G K Surya Prakash

List of Publications by Year
in descending order

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240 papers	11,982 citations	25423 59 h-index	35168 102 g-index
254 all docs	254 docs citations	254 times ranked	11506 citing authors

#	Article	IF	Citations
1	Environmental Fire Hazard Detection and Prediction using Random Forest Algorithm. , 2022, , .		4
2	SPV Panel Hotspot Thermal Profile Modeling and Characterization with Active Cooling Employing CAD Simulation. , 2022, , .		0
3	gem-Halofluorocyclopropanes via [2 + 1] Cycloadditions of In Situ Generated CFX Carbene with Alkenes. Organic Letters, 2022, 24, 5417-5421.	2.4	3
4	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.	2.5	18
5	Reassessing the Necessity of the Drying Step in Hummer's Method for Graphene Oxide Synthesis. Electroanalysis, 2021, 33, 2323-2334.	1.5	5
6	Chemoselective N- and O-Difluoromethylation of 2-Pyridones, Isoquinolinones, and Quinolinones with TMSCF₂Br. Organic Letters, 2021, 23, 6494-6498.	2.4	18
7	Face-Mask Detection to Control the COVID-19 Spread Employing Deep Learning Approach. , 2021, , .		1
8	Tertiary Amineâ€Ethylene Glycol Based Tandem CO₂ Capture and Hydrogenation to Methanol: Direct Utilization of Postâ€Combustion CO₂. ChemSusChem, 2020, 13, 6318-6322.	3.6	30
9	Power optimisation of small scale SPV array using field programmable reconfiguration topology for dynamic nonâ€uniform illumination state. Journal of Engineering, 2020, 2020, 197-206.	0.6	4
10	Renewable Methanol Synthesis through Single Step Bi-reforming of Biogas. Industrial & Engineering Chemistry Research, 2020, 59, 10542-10551.	1.8	21
11	Protonation of CH 3 N 3 and CF 3 N 3 in Superacids: Isolation and Structural Characterization of Longâ€Lived Methylâ€and Trifluoromethylamino Diazonium Ions. Angewandte Chemie - International Edition, 2020, 59, 12520-12526.	7.2	1
12	Hydroxide Based Integrated CO₂ Capture from Air and Conversion to Methanol. Journal of the American Chemical Society, 2020, 142, 4544-4549.	6.6	146
13	A Durable, Inexpensive and Scalable Redox Flow Battery Based on Iron Sulfate and Anthraquinone Disulfonic Acid. Journal of the Electrochemical Society, 2020, 167, 060520.	1.3	37
14	Synthetic Advances in Nucleophilic and Related Tri- and Difluoromethylation Protocols. , 2020, , 93-176.		3
15	Catalyst-Free Regioselective N² Arylation of 1,2,3-Triazoles Using Diaryl Iodonium Salts. Organic Letters, 2019, 21, 6255-6258.	2.4	25
16	Catalytic Homogeneous Hydrogenation of CO to Methanol via Formamide. Journal of the American Chemical Society, 2019, 141, 12518-12521.	6.6	37
17	Cyclobutane dication, (CH₂)₄²⁺: a model for a two-electron four-center (2e-4c) Woodwardâ€“Hoffmann frozen transition state. Beilstein Journal of Organic Chemistry, 2019, 15, 1475-1479.	1.3	2
18	Integrated CO₂ Capture and Conversion to Formate and Methanol: Connecting Two Threads. Accounts of Chemical Research, 2019, 52, 2892-2903.	7.6	210

