

# Kenneth K Laali

## List of Publications by Year in descending order

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202  
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#	ARTICLE	IF	CITATIONS
1	Electrophilic Nitration of Aromatics in Ionic Liquid Solvents. <i>Journal of Organic Chemistry</i> , 2001, 66, 35-40.	1.7	176
2	Unified Mechanistic Concept of Electrophilic Aromatic Nitration: Convergence of Computational Results and Experimental Data. <i>Journal of the American Chemical Society</i> , 2003, 125, 4836-4849.	6.6	142
3	Halogenation of organic compounds in ionic liquids. <i>Tetrahedron</i> , 2009, 65, 5625-5662.	1.0	114
4	Fluorodediazotiation in ionic liquid solvents: new life for the Balz-Schiemann reaction. <i>Journal of Fluorine Chemistry</i> , 2001, 107, 31-34.	0.9	113
5	Highly Efficient Synthesis of 5-Substituted 1 <i>H</i> -Tetrazoles Catalyzed by Cu-Zn Alloy Nanopowder, Conversion into 1,5- and 2,5-Disubstituted Tetrazoles, and Synthesis and NMR Studies of New Tetrazolium Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6343-6355.	1.2	92
6	Ethylammonium Nitrate (EAN)/Tf <sub>2</sub> O and EAN/TFAA: Ionic Liquid Based Systems for Aromatic Nitration. <i>Journal of Organic Chemistry</i> , 2011, 76, 8088-8094.	1.7	87
7	Highly efficient synthesis of amides via Ritter chemistry with ionic liquids. <i>Tetrahedron Letters</i> , 2011, 52, 867-871.	0.7	83
8	Halo- and Azidodediazotiation of Arenediazonium Tetrafluoroborates with Trimethylsilyl Halides and Trimethylsilyl Azide and Sandmeyer-Type Bromodediazotiation with Cu(I)Br in [BMIM][PF <sub>6</sub> ] Ionic Liquid. <i>Journal of Organic Chemistry</i> , 2008, 73, 316-319.	1.7	78
9	First application of ionic liquids in electrophilic fluorination of arenes; Selectfluor <sup>®</sup> (F-TEDA-BF <sub>4</sub> ) for green fluorination. <i>Perkin Transactions II RSC</i> , 2002, 953-957.	1.1	75
10	A Computational Study of [2.2]Cyclophanes. <i>Journal of Organic Chemistry</i> , 2005, 70, 3242-3250.	1.7	71
11	Building Heterocyclic Systems with RC(OR) <sub>2</sub> <sup>+</sup> Carbocations in Recyclable Brønsted Acidic Ionic Liquids: Facile Synthesis of 1-Substituted 1 <i>H</i> -1,2,3,4-Tetrazoles, Benzazoles and Other Ring Systems with CH(OEt) <sub>3</sub> and EtC(OEt) <sub>3</sub> in [EtNH <sub>3</sub> ][NO <sub>3</sub> ] and [PMIM(SO <sub>3</sub> H)][OTf]. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2827-2835.	1.2	67
12	Facile benzylation of aromatics in ionic liquid solvents promoted by TfOH, Sc(OTf) <sub>3</sub> , and Yb(OTf) <sub>3</sub> ·xH <sub>2</sub> O; New life for a classic transformation. <i>Green Chemistry</i> , 2006, 8, 615-620.	4.6	55
13	Generation of the First Persistent Phosphirenium Cation. <i>Journal of the American Chemical Society</i> , 1994, 116, 9407-9408.	6.6	53
14	Stable Ion Studies of Protonation and Oxidation of Polycyclic Arenes. <i>Chemical Reviews</i> , 1996, 96, 1873-1906.	23.0	53
15	Facile coupling of propargylic, allylic and benzylic alcohols with allylsilane and alkynylsilane, and their deoxygenation with Et <sub>3</sub> SiH, catalyzed by Bi(OTf) <sub>3</sub> in [BMIM][BF <sub>4</sub> ] ionic liquid (IL), with recycling and reuse of the IL. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7347.	1.5	52
