. CIII. Ring contraction and transannular bond formation in medium-ring cycloalkyl cations. *Journal of the American Chemical Society*, **1970**, 92, 4137-4139	16.4	5
147	Onium ions. V. Di- and trihalonium ions. *Journal of Organic Chemistry*, **1973**, 38, 367-372	4.2	5
146	Aromatic Substitution. XXIV.1 The Alkylation of Toluene and Benzene via Diazotization of Amines with Nitrosonium Salts. *Journal of the American Chemical Society*, **1965**, 87, 5785-5786	16.4	5
145	Stable carbonium ions. XLVI. Protonated acetyland benzoylpyridinium ions. *Journal of the American Chemical Society*, **1967**, 89, 4736-4738	16.4	5
144	Ab Initio/GIAO-CCSD(T) investigation of 11B13C NMR chemical shift relationships in trifluoro- and trihydridoborate anions and their isoelectronic neutral alkane derivatives. *Journal of Organometallic Chemistry*, **2015**, 798, 229-233	2.3	4
143	C7H12(2+): a prototype hexacoordinate carbonium ion. *Journal of Physical Chemistry A*, **2012**, 116, 756-60	2.8	4
142	Triprotonated Hydrogen Sulfide: Pentacoordinate Sulfonium Trication SH3+5 and the Search for its Parent Pentacoordinate Oxonium Trication OH3+5. *Chemistry - A European Journal*, **1997**, 3, 1039-1041	4.8	4
141	Comparative ab initio/GIAO-CCSD(T) study of protonated propionaldehyde, isobutyraldehyde and pivalaldehyde cations and their superelectrophilic diprotonated dications. *Journal of Molecular Structure*, **2008**, 890, 9-17	3.4	4
140	Palladium-katalysierte Reduktion von Mehrfachbindungen mit Mg/CH3OH. *Angewandte Chemie*, **2006**, 93, 107-107	3.6	4
139	Superelectrophilic protio methyl- and protio dimethylmethyleniminium dications. *Journal of Organic Chemistry*, **2002**, 67, 8547-51	4.2	4
138	Structures of XH4 + and XH6 + (X = B, Al and Ga) Cations. *Journal of Molecular Modeling*, **2000**, 6, 213-216	2	4