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19	Studies on Long-Lived (Pentafluorosulfanyl)phenyl-Substituted Carbocations. Journal of Organic Chemistry, 2019, 84, 11724-11734.	1.7	3
20	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.	2.5	37
21	Photochemistry of 2-Nitroarenes: 2-Nitrophenyl-Î±-trifluoromethyl Carbinols as Synthons for Fluoroorganics. Journal of the American Chemical Society, 2019, 141, 15921-15931.	6.6	5
22	Effect of the Cathode Catalyst Layer Thickness on the Performance in Direct Methanol Fuel Cells. Electroanalysis, 2019, 31, 718-725.	1.5	6
23	A Oneâ€Pot Synthesis of Platinum Nanoparticles on Electrochemically Exfoliated Graphite. ChemistrySelect, 2019, 4, 4767-4770.	0.7	0
24	Halotrimethylsilane-Nitrite/Nitrate Salts: Efficient and Versatile Reagent System for Diverse Organic Synthetic Transformations. Synlett, 2019, 30, 1037-1047.	1.0	5
25	Direct Access to Acyl Fluorides from Carboxylic Acids Using a Phosphine/Fluoride Deoxyfluorination Reagent System. Organic Letters, 2019, 21, 1659-1663.	2.4	64
26	Combined CO₂ Capture and Hydrogenation to Methanol: Amine Immobilization Enables Easy Recycling of Active Elements. ChemSusChem, 2019, 12, 3172-3177.	3.6	54
27	Oxidationâ€Resistant, Costâ€Effective Epoxideâ€Modified Polyamine Adsorbents for CO₂ Capture from Various Sources Including Air. ChemSusChem, 2019, 12, 1712-1723.	3.6	67
28	Mechanistic Insights into Ruthenium-Pincer-Catalyzed Amine-Assisted Homogeneous Hydrogenation of CO₂ to Methanol. Journal of the American Chemical Society, 2019, 141, 3160-3170.	6.6	123
29	Siladifluoromethylation and Deoxo-trifluoromethylation of P^Vâ€“H Compounds with TMSCF₃: Route to P^Vâ€“CF₂^{â€“} Transfer Reagents and Pâ€“CF₃ Compounds. Organic Letters, 2019, 21, 1526-1529.	2.4	22
30	Design Strategy, Modelling and Simulation of MEMS-based micro-tensile Acceleration Sensor for Safety and Arming device. , 2019, , .		0
31	Aqueous Base Promoted O-Difluoromethylation of Carboxylic Acids with TMSCF₂Br: Bench-Top Access to Difluoromethyl Esters. Organic Letters, 2019, 21, 9377-9380.	2.4	13
32	Effects of rigidity on the selectivity of protein kinase inhibitors. European Journal of Medicinal Chemistry, 2018, 146, 519-528.	2.6	11
33	Direct Difluorinationâ€“Hydroxylation, Trifluorination, and C(sp²)â€“H Fluorination of Enamides. Organic Letters, 2018, 20, 1042-1045.	2.4	33
34	Integrative CO₂ Capture and Hydrogenation to Methanol with Reusable Catalyst and Amine: Toward a Carbon Neutral Methanol Economy. Journal of the American Chemical Society, 2018, 140, 1580-1583.	6.6	203
35	Molecular Structure and Crystal Packing of Monofluoromethoxyarenes. European Journal of Organic Chemistry, 2018, 2018, 3724-3734.	1.2	6
36	Advances in Homogeneous Catalysis for Low Temperature Methanol Reforming in the Context of the Methanol Economy. Topics in Catalysis, 2018, 61, 542-559.	1.3	48

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37	Difference and Significance of Regenerative Versus Renewable Carbon Fuels and Products. Topics in Catalysis, 2018, 61, 522-529.	1.3	26
38	A Carbon-Neutral CO₂ Capture, Conversion, and Utilization Cycle with Low-Temperature Regeneration of Sodium Hydroxide. Journal of the American Chemical Society, 2018, 140, 16873-16876.	6.6	79
39	Catalyst and solvent free microwave-assisted synthesis of substituted 1,2,3-triazoles. Green Chemistry, 2018, 20, 3700-3704.	4.6	24
40	Superelectrophilic Activation of Phenylglyoxamides: Efficient Synthesis of Triarylacetamides and Fluorenecarboxamides by Superacid Catalysis. Topics in Catalysis, 2018, 61, 652-663.	1.3	3
41	Regioselective deuteration of alcohols in D₂O catalysed by homogeneous manganese and iron pincer complexes. Green Chemistry, 2018, 20, 2706-2710.	4.6	30
42	Efficient Reversible Hydrogen Carrier System Based on Amine Reforming of Methanol. Journal of the American Chemical Society, 2017, 139, 2549-2552.	6.6	102
43	Selective Lateâ€Stage Hydrodefluorination of Trifluoromethylarenes: A Facile Access to Difluoromethylarenes. European Journal of Organic Chemistry, 2017, 2017, 2322-2326.	1.2	71
44	Chemical Formation of Methanol and Hydrocarbon (â€œOrganicâ€) Derivatives from CO₂ and H₂â€”Carbon Sources for Subsequent Biological Cell Evolution and Lifeâ€™s Origin. Journal of the American Chemical Society, 2017, 139, 566-570.	6.6	26
45	Hydrothermal Preparation, Crystal Chemistry, and Redox Properties of Iron Muscovite Clay. ACS Applied Materials & Interfaces, 2017, 9, 34024-34032.	4.0	5
46	Manganese-Catalyzed Sequential Hydrogenation of CO₂ to Methanol via Formamide. ACS Catalysis, 2017, 7, 6347-6351.	5.5	203
47	Silicon-Based Reagents for Difluoromethylation and Difluoromethylenation Reactions. Synthesis, 2017, 49, 3394-3406.	1.2	63
48	One-Pot Conversion of Methane to Light Olefins or Higher Hydrocarbons through H-SAPO-34-Catalyzed in Situ Halogenation. Journal of the American Chemical Society, 2017, 139, 18078-18083.	6.6	31
49	Cyclopentyl, cyclohexyl, and cycloheptyl cations: computational studies of the structures, stability, 13C NMR chemical shifts, and possible rearrangement pathways. Structural Chemistry, 2017, 28, 317-326.	1.0	5
50	George Andrew Olah. Resonance, 2017, 22, 1111-1153.	0.2	1
51	Synthesis of Chiral Trifluoromethyl Benzylamines by Heterogeneous Catalytic Reductive Amination. Topics in Catalysis, 2016, 59, 1207-1213.	1.3	11
52	Relevance and Significance of Extraterrestrial Abiological Hydrocarbon Chemistry. Journal of the American Chemical Society, 2016, 138, 6905-6911.	6.6	22
53	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.	5.5	75
54	CO₂capture by amines in aqueous media and its subsequent conversion to formate with reusable ruthenium and iron catalysts. Green Chemistry, 2016, 18, 5831-5838.	4.6	132