16	Novel fluorinated curcuminoids and their pyrazole and isoxazole derivatives: Synthesis, structural studies, Computational/Docking and in-vitro bioassay. <i>Journal of Fluorine Chemistry</i> , 2018, 206, 82-98.	0.9	51
17	Influence of Lewis Acid and Solvent in the Hydrosilylation of Aldehydes and Ketones with Et <sub>3</sub> SiH; Tris(pentafluorophenyl)borane B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> versus Metal Triflates [M(OTf) <sub>3</sub> ; M = Sc, Bi, Ga, and Al] - Mechanistic Implications. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1961-1966.	1.2	45
18	Phosphorus compounds. Part 68. Tetraphosphacubane chemistry: probing phosphorus reactivity by protonation, alkylation, and alkynylation. Formation of novel phosphonium di- and monocations in superacid media and monocations with super electrophiles. <i>Journal of Organic Chemistry</i> , 1993, 58, 4105-4109.	1.7	42

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19	DFT Study of Substituted and Benzannelated Aryl Cations: A Substituent Dependency of Singlet/Triplet Ratio. <i>Journal of Organic Chemistry</i> , 2002, 67, 2913-2918.	1.7	42
20	Triflic acid-catalyzed adamantylation of aromatics in [BMIM][OTf] ionic liquid; synthetic scope and mechanistic insight. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1034.	1.5	41
21	N-(Trifluoromethylsulfonyl)aryloxytrifluoromethylsulfoximines [ArO-SO(CF <sub>3</sub> )NTf] and N-Aryltriflimides Ar-N(Tf) <sub>2</sub> by Thermal and Photolytic Dediazonation of [ArN <sub>2</sub> ][BF <sub>4</sub> ] in [BMIM][Tf <sub>2</sub> N] Ionic Liquid: Exploiting the Ambident Nucleophilic Character of a Nonnucleophilic Anion. <i>Journal of Organic Chemistry</i> , 2007, 72, 6758-6762.	1.7	41
22	Oxidative-substitution reactions of polycyclic aromatic hydrocarbons with iodine(III) sulfonate reagents. <i>Tetrahedron Letters</i> , 2006, 47, 7011-7015.	0.7	40
23	Condensation of propargylic alcohols with 1,3-dicarbonyl compounds and 4-hydroxycoumarins in ionic liquids (ILs). <i>Tetrahedron Letters</i> , 2011, 52, 6859-6864.	0.7	40
24	A theoretical (DFT, GIAO-NMR, NICS) study of the carbocations and oxidation dications from azulenes, homoazulene, benzazulenes, benzohomoazulenes, and the isomeric azulenoazulenes. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3078-3093.	1.5	39
25	Triflic acid-promoted transacylation and deacylation reactions in ionic liquid solvents. <i>Green Chemistry</i> , 2004, 6, 245.	4.6	37
26	Pd(OAc) <sub>2</sub> -catalyzed cross-coupling of polyfluoroarenes with simple aromatics in imidazolium ionic liquids (ILs) without oxidant and additive and with recycling/reuse of the IL. <i>Tetrahedron Letters</i> , 2011, 52, 5525-5529.	0.7	37
27	Pd(OAc) <sub>2</sub> catalyzed synthesis of 2-aryl- and 2-heteroaryl-benzoxazoles and benzothiazoles in imidazolium ionic liquids (ILs) without additives and with recycling/reuse of the IL. <i>Tetrahedron Letters</i> , 2012, 53, 4212-4215.	0.7	37
28	Chlorination of Aromatics with Trichloroisocyanuric Acid (TCICA) in Brønsted-Acidic Imidazolium Ionic Liquid [BMIM(SO <sub>3</sub> H)][OTf]: an Economical, Green Protocol for the Synthesis of Chloroarenes. <i>Australian Journal of Chemistry</i> , 2007, 60, 923.	0.5	36
29	Arenediazonium salts immobilized in imidazolium ionic liquids as electrophilic partners in the Pd(OAc) <sub>2</sub> -catalyzed Matsuda-Heck arylation. <i>Tetrahedron Letters</i> , 2011, 52, 1733-1737.	0.7	36