137	Structure and energies of CH2X+ (X?NH2, PH2, OH, SH, F and Cl) cations and their protonated CH2XH2+ and CH3X2+ dications. *Computational and Theoretical Chemistry*, **1999**, 466, 245-255		4
136	Role of Protosolvation in Nitrations with Superacidic Systems. *ACS Symposium Series*, **1996**, 10-18	0.4	4
135	Stable carbocations. 283. Carbon-13 NMR spectroscopic investigation of tertiary spiro[cyclopropane-3'-norbornan]-2'-yl cations and their rearrangements. *Journal of Organic Chemistry*, **1992**, 57, 1114-1118	4.2	4
134	Highly Regioselective Nitration of Hexamethylbenzene and Its Derivatives to Dinitroprehnitene with Excess Nitronium Tetrafluoroborate. *Helvetica Chimica Acta*, **1990**, 73, 1167-1170	2	4
133	Electrophilic reactions at multiple bonds. 4. Chlorination of perchloro-1,3-butadiene and perchlorocyclopentadiene with chlorine/antimony pentafluoride/fluorosulfuryl chloride at -78.degree.C to their stable perchloroallylic cations. *Journal of the American Chemical Society*, **1990**, 112, 3920-3921	16.4	4
132	One bond 13C-19F coupling constant as a criterion for fluorine back donation to an electron deficient carbocationic center. application of the tool of increasing electron demand to α-fluorodiaryl carbenium ions [1]. *Journal of Fluorine Chemistry*, **1988**, 40, 319-329	2.1	4
131	C-Scrambling in the tert-Butyl Cation. *Angewandte Chemie International Edition in English*, **1983**, 22, 50-51		4
130	Structure of .omega.-arylalkyl radicals: a carbon-13 CIDNP investigation. *Journal of Organic Chemistry*, **1983**, 48, 955-963	4.2	4
129	The purported 2-methylbicyclo[3.2.2]nonatrienyl cation. *Journal of Organic Chemistry*, **1981**, 46, 3751-3752	4.2	4
128	Stable carbocations. CLXVII. Protonation and cleavage of acetylsalicylic acid and isomeric hydroxybenzoic acids in fluorosulfuric acid-antimony pentafluoride (Magic Acid) solution. *Journal of Organic Chemistry*, **1974**, 39, 1307-1308	4.2	4
127	Onium ions. XIV. Evidence for the formation of benzochlorophenium ions. *Journal of Organic Chemistry*, **1975**, 40, 1107-1110	4.2	4
126	Friedel-Crafts isomerization. XVI. Aluminum chloride-catalyzed isomerization of cyclopropylcarbinyl and cyclobutyl chlorides. *Journal of the American Chemical Society*, **1968**, 90, 6468-6476	16.4	4
125	Stable carbonium ions. CXVI. Sulfonyl halide-antimony pentafluoride complexes and study of protonation and cleavage of sulfonyl halides in fluorosulfuric acid-antimony pentafluoride-sulfuryl chloride fluoride solution. *Journal of Organic Chemistry*, **1970**, 35, 3925-3928	4.2	4
124	Stable carbocations. CXXII. Diprotonation of allophanates and their cleavage reactions to alkylcarbenium ions and diprotonated allophanic acid in fluorosulfuric acid-antimony pentafluoride ("magic acid") solution. *Journal of Organic Chemistry*, **1971**, 36, 3582-3584	4.2	4
123	Friedel-Crafts Isomerization. XI.1 Aluminum Chloride Catalyzed Isomerization of the Haloethylbenzenes. *Journal of Organic Chemistry*, **1965**, 30, 541-544	4.2	4
122	Ab initio/GIAO-CCSD(T) (13)C NMR study of the rearrangement and dynamic aspects of rapidly equilibrating tertiary carbocations, C6H13(+) and C7H15(+). *Journal of Computational Chemistry*, **2016**, 37, 70-7	3.5	3
121	Direct synthesis of 2-/3-(trifluoromethyl)thiochroman-4-ones: Superacid-induced tandem alkylation-cyclic acylation of benzenethiols using 2-/3-(trifluoromethyl)acrylic acid. *Journal of Fluorine Chemistry*, **2017**, 196, 63-66	2.1	3
120	Ab initio/GIAO-CCSD(T) calculated 13C-11B NMR chemical shift relationships in isoelectronic hypercoordinate carbonium and boronium as well as carbenium and borenium ions. *Journal of Physical Chemistry A*, **2013**, 117, 4664-8	2.8	3

