

# G K Surya Prakash

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2256652/publications.pdf>

Version: 2024-02-01

240  
papers

11,982  
citations

22153

59  
h-index

30922

102  
g-index

254  
all docs

254  
docs citations

254  
times ranked

10290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perfluoroalkylation with Organosilicon Reagents. <i>Chemical Reviews</i> , 1997, 97, 757-786.	47.7	972
2	Air as the renewable carbon source of the future: an overview of CO <sub>2</sub> capture from the atmosphere. <i>Energy and Environmental Science</i> , 2012, 5, 7833.	30.8	549
3	Conversion of CO <sub>2</sub> from Air into Methanol Using a Polyamine and a Homogeneous Ruthenium Catalyst. <i>Journal of the American Chemical Society</i> , 2016, 138, 778-781.	13.7	458
4	Electrochemical CO <sub>2</sub> Reduction: Recent Advances and Current Trends. <i>Israel Journal of Chemistry</i> , 2014, 54, 1451-1466.	2.3	356
5	Selective Fluoroalkylations with Fluorinated Sulfoxides, Sulfoxides, and Sulfides. <i>Accounts of Chemical Research</i> , 2007, 40, 921-930.	15.6	325
6	N-Halosuccinimide/BF <sub>3</sub> ·H <sub>2</sub> O, Efficient Electrophilic Halogenating Systems for Aromatics. <i>Journal of the American Chemical Society</i> , 2004, 126, 15770-15776.	13.7	303
7	Copper-Mediated Difluoromethylation of (Hetero)aryl Iodides and Styryl Halides with Tributyl(difluoromethyl)stannane. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12090-12094.	13.8	290
8	Taming of Fluoroform: Direct Nucleophilic Trifluoromethylation of Si, B, S, and C Centers. <i>Science</i> , 2012, 338, 1324-1327.	12.6	262
9	Colloidal Metal Deposition onto Functionalized Polystyrene Microspheres. <i>Chemistry of Materials</i> , 1999, 11, 2389-2399.	6.7	234
10	Nanostructured silica as a support for regenerable high-capacity organoamine-based CO <sub>2</sub> sorbents. <i>Energy and Environmental Science</i> , 2010, 3, 1949.	30.8	217
11	Integrated CO <sub>2</sub> Capture and Conversion to Formate and Methanol: Connecting Two Threads. <i>Accounts of Chemical Research</i> , 2019, 52, 2892-2903.	15.6	210
12	Manganese-Catalyzed Sequential Hydrogenation of CO <sub>2</sub> to Methanol via Formamide. <i>ACS Catalysis</i> , 2017, 7, 6347-6351.	11.2	203
13	Integrative CO <sub>2</sub> Capture and Hydrogenation to Methanol with Reusable Catalyst and Amine: Toward a Carbon Neutral Methanol Economy. <i>Journal of the American Chemical Society</i> , 2018, 140, 1580-1583.	13.7	203
14	Preparation of Tri- and Difluoromethylsilanes via an Unusual Magnesium Metal-Mediated Reductive Tri- and Difluoromethylation of Chlorosilanes Using Tri- and Difluoromethyl Sulfides, Sulfoxides, and Sulfones. <i>Journal of Organic Chemistry</i> , 2003, 68, 4457-4463.	3.2	168
15	Preparation of 3,3-Diaryloxindoles by Superacid-Induced Condensations of Isatins and Aromatics with a Combinatorial Approach. <i>Journal of Organic Chemistry</i> , 1998, 63, 4481-4484.	3.2	160
16	Hydroxide Based Integrated CO <sub>2</sub> Capture from Air and Conversion to Methanol. <i>Journal of the American Chemical Society</i> , 2020, 142, 4544-4549.	13.7	146
17	Construction of Asymmetric Fluorinated Carbon Centers. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2172-2174.	13.8	139
18	Direct Preparation of Trifluoromethyl Ketones from Carboxylic Esters: Trifluoromethylation with (Trifluoromethyl)trimethylsilane. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 820-821.	13.8	136

#	ARTICLE	IF	CITATIONS
19	CO <sub>2</sub> capture by amines in aqueous media and its subsequent conversion to formate with reusable ruthenium and iron catalysts. <i>Green Chemistry</i> , 2016, 18, 5831-5838.	9.0	132
20	ipso-Nitration of Arylboronic Acids with Chlorotrimethylsilane <sup>+</sup> Nitrate Salts. <i>Organic Letters</i> , 2004, 6, 2205-2207.	4.6	130
21	New Electrophilic Difluoromethylating Reagent. <i>Organic Letters</i> , 2007, 9, 1863-1866.	4.6	128
22	Single Step Bi-reforming and Oxidative Bi-reforming of Methane (Natural Gas) with Steam and Carbon Dioxide to Metgas (CO-2H <sub>2</sub> ) for Methanol Synthesis: Self-Sufficient Effective and Exclusive Oxygenation of Methane to Methanol with Oxygen. <i>Journal of the American Chemical Society</i> , 2015, 137, 8720-8729.	13.7	128
23	Stereoselective Synthesis of anti-1-(Difluoromethyl)-2-amino Alcohols by Boronic Acid Based Three-Component Condensation. Stereoselective Preparation of (2S,3R)-Difluorothreonine. <i>Journal of Organic Chemistry</i> , 2002, 67, 3718-3723.	3.2	124
24	Mechanistic Insights into Ruthenium-Pincer-Catalyzed Amine-Assisted Homogeneous Hydrogenation of CO <sub>2</sub> to Methanol. <i>Journal of the American Chemical Society</i> , 2019, 141, 3160-3170.	13.7	123
25	Long-Lived Trifluoromethanide Anion: A Key Intermediate in Nucleophilic Trifluoromethylations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11575-11578.	13.8	122
26	Asymmetric Synthesis of Trifluoromethylated Allylic Amines Using 1,2-Unsaturated N-tert-Butanesulfinimines. <i>Organic Letters</i> , 2001, 3, 2847-2850.	4.6	119
27	Stereoselective Synthesis of Trifluoromethylated Vicinal Ethylenediamines with 1,2-Amino N-tert-Butanesulfinimines and TMSCF <sub>3</sub> . <i>Journal of the American Chemical Society</i> , 2002, 124, 6538-6539.	13.7	116
28	BF <sub>3</sub> ·H <sub>2</sub> O Catalyzed Hydroxyalkylation of Aromatics with Aromatic Aldehydes and Dicarboxaldehydes: Efficient Synthesis of Triarylmethanes, Diarylmethylbenzaldehydes, and Anthracene Derivatives. <i>Journal of Organic Chemistry</i> , 2009, 74, 8659-8668.	3.2	112
29	Direct Electrophilic Monofluoromethylation. <i>Organic Letters</i> , 2008, 10, 557-560.	4.6	109
30	Efficient Reversible Hydrogen Carrier System Based on Amine Reforming of Methanol. <i>Journal of the American Chemical Society</i> , 2017, 139, 2549-2552.	13.7	102
31	Alkoxide- and Hydroxide-Induced Nucleophilic Trifluoromethylation Using Trifluoromethyl Sulfone or Sulfoxide. <i>Organic Letters</i> , 2003, 5, 3253-3256.	4.6	101
32	Stereoselective Monofluoromethylation of Primary and Secondary Alcohols by Using a Fluorocarbon Nucleophile in a Mitsunobu Reaction. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4933-4936.	13.8	100
33	Gallium (III) triflate catalyzed efficient Strecker reaction of ketones and their fluorinated analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3703-3706.	7.1	93
34	Electrocatalytic Properties of Nanocrystalline Calcium-Doped Lanthanum Cobalt Oxide for Bifunctional Oxygen Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 967-972.	4.6	92
35	1-Fluoro-2-nitro(phenylsulfonyl)methane as a fluoromethyl pronucleophile: Efficient stereoselective Michael addition to chalcones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4090-4094.	7.1	91
36	Gallium(III) Triflate: An Efficient and a Sustainable Lewis Acid Catalyst for Organic Synthetic Transformations. <i>Accounts of Chemical Research</i> , 2012, 45, 565-577.	15.6	85