30	Sonogashira cross-coupling in a designer ionic liquid (IL) without copper, external base, or additive, and with recycling and reuse of the IL. <i>Tetrahedron Letters</i> , 2015, 56, 4807-4810.	0.7	36
31	Brønsted Acidic Ionic Liquid Accelerated Halogenation of Organic Compounds with N-Halosuccinimides (NXS). <i>Molecules</i> , 2013, 18, 74-96.	1.7	35
32	Electrophilic chemistry of propargylic alcohols in imidazolium ionic liquids: Propargylation of arenes and synthesis of propargylic ethers catalyzed by metallic triflates [Bi(OTf) <sub>3</sub> , Sc(OTf) <sub>3</sub> , Yb(OTf) <sub>3</sub> ], TfOH, or B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> . <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2518.	1.5	34
33	Schmidt reaction in ionic liquids: highly efficient and selective conversion of aromatic and heteroaromatic aldehydes to nitriles with [BMIM(SO <sub>3</sub> H)][OTf] as catalyst and [BMIM][PF <sub>6</sub> ] as solvent. <i>Tetrahedron Letters</i> , 2013, 54, 2177-2179.	0.7	34
34	Selectfluor-mediated mild oxidative halogenation and thiocyanation of 1-aryl-allenes with TMSX (X=Cl, Br, I, NCS) and NH <sub>4</sub> SCN. <i>Tetrahedron Letters</i> , 2014, 55, 2401-2405.	0.7	34
35	Libraries of C <sup>5</sup> Substituted Imidazoles and Oxazoles by Sequential Van Leusen (VL)-Suzuki, VL-Heck and VL-Sonogashira in Imidazolium ILs with Piperidine-Appended IL as Base. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5285-5288.	1.2	34
36	1-Aryltriazines in the Suzuki, Heck, and Sonogashira Reactions in Imidazolium ILs, with [BMIM(SO <sub>3</sub> H)][OTf] or Sc(OTf) <sub>3</sub> as Promoter, and Pd(OAc) <sub>2</sub> or NiCl <sub>2</sub> -glyme as Catalyst. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6088-6093.	1.2	34

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37	4-(Pentafluorosulfanyl)benzenediazonium Tetrafluoroborate: A Versatile Launch Pad for the Synthesis of Aromatic SF <sub>5</sub> Compounds via Cross Coupling, Azo Coupling, Homocoupling, Dediazonation, and Click Chemistry. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1630-1644.	1.2	31
38	Piperidine-appended imidazolium ionic liquid as task-specific basic-IL for Suzuki and Heck reactions and for tandem Wittig-Suzuki, Wittig-Heck, Horner-Emmons-Suzuki, and Horner-Emmons-Heck protocols. <i>Applied Catalysis A: General</i> , 2017, 543, 150-161.	2.2	31
39	Evidence for the Intracomplex Reaction in Gattermann-Koch Formylation in Superacids: A Kinetic and Regioselectivity Studies. <i>Journal of the American Chemical Society</i> , 1997, 119, 5100-5105.	6.6	30
40	Charge Delocalization Pathways in Persistent 1-Pyrenyl-, 4-Pyrenyl-, and 2-Pyrenylmethylcarbenium Ions as Models of PAH-Epoxyde Ring Opening: NMR Studies in Superacids and AM1 Calculations. <i>Journal of Organic Chemistry</i> , 1997, 62, 5804-5810.	1.7	30
41	Pd(OAc) <sub>2</sub> catalyzed homocoupling of arenediazonium salts in ionic liquids: synthesis of symmetrical biaryls. <i>Tetrahedron Letters</i> , 2016, 57, 663-667.	0.7	30
42	Aromatic nitration with bismuth nitrate in ionic liquids and in molecular solvents: a comparative study of Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O/[bmim][PF <sub>6</sub> ] and Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O/1,2-DCE systems. <i>Tetrahedron Letters</i> , 2012, 53, 6782-6785.	0.7	29