119	Das endo-3,10-Dimethyltricyclo[5.2.1.02,6]deca-4,8-dien-3,10-diyl-Dikation, ein neuartiges Bishomoaryl/Allyl-Dikation, und seine Umlagerung in das symmetrische cis-anti-cis-3,10-Dimethyltricyclo[5.3.0.02,6]deca-4,8-dien-3,10-diyl-Dikation. *Angewandte Chemie*, **2006**, 95, 726-727	3.6	3
118	42. Vanadium Dichloride Solution. *Inorganic Syntheses*, **2007**, 185-187		3
117	Theoretical study of AlH(2+)n (n=1-7) dications. *Journal of Molecular Modeling*, **2006**, 12, 559-62	2	3
116	GIAO-MP2/SCF/DFT Calculated NMR Chemical Shift Relationships in Isostructural Onium Ions Containing Hypercoordinate Boron, Carbon, Aluminum, and Silicon Atoms. *Journal of Physical Chemistry A*, **2004**, 108, 8456-8459	2.8	3
115	Hydrocarbons from Petroleum and Natural Gas30-84		3
114	Oligomerization and Polymerization723-806		3
113	DFT investigation of the tri(amino)amine N(NH(2))(3)(2+) and the tri(azido)amine N(N(3))(3)(2+) dications and related mixed amino(azido)ammonium ions (N(3))(x)N(NH(2))(4-x)(+) (x = 0-4)(1). *Inorganic Chemistry*, **2002**, 41, 5589-92	5.1	3
112	Direct one step preparation and 13C-NMR spectroscopic characterization of alpha-ferrocenyl carbocations derived from ferrocene and carbonyl compounds in trifluoroacetic acid medium1a. *Journal of the Brazilian Chemical Society*, **1999**, 10, 313-316	1.5	3
111	Preparation, 1H and 13C NMR, and ab initio/IGLO study of mono-O-protonated deltic acid and theoretical investigation of di-, tri-, and tetra-O-protonated deltic acids. *Canadian Journal of Chemistry*, **1999**, 77, 525-529	0.9	3
110	The low pressure Fischer polymerization of ethylene with aluminum + aluminum chloride + titanium tetrachloride revisited. *Macromolecules*, **1987**, 20, 2972-2976	5.5	3
109	The endo-3,10-Dimethyltricyclo[5.2.1.02,6]deca-4,8-dien-3,10-diyl Dication, A Novel Bishomoaromatic/Allylic Dication and its Rearrangement to the Symmetrical cis-anti-cis-3,10-Dimethyltricyclo[5.3.0.02,6]deca-4,8-dien-3,10-diy1 Dication. *Angewandte Chemie International Edition in English*, **1983**, 22, 712-713		3
108	Stabile Carbokationen, 245. Cyancarboxonium-Ionen. *Chemische Berichte*, **1983**, 116, 103-108		3
107	Onium ions. 28. Methyl(4-diazoniophenyloxonium dication: a diazonium oxonium dication. *Journal of Organic Chemistry*, **1985**, 50, 3006-3007	4.2	3
106	Onium ions. XI. Cyclopentenebromonium ion, a bicyclic halonium ion. *Journal of the American Chemical Society*, **1974**, 96, 8112-8113	16.4	3
105	Stable carbocations. CC. Carbon-13 and proton NMR study of protonated pentacyclo[5.3.0.02,5.03,9.04,8]decan-6-one, a model 1,3-bishomocubyl cation. Attempted preparation of the parent and alkyl- (aryl-) substituted ions and their opening to 3-substituted endo-tricyclo[5.2.1.02,6]deca-4,8-dienyl. *Journal of Organic Chemistry*, **1976**, 41, 2820-2823	4.2	3
104	Stable carbonium ions. LXXXII. Protonation and cleavage of N-alkoxy-carbonyl-substituted amino acids in strong acid solution. *Journal of Organic Chemistry*, **1970**, 35, 313-316	4.2	3
103	Stable carbonium ions. CXIII. 2-Halonorbornyl cations and protonated 4-halonortricyclenes. *Journal of the American Chemical Society*, **1970**, 92, 5531-5533	16.4	3
102	Additions and Corrections - Chemistry in Super Acids. III. Protonation of Alkanes and the Intermediacy of Alkanonium Ions, Pentacoordinated Carbon Cations of the CH5+ Type. Hydrogen Exchange, Protolytic Cleavage, Hydrogen Abstraction, and Polycondensation of Methane, Ethane, 2,2-Dimethylpropane (Neopentane), and 2,2,3,3-Tetramethylbutane in FSO3H-SbF5 ("Magic Acid") Solution. *Journal of the American Chemical Society*, **1970**, 92, 1107-1107	16.4	3