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55	Direct Difluoromethylenation of Carbonyl Compounds by Using TMSCF₃: The Right Conditions. European Journal of Organic Chemistry, 2016, 2016, 4965-4969.	1.2	62
56	The Nucleophilicity of Persistent Î±â€Monofluoromethide Anions. Angewandte Chemie - International Edition, 2016, 55, 12845-12849.	7.2	15
57	Chemical Aspects of Astrophysically Observed Extraterrestrial Methanol, Hydrocarbon Derivatives, and Ions. Journal of the American Chemical Society, 2016, 138, 1717-1722.	6.6	31
58	Ab initio/GIAOâ€CCSD(T) ¹³C NMR study of the rearrangement and dynamic aspects of rapidly equilibrating tertiary carbocations, C₆ and C₇. Journal of Computational Chemistry, 2016, 37, 70-77.	1.5	5
59	Conversion of CO₂ from Air into Methanol Using a Polyamine and a Homogeneous Ruthenium Catalyst. Journal of the American Chemical Society, 2016, 138, 778-781.	6.6	458
60	Lewis Acid Catalyzed Condensationâ€“Cyclization Cascade: Direct Synthesis of Di/Trifluoromethylâ€1,2,3,4â€tetrahydroquinazolines. Chemistry - A European Journal, 2015, 21, 10170-10178.	1.7	10
61	Applicability of linear polyethylenimine supported on nano-silica for the adsorption of CO₂from various sources including dry air. RSC Advances, 2015, 5, 52550-52562.	1.7	64
62	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.	1.1	9
63	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, 6170-6173.	2.4	21
64	Development of Alkyne-Containing Pyrazolopyrimidines To Overcome Drug Resistance of Bcr-Abl Kinase. Journal of Medicinal Chemistry, 2015, 58, 9228-9237.	2.9	26
65	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, 8720-8729.	6.6	128
66	Poly(4-vinylpyridine)-nitrating mixture complex (PVP-NM): solid nitrating mixture equivalent for safe and efficient aromatic nitration. Green Chemistry, 2015, 17, 3446-3451.	4.6	13
67	Stereoselective Synthesis of Fluoroalkenoates and Fluorinated Isoxazolidinones: Nâ€Substituents Governing the Dual Reactivity of Nitrones. Chemistry - A European Journal, 2014, 20, 831-838.	1.7	19
68	N-Difluoromethylation of Imidazoles and Benzimidazoles Using the Ruppertâ€“Prakash Reagent under Neutral Conditions. Organic Letters, 2014, 16, 54-57.	2.4	75
69	Synthesis of Dihydropyrimidinones/Thiopyrimidinones: Nafion-Ga, an Efficient â€œGreenâ€•Lewis Acid Catalyst for the Biginelli Reaction. Catalysis Letters, 2014, 144, 2012-2020.	1.4	30
70	Preparation of fluorinated RNA nucleotide analogs potentially stable to enzymatic hydrolysis in RNA and DNA polymerase assays. Journal of Fluorine Chemistry, 2014, 167, 226-230.	0.9	5
71	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.	1.7	62
72	Organo-sulfur molecules enable iron-based battery electrodes to meet the challenges of large-scale electrical energy storage. Energy and Environmental Science, 2014, 7, 2753.	15.6	51