#	ARTICLE	IF	CITATIONS
37	Difluoromethyl Phenyl Sulfone as a Selective Difluoromethylene Dianion Equivalent: One-Pot Stereoselective Synthesis of anti-2,2-Difluoropropane-1,3-diols. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5216-5219.	13.8	84
38	<i>ipso</i> -Nitration of Arenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1726-1728.	13.8	83
39	Silica Nanoparticles as Supports for Regenerable CO <sub>2</sub> Sorbents. <i>Energy &amp; Fuels</i> , 2012, 26, 3082-3090.	5.1	82
40	Difluoromethyl Phenyl Sulfone, a Difluoromethylidene Equivalent: Use in the Synthesis of 1,1-Difluoro-1-alkenes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5203-5206.	13.8	80
41	Chlorotrimethylsilane Nitrate Salts as Oxidants: A Direct Oxidative Conversion of Thiols and Disulfides to Sulfonyl Chlorides. <i>Journal of Organic Chemistry</i> , 2007, 72, 5847-5850.	3.2	80
42	Efficient Nucleophilic Fluoromethylation and Subsequent Transformation of Alkyl and Benzyl Halides Using Fluorobis(phenylsulfonyl)methane. <i>Organic Letters</i> , 2009, 11, 1127-1130.	4.6	80
43	A Carbon-Neutral CO <sub>2</sub> Capture, Conversion, and Utilization Cycle with Low-Temperature Regeneration of Sodium Hydroxide. <i>Journal of the American Chemical Society</i> , 2018, 140, 16873-16876.	13.7	79
44	Facile Synthesis of TMS-Protected Trifluoromethylated Alcohols Using Trifluoromethyltrimethylsilane (TMSCF <sub>3</sub> ) and Various Nucleophilic Catalysts in DMF. <i>Journal of Organic Chemistry</i> , 2006, 71, 6806-6813.	3.2	78
45	Nucleophilic Difluoromethylation of Primary Alkyl Halides Using Difluoromethyl Phenyl Sulfone as a Difluoromethyl Anion Equivalent. <i>Organic Letters</i> , 2004, 6, 4315-4317.	4.6	76
46	<i>N</i> -Difluoromethylation of Imidazoles and Benzimidazoles Using the Ruppert "Prakash Reagent" under Neutral Conditions. <i>Organic Letters</i> , 2014, 16, 54-57.	4.6	75
47	Iridium-Catalyzed Continuous Hydrogen Generation from Formic Acid and Its Subsequent Utilization in a Fuel Cell: Toward a Carbon Neutral Chemical Energy Storage. <i>ACS Catalysis</i> , 2016, 6, 7475-7484.	11.2	75
48	Formic Acid As a Hydrogen Storage Medium: Ruthenium-Catalyzed Generation of Hydrogen from Formic Acid in Emulsions. <i>ACS Catalysis</i> , 2014, 4, 311-320.	11.2	72
49	Selective Late-Stage Hydrodefluorination of Trifluoromethylarenes: A Facile Access to Difluoromethylarenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2322-2326.	2.4	71
50	Gallium (III) triflate catalyzed dehydration of aldoximes. <i>Catalysis Letters</i> , 2005, 101, 141-143.	2.6	70
51	Preparation of Tri- and Difluoromethylated Amines from Aldimines Using (Trifluoromethyl)trimethylsilane. <i>Organic Letters</i> , 2006, 8, 3589-3592.	4.6	70
52	Nafion-H catalysed sulfonylation of aromatics with arene/alkenesulfonic acids for the preparation of sulfones. <i>Chemical Communications</i> , 2001, 1696-1697.	4.1	68
53	Oxidation-Resistant, Cost-Effective Epoxide-Modified Polyamine Adsorbents for CO <sub>2</sub> Capture from Various Sources Including Air. <i>ChemSusChem</i> , 2019, 12, 1712-1723.	6.8	67
54	From Difluoromethyl 2-Pyridyl Sulfone to Difluorinated Sulfonates: A Protocol for Nucleophilic Difluoro(sulfonato)methylation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2559-2563.	13.8	66