101	Stable carbonium ions. XCIV. Diprotonate ketocarboxylic acids and keto esters and their cleavage to protonated ketooxocarbonium ions in fluorosulfuric acid-antimony pentafluoride solution. *Journal of Organic Chemistry*, **1970**, 35, 2159-2164	4.2	3
100	Stable carbocations. CLI. Protonation of cyclic carboxylic acid anhydrides in fluorosulfuric acid-antimony pentafluoride ("magic acid")-sulfur dioxide solution. *Journal of Organic Chemistry*, **1973**, 38, 3207-3212	4.2	3
99	Stable carbocations. CLVI. Dealkylative formation of the tert-butyl cation from substituted tert-butylbenzenes with fluoroantimonic acid. *Journal of Organic Chemistry*, **1973**, 38, 3221-3223	4.2	3
98	Comparative study of alkane dications (protonated alkyl cations, C(n)H(2n+2)2+) and their isoelectronic boron cation analogues. *Journal of Organic Chemistry*, **2013**, 78, 1747-52	4.2	2
97	Complexes of guanidinium ion (NH2)3C+ with super Lewis acidic XH4+(X = B and Al): comparison with XH3 complexes and protonated and methylated guanidinium dications. *Inorganic Chemistry*, **2003**, 42, 8059-64	5.1	2
96	Carbonylation371-406		2
95	Copper(II) Chloride Catalyzed Carboxydediazoniation of Arenediazonium Tetrafluoroborates with Carbon Monoxide in Aqueous Dioxane Solution to Arenecarboxylic Acids1. *Synlett*, **1990**, 1990, 596-598	2.2	2
94	Heterogeneous catalysis by solid superacids. 24. Antimony pentafluoride-graphite catalyzed oxidative conversion of methyl halides with copper oxides (or copper/oxygen) to dimethyl ether. *Journal of Organic Chemistry*, **1990**, 55, 4289-4293	4.2	2
93	Azidocarboxonium Ions. *Chemische Berichte*, **1983**, 116, 3926-3930		2
92	Stable carbocations. CLXVIII. Protonation and cleavage of dialkyl pyrocarbonates in fluorosulfuric acid-antimony pentafluoride (magic acid)-sulfur dioxide solution. *Journal of Organic Chemistry*, **1974**, 39, 2390-2393	4.2	2
91	Radical reactions. II. Lewis base catalyzed anti-Markovnikov addition of hydrogen bromide to alkenes. *Journal of Organic Chemistry*, **1974**, 39, 3478-3481	4.2	2
90	Stable carbonium ions. CXVII. Protonation of sulfites and sulfates and their cleavage reactions in fluorosulfuric acid-antimony pentafluoride solution. *Journal of Organic Chemistry*, **1970**, 35, 3929-3932	4.2	2
89	Fluorinations with Pyridinium Polyhydrogen Fluoride Reagent: 1-Fluoroadamantane75-75		2
88	Selective Monohalogenation of Methane over Supported Acid or Platinum Metal Catalysts and Hydrolysis of Methyl Halides over γ-Alumina-Supported Metal Oxide/Hydroxide Catalysts: A Feasible Path for the Oxidative Conversion of Methane into Methyl Alcohol/Dimethyl Ether. *World*		1
87	Mechanism of the anionic polymerization of methyl methacrylate initiated by tetramethylammonium triphenylmethide in tetrahydrofuran. *Journal of Polymer Science Part A*, **2004**, 42, 237-244	2.5	1
86	Isomerization160-214		1
85	General Aspects1-29		1
84	Oxidation Oxygenation427-575		1