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73	Poly(N-vinylpyrrolidone)â€“H2O2 and poly(4-vinylpyridine)â€“H2O2 complexes: solid H2O2 equivalents for selective oxidation of sulfides to sulfoxides and ketones to gem-dihydroperoxides. Green Chemistry, 2014, 16, 3616.	4.6	35
74	Formic Acid As a Hydrogen Storage Medium: Ruthenium-Catalyzed Generation of Hydrogen from Formic Acid in Emulsions. ACS Catalysis, 2014, 4, 311-320.	5.5	72
75	Longâ€Lived Trifluoromethanide Anion: A Key Intermediate in Nucleophilic Trifluoromethylations. Angewandte Chemie - International Edition, 2014, 53, 11575-11578.	7.2	122
76	Electrochemical CO₂ Reduction: Recent Advances and Current Trends. Israel Journal of Chemistry, 2014, 54, 1451-1466.	1.0	356
77	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.	6.6	17
78	Direct Synthesis of Diverse Î²â€Fluoroethylamines by a Multicomponent Protocol. Chemistry - A European Journal, 2013, 19, 3579-3583.	1.7	18
79	Difluoro(sulfinato)methylation of Nâ€Sulfinyl Imines Facilitated by 2â€Pyridyl Sulfone: Stereoselective Synthesis of Difluorinated Î²â€Amino Sulfonic Acids and Peptidosulfonamides. Angewandte Chemie - International Edition, 2013, 52, 10835-10839.	7.2	36
80	Nucleophilic Trifluoromethylation of Carbonyl Compounds: Trifluoroacetaldehyde Hydrate as a Trifluoromethyl Source. Journal of Organic Chemistry, 2013, 78, 3300-3305.	1.7	38
81	Nafionâ€“Fe: A New Efficient â€œGreenâ€•Lewis Acid Catalyst for the Ketonic Strecker Reaction. Catalysis Letters, 2013, 143, 303-312.	1.4	16
82	Air as the renewable carbon source of the future: an overview of CO2 capture from the atmosphere. Energy and Environmental Science, 2012, 5, 7833.	15.6	549
83	Taming of Fluoroform: Direct Nucleophilic Trifluoromethylation of Si, B, S, and C Centers. Science, 2012, 338, 1324-1327.	6.0	262
84	Copperâ€Mediated Difluoromethylation of (Hetero)aryl Iodides and Î²â€Styryl Halides with Tributyl(difluoromethyl)stannane. Angewandte Chemie - International Edition, 2012, 51, 12090-12094.	7.2	290
85	A Domino Approach of Heck Coupling for the Synthesis of Î²-Trifluoromethylstyrenes. Organic Letters, 2012, 14, 1146-1149.	2.4	59
86	Silica Nanoparticles as Supports for Regenerable CO₂ Sorbents. Energy & Fuels, 2012, 26, 3082-3090.	2.5	82
87	Gallium(III) Triflate: An Efficient and a Sustainable Lewis Acid Catalyst for Organic Synthetic Transformations. Accounts of Chemical Research, 2012, 45, 565-577.	7.6	85
88	Electrocatalytic Properties of Nanocrystalline Calcium-Doped Lanthanum Cobalt Oxide for Bifunctional Oxygen Electrodes. Journal of Physical Chemistry Letters, 2012, 3, 967-972.	2.1	92
89	Tetraflic Acid (1,1,2,2â€Tetrafluoroethanesulfonic Acid,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (HC₂F<su Organic Synthesis. Advanced Synthesis and Catalysis, 2012, 354, 2163-2171.	2.1	12
90	Enantioselective Synthesis of Î±-Stereogenic Î³-Keto Esters via Formal Umpolung. Organic Letters, 2012, 14, 3260-3263.	2.4	32