#	ARTICLE	IF	CITATIONS
55	Convenient Synthesis of Difluoromethyl Alcohols from Both Enolizable and Non-Enolizable Carbonyl Compounds with Difluoromethyl Phenyl Sulfone. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2218-2223.	2.4	65
56	Applicability of linear polyethylenimine supported on nano-silica for the adsorption of CO <sub>2</sub> from various sources including dry air. <i>RSC Advances</i> , 2015, 5, 52550-52562.	3.6	64
57	Direct Access to Acyl Fluorides from Carboxylic Acids Using a Phosphine/Fluoride Deoxyfluorination Reagent System. <i>Organic Letters</i> , 2019, 21, 1659-1663.	4.6	64
58	Silicon-Based Reagents for Difluoromethylation and Difluoromethylenation Reactions. <i>Synthesis</i> , 2017, 49, 3394-3406.	2.3	63
59	CO <sub>2</sub> capture on easily regenerable hybrid adsorbents based on polyamines and mesocellular silica foam. Effect of pore volume of the support and polyamine molecular weight. <i>RSC Advances</i> , 2014, 4, 19403-19417.	3.6	62
60	Direct Difluoromethylenation of Carbonyl Compounds by Using TMSCF <sub>3</sub> : The Right Conditions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4965-4969.	2.4	62
61	A Domino Approach of Heck Coupling for the Synthesis of <i>trans</i> -Trifluoromethylstyrenes. <i>Organic Letters</i> , 2012, 14, 1146-1149.	4.6	59
62	Efficient One-Pot Synthesis of Fluorinated Benzimidazolines, Benzothiazolines, Benzoxazolines, and Dihydrobenzoxazinones Using Gallium(III) Triflate as a Catalyst. <i>Organic Letters</i> , 2007, 9, 179-182.	4.6	56
63	Preparation of Condensed Aromatics by Superacidic Dehydrative Cyclization of Aryl Pinacols and Epoxides 1a. <i>Journal of Organic Chemistry</i> , 1997, 62, 6666-6671.	3.2	55
64	Combined CO <sub>2</sub> Capture and Hydrogenation to Methanol: Amine Immobilization Enables Easy Recycling of Active Elements. <i>ChemSusChem</i> , 2019, 12, 3172-3177.	6.8	54
65	Organo-sulfur molecules enable iron-based battery electrodes to meet the challenges of large-scale electrical energy storage. <i>Energy and Environmental Science</i> , 2014, 7, 2753.	30.8	51
66	A Persistent <i>trans</i> -Fluorocarbanion and Its Analogues: Preparation, Characterization, and Computational Study. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5358-5362.	13.8	50
67	Trihalomethyl Cations and Their Superelectrophilic Activation 1. <i>Journal of the American Chemical Society</i> , 1996, 118, 1446-1451.	13.7	49
68	BF <sub>3</sub> ·2CF <sub>3</sub> CH <sub>2</sub> OH (BF <sub>3</sub> ·2TFE), an Efficient Superacidic Catalyst for Some Organic Synthetic Transformations. <i>Journal of Organic Chemistry</i> , 2006, 71, 3952-3958.	3.2	49
69	Efficient 1,4-addition of <i>trans</i> -substituted fluoro(phenylsulfonyl)methane derivatives to <i>trans</i> , <i>trans</i> -unsaturated compounds. <i>Beilstein Journal of Organic Chemistry</i> , 2008, 4, 17.	2.2	49
70	Nucleophilic Perfluoroalkylation of Imines and Carbonyls: Perfluoroalkyl Sulfones as Efficient Perfluoroalkyl-Transfer Motifs. <i>Organic Letters</i> , 2010, 12, 2932-2935.	4.6	48
71	Advances in Homogeneous Catalysis for Low Temperature Methanol Reforming in the Context of the Methanol Economy. <i>Topics in Catalysis</i> , 2018, 61, 542-559.	2.8	48
72	Fluoroanalogs of DDT: Superacidic BF <sub>3</sub> ·H <sub>2</sub> O Catalyzed Facile Synthesis of 1,1,1-Trifluoro-2,2-diarylethanes and 1,1-Difluoro-2,2-diarylethanes. <i>Organic Letters</i> , 2011, 13, 4128-4131.	4.6	45

#	ARTICLE	IF	CITATIONS
73	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, 3026-3030.	7.1	44
74	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, 15693-15698.	7.1	44
75	Solid acid (superacid) catalyzed regioselective adamantylation of substituted benzenes. Catalysis Letters, 1996, 42, 5-13.	2.6	42
76	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, 2219-2226.	3.2	42
77	<sup>17</sup> O and <sup>13</sup> C NMR/ab Initio/IGLO/GIAO-MP2 Study of Oxonium and Carboxonium Ions (Dications) and Comparison with Experimental Data <sup>1</sup> . Journal of the American Chemical Society, 1997, 119, 8035-8042.	13.7	40
78	Acid-Catalyzed Condensations of Ninhydrin with Aromatic Compounds. Preparation of 2,2-Diaryl-1,3-indanediones and 3-(Diarylmethylene)isobenzofuranones <sup>1</sup> . Journal of Organic Chemistry, 1999, 64, 5152-5155.	3.2	39
79	PVP-SO <sub>2</sub> complex as a solid mild acid catalyst for efficient one pot, three component, Strecker synthesis of α-aminonitriles. Catalysis Letters, 2007, 114, 1-7.	2.6	39
80	Cationic Ring-Opening Polymerization of Cyclosiloxanes Initiated by Electron-Deficient Organosilicon Reagents <sup>1a</sup> . Macromolecules, 1996, 29, 6691-6694.	4.8	38
81	Acid-Catalyzed Isomerization of Pivalaldehyde to Methyl Isopropyl Ketone via a Reactive Protosolvated Carboxonium Ion Intermediate <sup>1</sup> . Journal of the American Chemical Society, 2001, 123, 11556-11561.	13.7	38
82	Gallium (III) Triflate Catalyzed Beckmann Rearrangement. Catalysis Letters, 2005, 103, 165-168.	2.6	38
83	Nucleophilic Trifluoromethylation of Carbonyl Compounds: Trifluoroacetaldehyde Hydrate as a Trifluoromethyl Source. Journal of Organic Chemistry, 2013, 78, 3300-3305.	3.2	38
84	Catalytic Homogeneous Hydrogenation of CO to Methanol via Formamide. Journal of the American Chemical Society, 2019, 141, 12518-12521.	13.7	37
85	Reduced Graphene Oxide Supported Palladium Nanoparticles for Enhanced Electrocatalytic Activity toward Formate Electrooxidation in an Alkaline Medium. ACS Applied Energy Materials, 2019, 2, 7104-7111.	5.1	37
86	A Durable, Inexpensive and Scalable Redox Flow Battery Based on Iron Sulfate and Anthraquinone Disulfonic Acid. Journal of the Electrochemical Society, 2020, 167, 060520.	2.9	37
87	Friedel-Crafts Reactions of Buckminsterfullerene. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 389-405.	0.6	36
88	Difluoro(sulfonato)methylation of N-acyl Sulfanyl Imines Facilitated by 2-Pyridyl Sulfone: Stereoselective Synthesis of Difluorinated α-Amino Sulfonic Acids and Peptidosulfonamides. Angewandte Chemie - International Edition, 2013, 52, 10835-10839.	13.8	36
89	Poly(N-vinylpyrrolidone)-H <sub>2</sub> O <sub>2</sub> and poly(4-vinylpyridine)-H <sub>2</sub> O <sub>2</sub> complexes: solid H <sub>2</sub> O <sub>2</sub> equivalents for selective oxidation of sulfides to sulfoxides and ketones to gem-dihydroperoxides. Green Chemistry, 2014, 16, 3616.	9.0	35
90	Synthetic Methods and Reactions. Part 106. Suppression of anchimerically assisted rearrangement products in the synthesis of α-fluorocarboxylic acids from α-amino acids with 48:52 (w/w) hydrogen fluoride/pyridine [1]. Helvetica Chimica Acta, 1981, 64, 2528-2530.	1.6	34