83	ReductionHydrogenation619-695		1
82	Electrophilic modification of polystyrene nanospheres. *Journal of Nanoscience and Nanotechnology*, **2005**, 5, 397-403	1.3	1
81	Theoretical Study of SiH2n2+ (n = 1) Dications1. *Inorganic Chemistry*, **1999**, 38, 4132-4134	5.1	1
80	Synthetic Methods and Reactions. 62: Transformations with Chlorotrimethylsilane/Sodium Iodide, a Convenient in Situ Iodotrimethylsilane Reagent. *World Scientific Series in 20th Century Chemistry*, **2003**, 889-893		1
79	Triethylsilyl Cations. *Science*, **1994**, 263, 983-984	33.3	1
78	Triethylsilyl Cations. *Science*, **1994**, 263, 983-984	33.3	1
77	Direct Preparation of Trifluoromethyl Ketones from Carboxylic Esters: Trifluoromethylation with (Trifluoromethyl)trimethylsilane **1998**, 37, 820		1
76	Stereoselective Nucleophilic Trifluoromethylation of N-(tert-Butylsulfinyl)imines by Using Trimethyl(trifluoromethyl)silane Support of our work by Loker Hydrocarbon Research Institute is gratefully acknowledged.. *Angewandte Chemie - International Edition*, **2001**, 40, 589-590	16.4	1
75	Efficient One-Pot Synthesis of Novel Fluorinated Heterocycles Using Trimethylsilyl Trifluoromethanesulfonate as a Metal-Free Homogeneous Lewis Acid Catalyst. *ACS Symposium Series*, **2009**, 59-83	0.4	0
74	Paul von RaguSchleyer (1930-2014). *Angewandte Chemie - International Edition*, **2015**, 54, 2322-3	16.4	
73	Triprotonated Methane, CH73+: The Parent Heptacoordinate Carbonium Ion. *World Scientific Series in 20th Century Chemistry*, **2003**, 637-638		
72	Fluoride-Induced Trifluoromethylation of Carbonyl Compounds with Trifluoromethyltrimethylsilane (TMS-CF3): A Trifluoromethide Equivalent. *World Scientific Series in 20th Century Chemistry*, **2003**, 1027-1029		
71	Boron, Aluminum, and Gallium Tris(trifluoromethanesulfonate) (Triflate): Effective New FriedelCrafts Catalysts. *World Scientific Series in 20th Century Chemistry*, **2003**, 169-174		
70	SUPERACIDS. *World Scientific Series in 20th Century Chemistry*, **2003**, 559-568		
69	Electrophilic and free radical nitration of benzene and toluene with various nitrating agents. *World Scientific Series in 20th Century Chemistry*, **2003**, 966-970		
68	Synthesis from C1 Sources85-159		
67	Addition284-370		
66	Metathesis696-722		

65 Acylation407-426

64 Heterosubstitution576-618

63 Emerging Areas and Trends807-826

62 ORGANOPHOSPHORUS COMPOUNDS: IX. DIARYL PHOSPHOROFLUORIDATES AND DIARYL PHOSPHOROFLUORIDOTHIOATES. *Canadian Journal of Chemistry*, **1962**, 40, 1917-1920 0.9

61 Superacid-Catalyzed Formylation of Aromatics with Carbon Monoxide. *World Scientific Series in 20th Century Chemistry*, **2003**, 88-91

60 Mechanism of the Reaction of Methylene with Benzene: A Study of Kinetic Hydrogen Isotope Effects and Theoretical Calculations. *World Scientific Series in 20th Century Chemistry*, **2003**, 1265-1269

59 Dehydration of alcohols to ethers over Nafion-H, a solid perfluoroalkanesulfonic acid resin catalyst. *World Scientific Series in 20th Century Chemistry*, **2003**, 617-620

58 13C-NMR Study of Protonated Thioketones in Superacids Media: Significance of Mercaptocarbenium Ion Contributions. *World Scientific Series in 20th Century Chemistry*, **2003**, 389-390

57 Bridgehead Adamantyl, Diamantyl, and Related Cations and Dications. *World Scientific Series in 20th Century Chemistry*, **2003**, 247-255

56 Synthetic Methods and Reactions. 63: Pyridinium Poly(hydrogen fluoride) (30% Pyridine□70% Hydrogen Fluoride): A Convenient Reagent for Organic Fluorination Reactions. *World Scientific Series in 20th Century Chemistry*, **2003**, 1010-1019

55 15N NMR Spectroscopic Investigation of Nitrous and Nitric Acids in Sulfuric Acid Solutions of Varying Acidities. *World Scientific Series in 20th Century Chemistry*, **2003**, 744-747

54 High-Field 1H and 13C NMR Spectroscopic Study of the 2-Norbornyl Cation. *World Scientific Series in 20th Century Chemistry*, **2003**, 510-513

53 13C NMR Spectroscopic Study of Potential Tris- and Bishomocyclopropenyl Cations. *World Scientific Series in 20th Century Chemistry*, **2003**, 529-533