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91	Fluoroanalogs of DDT: Superacidic BF₃â€“H₂O Catalyzed Facile Synthesis of 1,1,1-Trifluoro-2,2-diarylethanes and 1,1-Difluoro-2,2-diarylethanes. Organic Letters, 2011, 13, 4128-4131.	2.4	45
92	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, 9992-9995.	6.6	34
93	A Domino Approach (Hydrolysis/Dehydrohalogenation/Heck Coupling) for the Synthesis of Styrene Sulfonate Salts. Journal of the American Chemical Society, 2011, 133, 2140-2143.	6.6	29
94	Reduction of Carbonyl to Methylene: Organosilane-Ga(OTf)3 as an Efficient Reductant System. Catalysis Letters, 2011, 141, 507-511.	1.4	14
95	Synthesis and Application of Polystyrene Nanospheres Supported Platinum Catalysts in Enantioselective Hydrogenations. Catalysis Letters, 2011, 141, 1435-1441.	1.4	11
96	From Difluoromethyl 2â€Pyridyl Sulfone to Difluorinated Sulfonates: A Protocol for Nucleophilic Difluoro(sulfonato)methylation. Angewandte Chemie - International Edition, 2011, 50, 2559-2563.	7.2	66
97	On the Nature of Cï£¿Hâ‹…â‹…â‹…Fï£¿C Interactions in Hindered CF₃ï£¿C(sp³) Bond Rotations. Angewandte Chemie - International Edition, 2011, 50, 11761-11764.	7.2	34
98	Gallium(III) Triflate Catalyzed Direct Reductive Amination of Aldehydes. Catalysis Letters, 2010, 137, 111-117.	1.4	27
99	ipsoâ€Nitration of Arenes. Angewandte Chemie - International Edition, 2010, 49, 1726-1728.	7.2	83
100	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.	3.3	44
101	Nanostructured silica as a support for regenerable high-capacity organoamine-based CO2 sorbents. Energy and Environmental Science, 2010, 3, 1949.	15.6	217
102	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.	1.7	42
103	Nucleophilic Perfluoroalkylation of Imines and Carbonyls: Perfluoroalkyl Sulfones as Efficient Perfluoroalkyl-Transfer Motifs. Organic Letters, 2010, 12, 2932-2935.	2.4	48
104	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.	0.5	1
105	Calculational Study of Fluoroammonium and Related Cations and Dications. Chemistry - A European Journal, 2009, 15, 8443-8448.	1.7	10
106	Nâ€Aminoâ€exoâ€3,6â€epoxyâ€1,2,3,6â€tetrahydrophthalimide as an Active Aminoaziridinating Agent. European Journal of Organic Chemistry, 2009, 2009, 3635-3642.	1.2	13
107	A Persistent Î±â€Fluorocarbanion and Its Analogues: Preparation, Characterization, and Computational Study. Angewandte Chemie - International Edition, 2009, 48, 5358-5362.	7.2	50
108	Â-Fluoro-Â-nitro(phenylsulfonyl)methane as a fluoromethyl pronucleophile: Efficient stereoselective Michael addition to chalcones. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4090-4094.	3.3	91

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109	Formation of Secondary or Tertiary Aliphatic Amines in Aqueous Media. Synthetic Communications, 2009, 39, 2859-2865.	1.1	8
110	Efficient Nucleophilic Fluoromethylation and Subsequent Transformation of Alkyl and Benzyl Halides Using Fluorobis(phenylsulfonyl)methane. Organic Letters, 2009, 11, 1127-1130.	2.4	80
111	Gallium (III) triflate-catalyzed synthesis of heterocycles: quinoxalines, 1,5-benzodiazepines and their fluorinated derivatives. Future Medicinal Chemistry, 2009, 1, 909-920.	1.1	12
112	BF₃â^'H₂O Catalyzed Hydroxyalkylation of Aromatics with Aromatic Aldehydes and Dicarboxaldehydes: Efficient Synthesis of Triarylmethanes, Diarylmethylbenzaldehydes, and Anthracene Derivatives. Journal of Organic Chemistry, 2009, 74, 8659-8668.	1.7	112
113	1â€Oxoniaadamantane. European Journal of Organic Chemistry, 2008, 2008, 4555-4558.	1.2	13
114	Efficient green synthesis of Î±-aminonitriles, precursors of Î±-amino acids. Green Chemistry, 2008, 10, 1105.	4.6	30
115	Direct Electrophilic Monofluoromethylation. Organic Letters, 2008, 10, 557-560.	2.4	109
116	Efficient 1,4-addition of Î±-substituted fluoro(phenylsulfonyl)methane derivatives to Î±,Î²-unsaturated compounds. Beilstein Journal of Organic Chemistry, 2008, 4, 17.	1.3	49
117	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.	3.3	44
118	42. Vanadium Dichloride Solution. Inorganic Syntheses, 2007, , 185-187.	0.3	4
119	Conformational Studies of Cyclobutylmethyl Cations. ACS Symposium Series, 2007, , 106-117.	0.5	1
120	New Solid-Phase Bound Electrophilic Difluoromethylating Reagent. ACS Combinatorial Science, 2007, 9, 920-923.	3.3	23
121	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, 3703-3706.	3.3	93
122	New Electrophilic Difluoromethylating Reagent. Organic Letters, 2007, 9, 1863-1866.	2.4	128
123	Selective Fluoroalkylations with Fluorinated Sulfones, Sulfoxides, and Sulfides. Accounts of Chemical Research, 2007, 40, 921-930.	7.6	325
124	Efficient One-Pot Synthesis of Fluorinated Benzimidazolines, Benzothiazolines, Benzoxazolines, and Dihydrobenzoxazinones Using Gallium(III) Triflate as a Catalyst. Organic Letters, 2007, 9, 179-182.	2.4	56
125	Stereoselective Monofluoromethylation of Primary and Secondary Alcohols by Using a Fluorocarbon Nucleophile in a Mitsunobu Reaction. Angewandte Chemie - International Edition, 2007, 46, 4933-4936.	7.2	100
126	Chlorotrimethylsilaneâ^'Nitrate Salts as Oxidants:Â Direct Oxidative Conversion of Thiols and Disulfides to Sulfonyl Chlorides. Journal of Organic Chemistry, 2007, 72, 5847-5850.	1.7	80