#	ARTICLE	IF	CITATIONS
91	Conformational Study of 9-Dehydro-9-Trifluoromethyl Cinchona Alkaloids via <sup>19</sup> F NMR Spectroscopy: Emergence of Trifluoromethyl Moiety as a Conformational Stabilizer and a Probe. <i>Journal of the American Chemical Society</i> , 2011, 133, 9992-9995.	13.7	34
92	On the Nature of C <sub>1</sub> -H...F...C Interactions in Hindered CF <sub>3</sub> -C(sp <sup>3</sup> ) Bond Rotations. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11761-11764.	13.8	34
93	Direct Difluorination/Hydroxylation, Trifluorination, and C(sp <sup>2</sup> )-H Fluorination of Enamides. <i>Organic Letters</i> , 2018, 20, 1042-1045.	4.6	33
94	Enantioselective Synthesis of $\beta$ -Stereogenic $\beta$ -Keto Esters via Formal Umpolung. <i>Organic Letters</i> , 2012, 14, 3260-3263.	4.6	32
95	Chemical Aspects of Astrophysically Observed Extraterrestrial Methanol, Hydrocarbon Derivatives, and Ions. <i>Journal of the American Chemical Society</i> , 2016, 138, 1717-1722.	13.7	31
96	One-Pot Conversion of Methane to Light Olefins or Higher Hydrocarbons through H-SAPO-34-Catalyzed in Situ Halogenation. <i>Journal of the American Chemical Society</i> , 2017, 139, 18078-18083.	13.7	31
97	Preparation and NMR Study of Silylated Carboxonium Ions. <i>Journal of Organic Chemistry</i> , 2002, 67, 1297-1301.	3.2	30
98	Efficient green synthesis of $\beta$ -aminonitriles, precursors of $\beta$ -amino acids. <i>Green Chemistry</i> , 2008, 10, 1105.	9.0	30
99	Synthesis of Dihydropyrimidinones/Thiopyrimidinones: Nafion-Ga, an Efficient "Green" Lewis Acid Catalyst for the Biginelli Reaction. <i>Catalysis Letters</i> , 2014, 144, 2012-2020.	2.6	30
100	Regioselective deuteration of alcohols in D <sub>2</sub> O catalysed by homogeneous manganese and iron pincer complexes. <i>Green Chemistry</i> , 2018, 20, 2706-2710.	9.0	30
101	Tertiary Amine/Ethylene Glycol Based Tandem CO <sub>2</sub> Capture and Hydrogenation to Methanol: Direct Utilization of Post-Combustion CO <sub>2</sub> . <i>ChemSusChem</i> , 2020, 13, 6318-6322.	6.8	30
102	Protonated (protosolvated) onium ions (onium dications). <i>Research on Chemical Intermediates</i> , 1989, 12, 141-159.	2.7	29
103	Tris(trimethylsilyl)sulfonium and Methylbis(trimethylsilyl)sulfonium Ions: Preparation, NMR Spectroscopy, and Theoretical Studies. <i>Journal of Organic Chemistry</i> , 2000, 65, 7646-7649.	3.2	29
104	Superacidic Activation of Maleimide and Phthalimide and Their Reactions with Cyclohexane and Arenes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4861-4866.	2.4	29
105	A Domino Approach (Hydrolysis/Dehydrohalogenation/Heck Coupling) for the Synthesis of Styrene Sulfonate Salts. <i>Journal of the American Chemical Society</i> , 2011, 133, 2140-2143.	13.7	29
106	<sup>1</sup> H, <sup>13</sup> C, <sup>15</sup> N NMR and Theoretical Study of Protonated Carbamic Acids and Related Compounds. <i>Journal of Organic Chemistry</i> , 1998, 63, 7993-7998.	3.2	28
107	Protioacyl Dications: Hydrogen/Deuterium Exchange, Rearrangements, and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 1996, 118, 10423-10428.	13.7	27
108	Gallium(III) Triflate Catalyzed Direct Reductive Amination of Aldehydes. <i>Catalysis Letters</i> , 2010, 137, 111-117.	2.6	27