43	Metal and H <sub>2</sub> O Free Aerobic Oxidative Aromatic Halogenation with [RNH <sub>3</sub> ] <sup>+</sup> [NO <sub>3</sub> ] <sup>-</sup> /HX and Multifunctional Ionic Liquids. <i>Organic Letters</i> , 2013, 15, 2108-2111.	2.4	29
44	Substituent Effects and Charge Delocalization Mode in Chrysenium, Benzo[c]phenanthrenium, and Benzo[g]chrysenium Cations: A Stable Ion and Electrophilic Substitution Study. <i>Journal of Organic Chemistry</i> , 2001, 66, 780-788.	1.7	28
45	Oxidized metabolites from benzo[a]pyrene, benzo[e]pyrene, and aza-benzo[a]pyrenes. A computational study of their carbocations formed by epoxide ring opening reactions. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2234.	1.5	28
46	[bmim(SO <sub>3</sub> H)][OTf]/[bmim][X] and Zn(NTf <sub>2</sub> ) <sub>2</sub> /[bmim][X] (X = PF <sub>6</sub> and BF <sub>4</sub> ); efficient catalytic systems for the synthesis of tetrahydropyrimidin-ones (-thiones) via the Biginelli reaction. <i>Tetrahedron Letters</i> , 2016, 57, 3029-3035.	0.7	28
47	Electrospray mass spectrometric and DFT study of substituent effects in Ag <sup>+</sup> complexation to polycyclic aromatic hydrocarbons (PAHs). <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2319.	1.5	27
48	The Pschorr Reaction, a Fresh Look at a Classical Transformation. <i>Current Organic Synthesis</i> , 2009, 6, 193-202.	0.7	27
49	Electrophilic Chemistry of Thia-PAHs: Stable Carbocations (NMR and DFT), S-Alkylated Onium Salts, Model Electrophilic Substitutions (Nitration and Bromination), and Mutagenicity Assay. <i>Journal of Organic Chemistry</i> , 2007, 72, 8383-8393.	1.7	26
50	Iodination of Organic Compounds with Elemental Iodine in the Presence of Hydrogen Peroxide in Ionic Liquid Media. <i>Australian Journal of Chemistry</i> , 2008, 61, 946.	0.5	26
51	Condensation of propargylic alcohols with N-methylcarbazole and carbazole in [bmim]PF <sub>6</sub> ionic liquid; synthesis of novel dipropargylic carbazoles using TfOH or Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O as catalyst. <i>Tetrahedron Letters</i> , 2013, 54, 965-969.	0.7	25
52	Microwave-Assisted Synthesis of Diversely Substituted Quinoline-Based Dihydropyridopyrimidine and Dihydropyrazolopyridine Hybrids. <i>ACS Combinatorial Science</i> , 2017, 19, 555-563.	3.8	25
53	Generation and NMR studies of persistent fluoro(alkyl)pyrenium ions and their tetrahydro and hexahydro derivatives in superacid media. <i>Journal of Organic Chemistry</i> , 1993, 58, 4096-4104.	1.7	24
54	Reaction of triflyl-imidazole with aldoximes: facile synthesis of nitriles and formation of novel aldoxime-bis(N-triflyl)-imidazole adducts. <i>Tetrahedron Letters</i> , 2011, 52, 5184-5187.	0.7	24

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55	Condensation of propargylic alcohols with indoles and carbazole in [bmim][PF6]/Bi(NO <sub>3</sub> ) <sub>3</sub> ·5H <sub>2</sub> O: a simple high yielding propargylation method with recycling and reuse of the ionic liquid. <i>Tetrahedron Letters</i> , 2012, 53, 3066-3069.	0.7	24
56	Facile Access to Diverse Libraries of Internal Alkynes via Sequential Iododediazoniatio/Decarboxylative Sonogashira Reaction in Imidazolium ILs without Ligand or Additive. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2061-2064.	1.2	24