52 Formic Anhydride. *World Scientific Series in 20th Century Chemistry*, **2003**, 900-900

51 Superacid-Catalyzed Near-Quantitative Isomerization of C4n+6H4n+12 (n = 1-3) Polycyclic Precursors to Diamondoid Cage Hydrocarbons Promoted by 1-Haloadamantanes and Sonication. *World Scientific Series in 20th Century Chemistry*, **2003**, 1289-1292

50 Hexa-, Hepta-, and Octacoordinate Boronium Ions: BH6+, BH72+, and BH83+. *World Scientific Series in 20th Century Chemistry*, **2003**, 795-798

49 Onium Ions. 34: The Methoxydiazonium Ion: Preparation, 1H, 13C, and 15N NMR and IR Structural Studies, Theoretical Calculations, and Reaction with Aromatics. Attempted Preparation and the Intermediacy of the Hydroxydiazonium Ion. *World Scientific Series in 20th Century Chemistry*, **2003**, 754-757

48 Trimethylperoxonium Ion, CH3OO(CH3)2+1. *World Scientific Series in 20th Century Chemistry*, **2003**, 723-724

47 Halocarbonyl Cations. *World Scientific Series in 20th Century Chemistry*, **2003**, 340-342

46 Search for Long-Lived 1,3-Carbodications and Preparation of the Persistent 1,1,3,3-Tetracyclopropyl-1,3-propanediyl Dication. *World Scientific Series in 20th Century Chemistry*, **2003**, 433-437

45 Oxyfunctionalization of Hydrocarbons. 15: Electrophilic Hydroxylation of Aromatics with Sodium Perborate/Trifluoromethanesulfonic Acid. *World Scientific Series in 20th Century Chemistry*, **2003**, 98-99

44 Heterogeneous Gas-Phase Ethylation of Methane with Ethylene over Solid Superacids: A 13C Isotope Tracer Study. *World Scientific Series in 20th Century Chemistry*, **2003**, 680-682

43 Carbanions. 3: Nuclear Magnetic Resonance Spectroscopic and Theoretical Study of Homoaromaticity in Cyclohexadienyl Anions. *World Scientific Series in 20th Century Chemistry*, **2003**, 1249-1254

42 Pagodane Dication, a Unique 2□Aromatic Cyclobutanoid System. *World Scientific Series in 20th Century Chemistry*, **2003**, 480-482

41 Comparison of the nitration of polyfluoronitrobenzenes by nitronium salts in superacidic and aprotic media: Activation of the nitronium ion by protosolvation. *World Scientific Series in 20th Century Chemistry*, **2003**, 980-982

40 13C NMR Spectroscopic Study of □Substituted Tris(ethynyl)methyl Cations. *World Scientific Series in 20th Century Chemistry*, **2003**, 284-285

39 On the Existence of Pentacoordinated Nitrogen. *World Scientific Series in 20th Century Chemistry*, **2003**, 761-762

38 Trisilyloxonium Ions: Preparation, NMR Spectroscopy, ab Initio/IGLO Studies, and Their Role in Cationic Polymerization of Cyclosiloxanes. *World Scientific Series in 20th Century Chemistry*, **2003**, 725-729

37 Onium Ions. 21: Cyclopropylhalonium Ions. *World Scientific Series in 20th Century Chemistry*, **2003**, 786-788

36 Silylcarboxonium and Silyloxonium Ion Intermediates of the Cationic Ring-Opening Polymerization of Lactones and Tetrahydrofuran Initiated by Electrophilic Trimethylsilylating Agents. *World Scientific Series in 20th Century Chemistry*, **2003**, 1161-1165

35 Triphenylsilyl Perchlorate Revisited: 29Si and 35Cl 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. *World Scientific Series in 20th Century Chemistry*, **2003**, 1112-1115

34 Variation of isomer distribution in electrophilic nitration of toluene, anisole, and o-xylene: Independence of high regioselectivity from reactivity of reagent. *World Scientific Series in 20th Century Chemistry*, **2003**, 971-974