#	ARTICLE	IF	CITATIONS
109	Electrophilic Intermediates and Their Reactions in Superacids. <i>Journal of Organic Chemistry</i> , 2006, 71, 3661-3676.	3.2	26
110	Development of Alkyne-Containing Pyrazolopyrimidines To Overcome Drug Resistance of Bcr-Abl Kinase. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9228-9237.	6.4	26
111	Chemical Formation of Methanol and Hydrocarbon (Organic) Derivatives from CO <sub>2</sub> and H <sub>2</sub> Carbon Sources for Subsequent Biological Cell Evolution and Life's Origin. <i>Journal of the American Chemical Society</i> , 2017, 139, 566-570.	13.7	26
112	Difference and Significance of Regenerative Versus Renewable Carbon Fuels and Products. <i>Topics in Catalysis</i> , 2018, 61, 522-529.	2.8	26
113	Catalyst-Free Regioselective N <sup>2</sup> Arylation of 1,2,3-Triazoles Using Diaryl Iodonium Salts. <i>Organic Letters</i> , 2019, 21, 6255-6258.	4.6	25
114	Catalyst and solvent free microwave-assisted synthesis of substituted 1,2,3-triazoles. <i>Green Chemistry</i> , 2018, 20, 3700-3704.	9.0	24
115	New Solid-Phase Bound Electrophilic Difluoromethylating Reagent. <i>ACS Combinatorial Science</i> , 2007, 9, 920-923.	3.3	23
116	Relevance and Significance of Extraterrestrial Abiological Hydrocarbon Chemistry. <i>Journal of the American Chemical Society</i> , 2016, 138, 6905-6911.	13.7	22
117	Siladifluoromethylation and Deoxo-trifluoromethylation of P <sup>V</sup> H Compounds with TMSCF <sub>3</sub> : Route to P <sup>V</sup> CF <sub>2</sub> Transfer Reagents and CF <sub>3</sub> Compounds. <i>Organic Letters</i> , 2019, 21, 1526-1529.	4.6	22
118	Protonated Borane Lewis Base Complexes BH <sub>4</sub> X <sup>+</sup> (X = NH <sub>3</sub> , PH <sub>3</sub> , H <sub>2</sub> O, H <sub>2</sub> S, CO). <i>Inorganic Chemistry</i> , 1999, 38, 44-47.	4.0	21
119	Search for Long-Lived 1,3-Carbocations and Preparation of the Persistent 1,1,3,3-Tetracyclopropyl-1,3-propanediyl Dication. <i>Journal of the American Chemical Society</i> , 1999, 121, 9994-9998.	13.7	21
120	Superelectrophilic Activation of Crotonic/Methacrylic Acids: Direct Access to Thiochroman-4-ones from Benzenethiols by Microwave-Assisted One-Pot Alkylation/Cyclic Acylation. <i>Organic Letters</i> , 2015, 17, 6170-6173.	4.6	21
121	Renewable Methanol Synthesis through Single Step Bi-reforming of Biogas. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10542-10551.	3.7	21
122	Direct Oxidation of Azides to Nitro Compounds. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 26-28.	13.8	20
123	BF <sub>3</sub> -H <sub>2</sub> O catalyzed Fries rearrangement of phenolic esters. <i>Catalysis Letters</i> , 2007, 114, 24-29.	2.6	20
124	Stereoselective Synthesis of Fluoroalkenoates and Fluorinated Isoxazolidinones: N-Substituents Governing the Dual Reactivity of Nitrones. <i>Chemistry - A European Journal</i> , 2014, 20, 831-838.	3.3	19
125	<sup>13</sup> C-NMR Study of Protonated Thioketones in Superacidic Media: Significance of Mercaptocarbenium Ion Contributions. <i>Angewandte Chemie International Edition in English</i> , 1980, 19, 811-812.	4.4	18
126	Preparation, NMR, and ab initio/GLO Study of Trifluoromethyl-Substituted Carboxonium Ions. <i>Journal of Organic Chemistry</i> , 1996, 61, 1934-1939.	3.2	18



#	ARTICLE	IF	CITATIONS
127	Complexes of CO <sub>2</sub> , COS, and CS <sub>2</sub> with the Super Lewis Acid BH <sub>4</sub> <sup>+</sup> Contrasted with Extremely Weak Complexations with BH <sub>3</sub> :â€‰ Theoretical Calculations and Experimental Relevance <sup>1</sup> . Journal of the American Chemical Society, 1999, 121, 7401-7404.	13.7	18
128	Direct Synthesis of Diverse Î²â€‰Fluoroethylamines by a Multicomponent Protocol. Chemistry - A European Journal, 2013, 19, 3579-3583.	3.3	18
129	Ionomer Significance in Alkaline Direct Methanol Fuel Cell to Achieve High Power with a Quarternized Poly(terphenylene) Membrane. ACS Applied Energy Materials, 2021, 4, 5858-5867.	5.1	18
130	Chemoselective <i>N</i>- and <i>O</i>-Difluoromethylation of 2-Pyridones, Isoquinolinones, and Quinolinones with TMSCF <sub>2</sub> Br. Organic Letters, 2021, 23, 6494-6498.	4.6	18
131	New Nucleophilic Fluoroalkylation Chemistry. ACS Symposium Series, 2005, , 16-56.	0.5	17
132	The Trifluoromethyl Group as a Conformational Stabilizer and Probe: Conformational Analysis of Cinchona Alkaloid Scaffolds. Journal of the American Chemical Society, 2014, 136, 10418-10431.	13.7	17
133	Nafionâ€‰Fe: A New Efficient â€œGreenâ€‰Lewis Acid Catalyst for the Ketonic Strecker Reaction. Catalysis Letters, 2013, 143, 303-312.	2.6	16
134	The Nucleophilicity of Persistent Î±â€‰Monofluoromethide Anions. Angewandte Chemie - International Edition, 2016, 55, 12845-12849.	13.8	15
135	Expedient synthesis of [18F]-labeled Î³-trifluoromethyl ketones. Journal of Labelled Compounds and Radiopharmaceuticals, 2003, 46, 1087-1092.	1.0	14
136	Reduction of Carbonyl to Methylene: Organosilane-Ga(OTf) <sub>3</sub> as an Efficient Reductant System. Catalysis Letters, 2011, 141, 507-511.	2.6	14
137	Preparation and Characterization of trans-1,4-Diazido-1,4-dinitrocyclohexane and exo-2,5-Diazido-endo-2,5-dinitronorbornane: A Stable Geminal Azidoâ€‰Nitro Compounds. Journal of Organic Chemistry, 1997, 62, 1872-1874.	3.2	13
138	Triphenylmethyldifluoramine: a stable reagent for the synthesis of gem-bis(difluoramines). Chemical Communications, 2002, , 1712-1713.	4.1	13
139	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, 6251-6254.	7.1	13
140	1â€‰Oxoniaadamantane. European Journal of Organic Chemistry, 2008, 2008, 4555-4558.	2.4	13
141	<i>N</i>-â€‰Aminoâ€‰1<i>exo</i>-3,6â€‰epoxyâ€‰1,2,3,6â€‰tetrahydrophthalimide as an Active Aminoaziridinating Agent. European Journal of Organic Chemistry, 2009, 2009, 3635-3642.	2.4	13
142	Poly(4-vinylpyridine)-nitrating mixture complex (PVP-NM): solid nitrating mixture equivalent for safe and efficient aromatic nitration. Green Chemistry, 2015, 17, 3446-3451.	9.0	13
143	Aqueous Base Promoted <i>O</i>-Difluoromethylation of Carboxylic Acids with TMSCF <sub>2</sub> Br: Bench-Top Access to Difluoromethyl Esters. Organic Letters, 2019, 21, 9377-9380.	4.6	13
144	Palladium-Catalyzed Reduction of Multiple Bonds with Mg/CH <sub>3</sub> OH. Angewandte Chemie International Edition in English, 1981, 20, 92-93.	4.4	12