57	C-Protonation of Adamantylphosphaacetylene (1-AdC.tpbond.P) and tert-Butylphosphaacetylene (tBuC.tpbond.P) in Superacids: Phosphavinyl Cation Generation and Trapping To Form Phosphaalkenes, Formation of Isomeric Boron-Containing Spirocyclic Betaines by Reaction of 1-AdC.tpbond.P with B(OTf) <sub>3</sub> , and Theoretical Studies on Protonation of MeC.tpbond.P. <i>Journal of Organic Chemistry</i> , 1995, 60, 6362-6367.	1.7	23
58	Persistent $\hat{1}\pm$ -CF <sub>3</sub> -Substituted (1-Pyrenyl)dimethyl-, (1-Pyrenyl)phenylmethyl-, (4-Pyrenyl)dimethyl-, and (9-Phenanthrenyl)dimethylcarbenium Ions: Enhancing Arenium Ionic Character by Increasing Electron Demand at the Carbocation. <i>Journal of Organic Chemistry</i> , 1997, 62, 7752-7757.	1.7	23
59	Benzylic oxidation of aromatics with cerium(IV) triflate; synthetic scope and mechanistic insight. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 578-583.	1.3	23
60	Theoretical study of aza-polycyclic aromatic hydrocarbons (aza-PAHs), modelling carbocations from oxidized metabolites and their covalent adducts with representative nucleophiles. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1180.	1.5	23
61	Mild and selective $\hat{1}\pm$ -fluorination of carbonyl compounds (ketones, 1,3-diketones, $\hat{1}^2$ -ketoesters,) Tj ETQq1 1 0.784314 rgBT /Overlock BMIM/NTf <sub>2</sub> ] with Br $\hat{1}$ sted-acidic IL [PMIM(SO <sub>3</sub> H)/OTf] as promoter. <i>Tetrahedron Letters</i> , 2015, 56, 5495-5499.	0.7	23
62	Ab Initio/IGLO/GIAO-MP2 Studies of Fluorocarocations: Experimental and Theoretical Investigation of the Cleavage Reaction of Trifluoroacetic Acid in Superacids1a. <i>Journal of Organic Chemistry</i> , 1996, 61, 9253-9258.	1.7	22
63	Stable Ion Studies of the Chrysene Skeleton. Protonation of Chrysene, 6-Halochrysenes, 6-Acetylchrysene, and 4H-Cyclopenta[def]chrysene: NMR Studies of Charge Distribution in Chrysenium Cations and AM1 Calculations. <i>Journal of Organic Chemistry</i> , 1997, 62, 4023-4028.	1.7	22
64	Synthesis of a Doubly Complexed Bisphosphirenyl Ether and Generation of Phosphirenylium Cations Complexed with Pentacarbonyltungsten1. <i>Organometallics</i> , 1999, 18, 817-819.	1.1	22
65	Ionic liquids as novel media for electrophilic/onium ion chemistry and metal-mediated reactions: a progress summary. <i>Arkivoc</i> , 2017, 2016, 150-171.	0.3	22
66	Facile one-pot fluorination of polycyclic aromatic hydrocarbons (PAHs) with N-fluoro-2,4-dinitroimidazole; scope and limitation. <i>Journal of Fluorine Chemistry</i> , 1998, 91, 185-190.	0.9	21
67	Carbocations (M + H) <sup>+</sup> and Oxidation Dications (M <sup>2+</sup> ) from Benzo[a]pyrene and Its Nonalternant Isomers Azulenophenalenenes: A Theoretical (DFT, GIAO, NICS) Study. <i>Journal of Organic Chemistry</i> , 2004, 69, 510-516.	1.7	21
68	Fluoro-curcuminoids and curcuminoid-BF <sub>2</sub> adducts: Synthesis, X-ray structures, bioassay, and computational/docking study. <i>Journal of Fluorine Chemistry</i> , 2016, 191, 29-41.	0.9	21
69	Synthetic, Crystallographic, Computational, and Biological Studies of 1,4-Difluorobenzo[c]phenanthrene and Its Metabolites. <i>Journal of Organic Chemistry</i> , 2007, 72, 7625-7633.	1.7	20