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127	PVP-SO2 complex as a solid mild acid catalyst for efficient one pot, three component, Strecker synthesis of Î±â^'aminonitriles. Catalysis Letters, 2007, 114, 1-7.	1.4	39
128	BF3-H2O catalyzed Fries rearrangement of phenolic esters. Catalysis Letters, 2007, 114, 24-29.	1.4	20
129	Facile Synthesis of TMS-Protected Trifluoromethylated Alcohols Using Trifluoromethyltrimethylsilane (TMSCF3) and Various Nucleophilic Catalysts in DMF. Journal of Organic Chemistry, 2006, 71, 6806-6813.	1.7	78
130	BF3Â·2CF3CH2OH (BF3Â·2TFE), an Efficient Superacidic Catalyst for Some Organic Synthetic Transformations. Journal of Organic Chemistry, 2006, 71, 3952-3958.	1.7	49
131	Electrophilic Intermediates and Their Reactions in Superacids. Journal of Organic Chemistry, 2006, 71, 3661-3676.	1.7	26
132	Preparation of Tri- and Difluoromethylated Amines from Aldimines Using (Trifluoromethyl)trimethylsilane. Organic Letters, 2006, 8, 3589-3592.	2.4	70
133	Construction of Asymmetric Fluorinated Carbon Centers. Angewandte Chemie - International Edition, 2006, 45, 2172-2174.	7.2	139
134	Superacidic Activation of Maleimide and Phthalimide and Their Reactions with Cyclohexane and Arenes. European Journal of Organic Chemistry, 2006, 2006, 4861-4866.	1.2	29
135	Electrophilic Modification of Polystyrene Nanospheres. Journal of Nanoscience and Nanotechnology, 2005, 5, 397-403.	0.9	3
136	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.	1.2	65
137	Gallium (III) triflate catalyzed dehydration of aldoximes. Catalysis Letters, 2005, 101, 141-143.	1.4	70
138	Gallium (III) Triflate Catalyzed Beckmann Rearrangement. Catalysis Letters, 2005, 103, 165-168.	1.4	38
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.	3.3	13
140	New Nucleophilic Fluoroalkylation Chemistry. ACS Symposium Series, 2005, , 16-56.	0.5	17
141	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
142	Direct Oxidation of Azides to Nitro Compounds. Angewandte Chemie - International Edition, 2004, 43, 26-28.	7.2	20
143	Difluoromethyl Phenyl Sulfone, a Difluoromethylidene Equivalent: Use in the Synthesis of 1,1-Difluoro-1-alkenes. Angewandte Chemie - International Edition, 2004, 43, 5203-5206.	7.2	80
144	Theoretical Investigation of Superelectrophilic Fluorooxonium Dications FOH32+and F2OH22+:Â Comparison with Parent H4O2+Dication1. Journal of Physical Chemistry A, 2004, 108, 4036-4039.	1.1	9

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