33 13C NMR and ab Initio/IGLO Study of Protonated Oxocarbons: Poly-O-protonated Squaric, Croconic, and Rhodizonic Acids and Their Aromatic Nature. Preparation and Study of Tetrahydroxy- and Diaminodihydroxyethene Dications. *World Scientific Series in 20th Century Chemistry*, **2003**, 327-332

32 Tris(1-adamantyl)methyl Cation: A Most Highly Crowded Persistent Carbocation. *World Scientific Series in 20th Century Chemistry*, **2003**, 258-259

31 The Tetrahydridosulfonium Dication, H4S2+: Hydrogen□Deuterium Exchange of DH2S+ in FSO3D:SbF5 and D2HS+ In FSO3H:SbF5 and Theoretical Calculations. *World Scientific Series in 20th Century Chemistry*, **2003**, 841-843

30 Oxyfunctionalization of Hydrocarbong. 14: Electrophilic Hydroxylation of Aromatics with Bis(trimethylsilyl) Peroxide/Triflic Acid. *World Scientific Series in 20th Century Chemistry*, **2003**, 95-97

29 Superacid coal chemistry 1: HF:BF3 catalysed depolymerization□ionic hydroliquefaction of coals under mild conditions. *World Scientific Series in 20th Century Chemistry*, **2003**, 1202-1209

28 Oxyfunctionalization of Hydrocarbons. 8: Electrophilic Hydroxylation of Benzene, Alkylbenzenes, and Halobenzenes with Hydrogen Peroxide in Superacids. *World Scientific Series in 20th Century Chemistry*, **2003**, 92-94

27 Evidence for the Intermediacy of Pentaphenylethyl and Heptaphenylpropyl Cations in the Reaction of Triphenylmethyl Cation with Diphenyldiazomethane or Diphenylketene. *World Scientific Series in 20th Century Chemistry*, **2003**, 276-279

26 Mild Preparation of Haloarenes by Ipso-Substitution of Arylboronic Acids with N-Halosuccinimides. *World Scientific Series in 20th Century Chemistry*, **2003**, 910-911

25 Geometric and Electronic Structure of C2H62+ (Dimer of Methyl Cation). *World Scientific Series in 20th Century Chemistry*, **2003**, 451-452

24 Superacid-Catalyzed Condensation of Benzaldehyde with Benzene: Study of Protonated Benzaldehydes and the Role of Superelectrophilic Activation. *World Scientific Series in 20th Century Chemistry*, **2003**, 856-859

23 Friedel□rafts Alkylation of Aromatics with 1-Chloronorbornane, 3-Halonoradamantane, and Fluorocubane via Their Reactive sp3-Hybridized Bridgehead Carbocations. *World Scientific Series in 20th Century Chemistry*, **2003**, 66-70

22 My Search for Carbocations and Their Role in Chemistry (Nobel Lecture). *World Scientific Series in 20th Century Chemistry*, **2003**, 201-213

21 Rapidly Equilibrating Unsymmetrically Bridged 1,3,5,7-Tetramethyl- and Rapidly Equilibrating Trivalent 1,2,3,5,7-Pentamethyl-2-adamantyl Cations: Additivity of 13C NMR Chemical Shifts Relating the Classical vs. Nonclassical Nature of Carbocations. *World Scientific Series in 20th Century Chemistry*, **2003**, 539-547

20 Aromatic Substitution. 45: Transfer Nitration of Aromatics with N-Nitropyridinium and Quinolinium Ions. *World Scientific Series in 20th Century Chemistry*, **2003**, 959-962

19 Superacid-Catalyzed Selective Formylation□earrangement of Isoalkanes with Carbon Monoxide to Branched Ketones. *World Scientific Series in 20th Century Chemistry*, **2003**, 686-687

18 From Kekul□s Tetravalent Methane to Five-, Six-, and Seven-Coordinate Protonated Methanes. *World Scientific Series in 20th Century Chemistry*, **2003**, 625-630

17 Diamagnetic Polyanions of the C60 and C70 Fullerenes: Preparation, 13C and 7Li NMR Spectroscopic Observation, and Alkylation with Methyl Iodide to Polymethylated Fullerenes. *World Scientific Series in 20th Century Chemistry*, **2003**, 1263-1264