70	First Examples of Stable Arenium Ions from Large Methylene-Bridged Polycyclic Aromatic Hydrocarbons (PAHs). Directive Effects and Charge Delocalization Mode. <i>Journal of Organic Chemistry</i> , 2001, 66, 3977-3983.	1.7	19
71	Mild conversion of propargylic alcohols to $\hat{1}\pm$ , $\hat{1}^2$ -unsaturated enones in ionic liquids (ILs); a new $\hat{1}\pm$ metal free $\hat{1}\pm$ life for the Rupe rearrangement. <i>Tetrahedron Letters</i> , 2013, 54, 6258-6263.	0.7	19
72	Charge Delocalization in Persistent Benz[a]anthracenium Cations BAH <sup>+</sup> and Related $\hat{1}\pm$ -Carbocations/Carboxonium Ions: Modeling Epoxide Ring Opening in Potent Carcinogens. <i>Journal of Organic Chemistry</i> , 1998, 63, 7280-7285.	1.7	18

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73	Transannular $\pi$ - $\pi$ interactions in janusenes and in related rigid systems with cofacial aromatic rings; gauging aromaticity in the hydrocarbons and in model carbocations; a DFT study. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3085-3095.	1.5	18
74	Structure/Reactivity Relationships in the Benzo[c]phenanthrene Skeleton: A Stable Ion and Electrophilic Substitution (Nitration, Bromination) Study of Substituted Analogues, Novel Carbocations and Substituted Derivatives. <i>Journal of Organic Chemistry</i> , 2007, 72, 3232-3241.	1.7	18
75	Catalytic, regioselective, and green methods for rearrangement of 1,2-diaryl epoxides to carbonyl compounds employing metallic triflates, Brønsted-acidic ionic liquids (ILs), and IL/microwave; experimental and computational substituent effect study on aryl versus hydrogen migration. <i>Applied Catalysis A: General</i> , 2014, 486, 1-11.	2.2	18
76	Stable Ion Study of Regioisomeric Carboxonium-Substituted Pyrenium Ions: Directive Effects, Charge Delocalization Mode, and Conformational Aspects. <i>Journal of Organic Chemistry</i> , 2000, 65, 3816-3828.	1.7	17
77	Substituent control of intramolecular hydrogen bonding in formyl-protonated o-anisaldehydes: a stable ion and semiempirical MO investigation. <i>Journal of Organic Chemistry</i> , 1993, 58, 1385-1392.	1.7	16
78	The First Nonclassical Distonic Ion. <i>Journal of the American Chemical Society</i> , 2000, 122, 7776-7780.	6.6	16
79	Persistent Carbocations from Bay Region Methoxy-Substituted Cyclopenta[a]phenanthrene and Its Derivatives. A Structure/Reactivity Study. <i>Journal of Organic Chemistry</i> , 2000, 65, 7399-7405.	1.7	16
80	Novel quinoline-imidazolium adducts via the reaction of 2-oxoquinoline-3-carbaldehyde and quinoline-3-carbaldehydes with 1-butyl-3-methylimidazolium chloride [BMIM][Cl]. <i>Tetrahedron Letters</i> , 2014, 55, 4395-4399.	0.7	16
81	Aprotic nitration ( $\text{NO}_2+\text{BF}_4^-$ , nitril tetrafluoroborate) of 2-halo- and 2,6-dihalopyridines and transfer-nitration chemistry of their N-nitropyridinium cations. <i>Journal of Organic Chemistry</i> , 1991, 56, 3006-3009.	1.7	15
82	Oxidation of sterically crowded alkyl(cycloalkyl)pyrenes. Persistent dications in $\text{SbF}_5/\text{SO}_2\text{ClF}$ and radical cations in $\text{FSO}_3\text{H}/\text{SO}_2$ . <i>Journal of Organic Chemistry</i> , 1993, 58, 4088-4095.	1.7	15
83	Mono- and diprotonation of dihydropyrene, 2,7-di-tert-butyl-dihydropyrene, and their conversion to pyrenium ions; Influence of the radical cation and its potential utility in NMR assignments of the arenium ions of readily oxidizable PAHs. <i>Research on Chemical Intermediates</i> , 1996, 22, 737-751.	1.3	15