#	ARTICLE	IF	CITATIONS
145	Nafion-H catalyzed condensation of acetophenone derivatives. A preparative route of 1,3,5-Triarylbenzenes [1]. Catalysis Letters, 1990, 6, 341-344.	2.6	12
146	Nafion-H catalyzed tert-butylation of aromatic compounds with 2,6-DI(tert-butyl)-p-cresol [1]. Catalysis Letters, 1990, 6, 345-348.	2.6	12
147	Ab Initio Study of XH <sub>2</sub> <sup>+</sup> (X = B, Al, and Ga) Isomers. Journal of Physical Chemistry A, 2000, 104, 2284-2286.	2.5	12
148	Gallium (III) triflate-catalyzed synthesis of heterocycles: quinoxalines, 1,5-benzodiazepines and their fluorinated derivatives. Future Medicinal Chemistry, 2009, 1, 909-920.	2.3	12
149	Tetrafluoric Acid (1,1,2,2-Tetrafluoroethanesulfonic Acid,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (HC<sub>2</sub>F<sub>5</sub>SO <sub>3</sub> H) Organic Synthesis. Advanced Synthesis and Catalysis, 2012, 354, 2163-2171.	4.3	12
150	Structures and Stabilities of B <sub>2</sub> H <sub>2</sub> n <sup>2+</sup> Dications (n= 1~4). Journal of Physical Chemistry A, 2003, 107, 7981-7984.	2.5	11
151	Synthesis and Application of Polystyrene Nanospheres Supported Platinum Catalysts in Enantioselective Hydrogenations. Catalysis Letters, 2011, 141, 1435-1441.	2.6	11
152	Synthesis of Chiral Trifluoromethyl Benzylamines by Heterogeneous Catalytic Reductive Amination. Topics in Catalysis, 2016, 59, 1207-1213.	2.8	11
153	Effects of rigidity on the selectivity of protein kinase inhibitors. European Journal of Medicinal Chemistry, 2018, 146, 519-528.	5.5	11
154	Effect of acid/hydrocarbon ratio, temperature and contact time on the isobutane-isobutylene alkylation with trifluoromethanesulfonic acid. Catalysis Letters, 1996, 40, 137-142.	2.6	10
155	Ab Initio Study of the Structures and Stabilities of the Dimer of Ethyl Cation, (C <sub>2</sub> H <sub>5</sub> <sup>+</sup> ) <sub>2</sub> and Related C <sub>4</sub> H <sub>10</sub> <sup>2+</sup> Isomers. Journal of Organic Chemistry, 2001, 66, 9011-9014.	3.2	10
156	Calculational Study of Fluoroammonium and Related Cations and Dications. Chemistry - A European Journal, 2009, 15, 8443-8448.	3.3	10
157	Lewis Acid Catalyzed Condensation Cyclization Cascade: Direct Synthesis of Di/Trifluoromethyl 1,2,3,4-tetrahydroquinazolines. Chemistry - A European Journal, 2015, 21, 10170-10178.	3.3	10
158	Electrophilic Reactions on Alkanes. , 0, , 609-652.		9
159	Electrophilic Reactions of Phenols. , 0, , 605-660.		9
160	Theoretical Investigation of Superelectrophilic Fluoroxonium Dications FOH <sub>3</sub> <sup>2+</sup> and F <sub>2</sub> OH <sub>2</sub> <sup>2+</sup> : A Comparison with Parent H <sub>4</sub> O <sub>2</sub> <sup>2+</sup> Dication. Journal of Physical Chemistry A, 2004, 108, 4036-4039.	2.5	9
161	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, 5762-5769.	2.5	9
162	Long-Lived Cyclopropylcarbinyl Cations. , 0, , 813-859.		8

#	ARTICLE	IF	CITATIONS
163	Structure, Nature of Bonding, and Charge Distribution in Hydridoborane Dications $BH_n^{2+}$ ( $n = 1\text{--}8$ ) <sup>1a</sup> . <i>Journal of Physical Chemistry A</i> , 2003, 107, 4731-4734.	2.5	8
164	Formation of Secondary or Tertiary Aliphatic Amines in Aqueous Media. <i>Synthetic Communications</i> , 2009, 39, 2859-2865.	2.1	8
165	HPLC separation of hydrogenated derivatives of buckminsterfullerene. <i>Chromatographia</i> , 1998, 48, 59-64.	1.3	7
166	Molecular Structure and Crystal Packing of Monofluoromethoxyarenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3724-3734.	2.4	6
167	Effect of the Cathode Catalyst Layer Thickness on the Performance in Direct Methanol Fuel Cells. <i>Electroanalysis</i> , 2019, 31, 718-725.	2.9	6
168	Preparation, <sup>13</sup> C NMR and IGLO/DFT studies of trifluoromethyl substituted allyl cations. <i>Research on Chemical Intermediates</i> , 1996, 22, 717-724.	2.7	5
169	XH <sub>4</sub> <sup>2+</sup> Dications and Search for XH <sub>3</sub> <sup>+</sup> Trications (X = N, P, and As) <sup>â€</sup> . <i>Journal of Physical Chemistry A</i> , 1998, 102, 8457-8459.	2.5	5
170	Structures of XH <sub>4</sub> <sup>+</sup> and XH <sub>6</sub> <sup>+</sup> (X = B, Al and Ga) Cations. <i>Journal of Molecular Modeling</i> , 2000, 6, 213-216.	1.8	5
171	Preparation of fluorinated RNA nucleotide analogs potentially stable to enzymatic hydrolysis in RNA and DNA polymerase assays. <i>Journal of Fluorine Chemistry</i> , 2014, 167, 226-230.	1.7	5
172	<i>Ab initio</i> GIAO-CCSD(T) <sup>13</sup> C NMR study of the rearrangement and dynamic aspects of rapidly equilibrating tertiary carbocations, C <sub>6</sub> <sup>+</sup> and C <sub>7</sub> <sup>+</sup> . <i>Journal of Computational Chemistry</i> , 2016, 37, 70-77.	3.3	5
173	Hydrothermal Preparation, Crystal Chemistry, and Redox Properties of Iron Muscovite Clay. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 34024-34032.	8.0	5
174	Cyclopentyl, cyclohexyl, and cycloheptyl cations: computational studies of the structures, stability, <sup>13</sup> C NMR chemical shifts, and possible rearrangement pathways. <i>Structural Chemistry</i> , 2017, 28, 317-326.	2.0	5
175	Photochemistry of 2-Nitroarenes: 2-Nitrophenyl- $\beta$ -trifluoromethyl Carbinols as Synthons for Fluoroorganics. <i>Journal of the American Chemical Society</i> , 2019, 141, 15921-15931.	13.7	5
176	Halotrimethylsilane-Nitrite/Nitrate Salts: Efficient and Versatile Reagent System for Diverse Organic Synthetic Transformations. <i>Synlett</i> , 2019, 30, 1037-1047.	1.8	5
177	Reassessing the Necessity of the Drying Step in Hummer's Method for Graphene Oxide Synthesis. <i>Electroanalysis</i> , 2021, 33, 2323-2334.	2.9	5
178	Theendo-3,10-Dimethyltricyclo[5.2.1.0 <sup>2,6</sup> ]deca-4,8-dien-3,10-diyl Dication, A Novel Bishomoaromatic/Allylic Dication and its Rearrangement to the Symmetricalcis-anti-cis-3,10-Dimethyltricyclo[5.3.0.0 <sup>2,6</sup> ]deca-4,8-dien-3,10-diyl Dication. <i>Angewandte Chemie International Edition in English</i> , 1983, 22, 712-713.	4.4	4
179	Role of Protosolvation in Nitrations with Superacidic Systems. <i>ACS Symposium Series</i> , 1996, , 10-18.	0.5	4
180	Catching an Elusive Cation. <i>Science</i> , 1997, 276, 756-757.	12.6	4