16 Study of Increasingly Crowded Phenylethanes by 13C NMR Spectroscopy and Molecular Mechanics Calculations. *World Scientific Series in 20th Century Chemistry*, **2003**, 1273-1281

15 Preparation and 13C and 15N NMR Spectroscopic Study of Cyanocarbenium Ions: Substituent Effects on the Extent of Mesomeric Nitrenium Ion Character in Cyanodiphenylmethyl Cations. The Search for Related Stable □Cyanocarbenium Ions. *World Scientific Series in 20th Century Chemistry*, **2003**, 396-399

14 Effective and Mild Ionic Hydrogenation of Carbon Monoxide, Carbon Dioxide, Methyl Alcohol, Formic Acid, Carbonyl Sulfide and Carbon Disulfide to Methane with Sodium Borohydride/Trifluoromethanesulfonic (triflic) Acid. *World Scientific Series in 20th Century Chemistry*

13 Single-Step Reductive Isomerization of Unsaturated Polycyclics to C4n+6H4n+12 Diamondoid Cage Hydrocarbons with Sodium Borohydride/Triflic Acid. *World Scientific Series in 20th Century Chemistry*, **2003**, 904-905

12 Observation of AlCl3-Catalyzed Trialkylsilylation of Benzene and Toluene with Chlorotrialkylsilanes in the Presence of H□ig Bases. *World Scientific Series in 20th Century Chemistry*, **2003**, 102-103

11	2,6-Dimethylmesitylene-2,6-diyl Dication, a Unique Dienyl-Allyl Dication and Its Comparison with Bisallylk Benzene Dication. *World Scientific Series in 20th Century Chemistry*, **2003**, 444-445	
10	Heterogeneous Catalysis by Solid Superacids. 5: Methylation of Benzene and Methylbenzenes with Methyl Alcohol over a Perfluorinated Resinsulfonic Acid (Nafion-H) Catalyst. *World Scientific Series in 20th Century Chemistry*, **2003**, 590-593	
9	Chlorination and Bromination of Fullerenes: Nucleophilic Methoxylation of Polychlorofullerenes and Their Aluminum Trichloride Catalyzed Friedel-Crafts Reaction with Aromatics to Polyarylfullerenes. *World Scientific Series in 20th Century Chemistry*, **2003**, 1293-1295	
8	Preparation, 29Si and 13C NMR and DFT/IGLO studies of silylcarboxonium ions. *World Scientific Series in 20th Century Chemistry*, **2003**, 378-382	
7	The Spiro[2.5]oct-4-yl Cation, a Long-Lived Secondary Cyclohexyl Cation. *World Scientific Series in 20th Century Chemistry*, **2003**, 307-307	
6	Trifluoromethanesulfonic Acid Catalyzed Electrophilic Sulfuration of Alkanes (Cycloalkanes) with Elemental Sulfur to Dialkyl (Dicycloalkyl) Sulfides. *World Scientific Series in 20th Century Chemistry*, **2003**, 937-938	
5	New Synthetic Reagents and Reactions. *World Scientific Series in 20th Century Chemistry*, **2003**, 869-874	
4	Hexahydro-2-(1H)-Azocinone188-188	
3	Formyl Transfer to Grignard Reagents with N-Formylpiperidine: 3-Phenylpropionaldehyde114-114	
2	9,10-Diphenylphenanthrene294-294	
1	sigma-Bishomoconjugation (sigma-Bishomoaromaticity) in 4C/3(2)e Cations-Scope and Limitations This project has been supported by the Deutsche Forschungsgemeinschaft, the Fonds der Chemischen Industrie, and BASF AG. We thank A. Kurscheidt and M. Lutterbeck for technical assistance, Dr. D. Hunkler and Dr. J. Wirth for NMR and MS measurements, and Prof. Dr. T. Bally for access to his (60)Co-gamma-irradiation equipment.. *Angewandte Chemie - International Edition*, **2001**, 40, 911-914	16.4