84	Stable ion study of benzo[a]pyrene (BaP) derivatives: 7,8-dihydro-BaP, 9,10-dihydro-BaP and its 6-halo derivatives, 1- and 3-methoxy-9,10-dihydro-BaP-7(8H)-one, as well as the proximate carcinogen BaP 7,8-dihydrodiol and its dibenzoate, combined with a comparative DNA binding study of regioisomeric (1-, 4-, 2-) pyrenylcarbinols. Electronic supplementary information (ESI) available: Selected NMR spectra (Fig. S1 and Charts S1-S10) and DFT computed energies for carbocations (Table S1). See <a href="#">Electrophilic and oxidative chemistry of pyrene and its non-alternant isomers: theoretical (DFT), Tj ETQq1 1 0.784314 rgBT /Overlock</a>	1.5	15
85	(dicyclopenta[ef,kl]heptalene) and dicyclohepta[ed,gh]pentalene. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2214-2219.	1.5	15
86	The 2,4-dimethyl-7-pentafluorosulfanyl-5-(trifluoromethyl)dibenzo[b,d]thiophenium trifluoromethanesulfonate: The SF <sub>5</sub> -analog of Umemoto salt. <i>Journal of Fluorine Chemistry</i> , 2014, 165, 91-95.	0.9	15
87	Protonation of benzo[a]pyrene dibenzo[a,e]pyrene and benzo[e]pyrene in superacids: NMR studies of charge distribution in persistent arenium ions and AM1 calculations. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 1781.	0.9	14
88	Formation of Ferriophosphanyl- and Ferriarsanyl-Functionalized Carbocation Salts by Alkylation, Protonation, and Silylation of $(\text{I}^-\text{C}_5\text{Me}_5)(\text{CO})_2\text{Fe}^+\text{Pn}(\text{C}(\text{NMe}_2)_2)(\text{Pn} = \text{P}, \text{As})$ . <i>Organometallics</i> , 1999, 18, 4216-4221.	1.1	14
89	A Computational Study of Carbocations from Oxidized Metabolites of Dibenzo[a,h]acridine and Their Fluorinated and Methylated Derivatives. <i>Chemical Research in Toxicology</i> , 2005, 18, 1876-1886.	1.7	14
90	Stable Ion NMR and GIAO-DFT Study of Novel Cations from 8,16-Dicyano[2.2]metacyclophanedienes and from Strategically Substituted/Benzannelated Dihydropyrenes: A Charge-Induced Tropicity Modulation and $\pi$ -Switching. <i>Journal of Organic Chemistry</i> , 2008, 73, 457-466.	1.7	14



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91	Electrophilic and oxidative chemistry of 4-methyl[6]helicene, [6]helicene and coronene; persistent ion generation in superacid media, gas phase mass spectrometric studies and AM1 calculations. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 1303.	0.9	13
92	First Examples of Fluorinated and Chlorinated Polycyclic Aromatic Hydrocarbon (PAH) Dications from Benzo[a]pyrene, Pyrene, and Their Alkyl-Substituted Derivatives. <i>Journal of Organic Chemistry</i> , 1998, 63, 8217-8223.	1.7	13
93	Gas phase chemistry of the 2-tert-butyl-3-phenylphosphirenylium cation: novel onium ions by nucleophilic attack at phosphorus and de novo P-spiro bicyclic phosphonium ions via [4 + 2+] cycloaddition with dienes. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 395-400.	1.5	13
94	Carbocations from Oxidized Metabolites of Benzo[a]anthracene: A Computational Study of Their Methylated and Fluorinated Derivatives and Guanine Adducts. <i>Chemical Research in Toxicology</i> , 2006, 19, 899-907.	1.7	13
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