#	ARTICLE	IF	CITATIONS
181	Das <i>endo</i> - $\Delta^3,10$ -Dimethyltricyclo[5.2.1.0 <sup>2,6</sup> ]deca-4,8-dien- $\Delta^3,10$ -diyl-Dikation, ein neuartiges Bishomoaryl/Allyl-Dikation, und seine Umlagerung in das symmetrische <i>cis</i> -anti- <i>cis</i> - $\Delta^3,10$ -Dimethyltricyclo[5.3.0.0 <sup>2,6</sup> ]deca-4,8-dien- $\Delta^3,10$ -diyl-Dikation. <i>Angewandte Chemie</i> , 1983, 95, 726-727.	2.0	4
182	42. Vanadium Dichloride Solution. <i>Inorganic Syntheses</i> , 2007, , 185-187.	0.3	4
183	Power optimisation of small scale SPV array using field programmable reconfiguration topology for dynamic non-uniform illumination state. <i>Journal of Engineering</i> , 2020, 2020, 197-206.	1.1	4
184	Environmental Fire Hazard Detection and Prediction using Random Forest Algorithm. , 2022, , .		4
185	Theoretical Study of SiH <sub>2</sub> n <sub>2</sub> +(n= 1~3) Dications1. <i>Inorganic Chemistry</i> , 1999, 38, 4132-4134.	4.0	3
186	Electrophilic Modification of Polystyrene Nanospheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 397-403.	0.9	3
187	Superelectrophilic Activation of Phenylglyoxamides: Efficient Synthesis of Triarylacetamides and Fluorencarboxamides by Superacid Catalysis. <i>Topics in Catalysis</i> , 2018, 61, 652-663.	2.8	3
188	Studies on Long-Lived (Pentafluorosulfanyl)phenyl-Substituted Carbocations. <i>Journal of Organic Chemistry</i> , 2019, 84, 11724-11734.	3.2	3
189	Synthetic Advances in Nucleophilic and Related Tri- and Difluoromethylation Protocols. , 2020, , 93-176.		3
190	<i>gem</i> -Halofluorocyclopropanes via [2 + 1] Cycloadditions of In Situ Generated CFX Carbene with Alkenes. <i>Organic Letters</i> , 2022, 24, 5417-5421.	4.6	3
191	Mimicry with gold. <i>Nature</i> , 1995, 377, 481-482.	27.8	2
192	Cyclobutane dication, (CH <sub>2</sub> ) <sub>4</sub> <sup>2+</sup> : a model for a two-electron four-center (2e-4c) Woodward-Hoffmann frozen transition state. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1475-1479.	2.2	2
193	Triethylsilyl Cations. <i>Science</i> , 1994, 263, 983-984.	12.6	2
194	Mechanism of the anionic polymerization of methyl methacrylate initiated by tetramethylammonium-triphenylmethide in tetrahydrofuran. <i>Journal of Polymer Science Part A</i> , 2004, 42, 237-244.	2.3	1
195	Conformational Studies of Cyclobutylmethyl Cations. <i>ACS Symposium Series</i> , 2007, , 106-117.	0.5	1
196	Efficient One-Pot Synthesis of Novel Fluorinated Heterocycles Using Trimethylsilyl Trifluoromethanesulfonate as a Metal-Free Homogeneous Lewis Acid Catalyst. <i>ACS Symposium Series</i> , 2009, , 59-83.	0.5	1
197	George Andrew Olah. <i>Resonance</i> , 2017, 22, 1111-1153.	0.3	1
198	Protonation of CH <sub>3</sub> N <sub>3</sub> and CF <sub>3</sub> N <sub>3</sub> in Superacids: Isolation and Structural Characterization of Long-Lived Methyl- and Trifluoromethylamino Diazonium Ions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12520-12526.	13.8	1

#	ARTICLE	IF	CITATIONS
199	Direct Preparation of Trifluoromethyl Ketones from Carboxylic Esters: Trifluoromethylation with (Trifluoromethyl)trimethylsilane. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 820-821.	13.8	1
200	Diamagnetic Polyanions of the $C_{60}$ and $C_{70}$ Fullerenes: Preparation, $^{13}C$ and $^7Li$ NMR Spectroscopic Observation, and Alkylation with Methyl Iodide to Polymethylated Fullerenes. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 1263-1264.	0.0	1
201	Face-Mask Detection to Control the COVID-19 Spread Employing Deep Learning Approach. , 2021, , .		1
202	Role of Carbocations in Hydrocarbon Reactions Catalyzed by Strong Acids. <i>ACS Symposium Series</i> , 1994, , 1-15.	0.5	0
203	Fluoride-Induced Trifluoromethylation of Carbonyl Compounds with Trifluoromethyltrimethylsilane ( $TMS-CF_3$ ): A Trifluoromethide Equivalent. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 1027-1029.	0.0	0
204	$^{13}C$ NMR Spectroscopic and Density Functional Theory (DFT), <i>ab Initio</i> , and IGLO Theoretical Study of Protonated Cycloalkylcarboxylic Acids (Carboxonium Ions) and Their Acyl Cations (Oxocarbenium Ions). <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 343-347.	0.0	0
205	SUPERACIDS. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 559-568.	0.0	0
206	A One-Pot Synthesis of Platinum Nanoparticles on Electrochemically Exfoliated Graphite. <i>ChemistrySelect</i> , 2019, 4, 4767-4770.	1.5	0
207	Design Strategy, Modelling and Simulation of MEMS-based micro-tensile Acceleration Sensor for Safety and Arming device. , 2019, , .		0
208	Mechanism of the Reaction of Methylene with Benzene: A Study of Kinetic Hydrogen Isotope Effects and Theoretical Calculations. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 1265-1269.	0.0	0
209	Bridgehead Adamantyl, Diamantyl, and Related Cations and Dications. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 247-255.	0.0	0
210	$^{15}N$ NMR Spectroscopic Investigation of Nitrous and Nitric Acids in Sulfuric Acid Solutions of Varying Acidities. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 744-747.	0.0	0
211	High-Field $^1H$ and $^{13}C$ NMR Spectroscopic Study of the 2-Norbornyl Cation. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 510-513.	0.0	0
212	$^{13}C$ NMR Spectroscopic Study of Potential Tris- and Bishomocyclopropenyl Cations. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 529-533.	0.0	0
213	Trimethylperoxonium Ion, $CH_3OO(CH_3)_2$ . <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 723-724.	0.0	0
214	Halocarbonyl Cations. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 340-342.	0.0	0
215	Search for Long-Lived 1,3-Carbodications and Preparation of the Persistent 1,1,3,3-Tetracyclopropyl-1,3-propanediyl Dication. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 433-437.	0.0	0
216	Oxyfunctionalization of Hydrocarbons. 15: Electrophilic Hydroxylation of Aromatics with Sodium Perborate/Trifluoromethanesulfonic Acid. <i>World Scientific Series in 20th Century Chemistry</i> , 2003, , 98-99.	0.0	0

#	ARTICLE	IF	CITATIONS
217	Pagodane Dication, a Unique 2 <sup>+</sup> -Aromatic Cyclobutanoid System. World Scientific Series in 20th Century Chemistry, 2003, , 480-482.	0.0	0
218	<sup>13</sup> C NMR Spectroscopic Study of <sup>13</sup> -Substituted Tris(ethynyl)methyl Cations. World Scientific Series in 20th Century Chemistry, 2003, , 284-285.	0.0	0
219	Trisilyloxonium Ions: Preparation, NMR Spectroscopy, <i>ab Initio</i> /IGLO Studies, and Their Role in Cationic Polymerization of Cyclosiloxanes. World Scientific Series in 20th Century Chemistry, 2003, , 725-729.	0.0	0
220	Onium Ions. 21: Cyclopropylhalonium Ions. World Scientific Series in 20th Century Chemistry, 2003, , 786-788.	0.0	0
221	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.	0.0	0
222	Triphenylsilyl Perchlorate Revisited: <sup>29</sup> Si and <sup>35</sup> Cl 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.	0.0	0
223	<sup>13</sup> C NMR and <i>ab Initio</i> /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.	0.0	0
224	Tris(1-adamantyl)methyl Cation: A Most Highly Crowded Persistent Carbocation. World Scientific Series in 20th Century Chemistry, 2003, , 258-259.	0.0	0
225	Hydrogen-Deuterium Exchange of <sup>2</sup> D <sub>2</sub> S <sup>+</sup> in <sup>3</sup> FSO <sub>3</sub> D <sub>2</sub> and <sup>2</sup> D <sub>2</sub> HS <sup>+</sup> In <sup>3</sup> FSO <sub>3</sub> H <sub>2</sub> SbF <sub>5</sub> and Theoretical	0.0	0
226	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.	0.0	0
227	Mild Preparation of Haloarenes by <i>ipso</i> -Substitution of Arylboronic Acids with N-Halosuccinimides. World Scientific Series in 20th Century Chemistry, 2003, , 910-911.	0.0	0
228	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.	0.0	0
229	Friedel-Crafts Alkylation of Aromatics with 1-Chloronorbornane, 3-Halonoradamantane, and Fluorocubane via Their Reactive sp <sup>3</sup> -Hybridized Bridgehead Carbocations. World Scientific Series in 20th Century Chemistry, 2003, , 66-70.	0.0	0
230	Rapidly Equilibrating Unsymmetrically Bridged 1,3,5,7-Tetramethyl- and Rapidly Equilibrating Trivalent 1,2,3,5,7-Pentamethyl-2-adamantyl Cations: Additivity of <sup>13</sup> C NMR Chemical Shifts Relating the Classical vs. Nonclassical Nature of Carbocations. World Scientific Series in 20th Century Chemistry, 2003, , 539-547.	0.0	0
231	Superacid-Catalyzed Selective Formylation-Rearrangement of Isoalkanes with Carbon Monoxide to Branched Ketones. World Scientific Series in 20th Century Chemistry, 2003, , 686-687.	0.0	0
232	Preparation and <sup>13</sup> C and <sup>15</sup> N NMR Spectroscopic Study of Cyanocarbenium Ions: Substituent Effects on the Extent of Mesomeric Nitrenium Ion Character in Cyanodiphenylmethyl Cations. The Search for Related Stable $\dot{\pm}$ -Cyanocarbenium Ions. World Scientific Series in 20th Century Chemistry, 2003, , 396-399.	0.0	0
233	Single-Step Reductive Isomerization of Unsaturated Polycyclics to <sup>4n+6</sup> C <sub>4n+12</sub> H <sub>4n+12</sub> Diamondoid Cage Hydrocarbons with Sodium Borohydride/Triflic Acid. World Scientific Series in 20th Century Chemistry, 2003, , 904-905.	0.0	0
234	Observation of AlCl <sub>3</sub> -Catalyzed Trialkylsilylation of Benzene and Toluene with Chlorotrialkylsilanes in the Presence of H <sub>2</sub> /nig Bases. World Scientific Series in 20th Century Chemistry, 2003, , 102-103.	0.0	0

#	ARTICLE	IF	CITATIONS
235	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.	0.0	0
236	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.	0.0	0
237	Preparation, <sup>29</sup> Si and <sup>13</sup> C NMR and DFT/IGLO studies of silylcarboxonium ions. World Scientific Series in 20th Century Chemistry, 2003, , 378-382.	0.0	0
238	The Spiro[2.5]oct-4-yl Cation, a Long-Lived Secondary Cyclohexyl Cation. World Scientific Series in 20th Century Chemistry, 2003, , 307-307.	0.0	0
239	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.	0.0	0
240	SPV Panel Hotspot Thermal Profile Modeling and Characterization with Active Cooling Employing CAD Simulation. , 2022, , .		0