

Mahesh K Lakshman

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Cross-dehydrogenative coupling and oxidative-amination reactions of ethers and alcohols with aromatics and heteroaromatics. <i>Chemical Science</i> , 2017, 8, 5845-5888.	7.4	116
2	Direct Arylation of 6-Phenylpurine and 6-Arylpurine Nucleosides by Ruthenium-Catalyzed C-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11400-11404.	13.8	99
3	Palladium-Catalyzed C-N Bond Formation: A Facile and General Synthesis of N6-Aryl 2'-Deoxyadenosine Analogues. <i>Journal of the American Chemical Society</i> , 1999, 121, 6090-6091.	13.7	98
4	Sequence Context Profoundly Influences the Mutagenic Potency of Trans-Opened Benzo[a]pyrene 7,8-Diol 9,10-Epoxyde-Purine Nucleoside Adducts in Site-Specific Mutation Studies. <i>Biochemistry</i> , 1998, 37, 9127-9137.	2.5	90
5	Facile Pd-Catalyzed Cross-Coupling of 2'-Deoxyguanosine O6-Arylsulfonates with Arylboronic Acids. <i>Organic Letters</i> , 2002, 4, 1479-1482.	4.6	74
6	Azide-Tetrazole Equilibrium of C-6 Azidopurine Nucleosides and Their Ligation Reactions with Alkynes. <i>Journal of Organic Chemistry</i> , 2010, 75, 2461-2473.	3.2	73
7	O6-(Benzotriazol-1-yl)inosine Derivatives: Easily Synthesized, Reactive Nucleosides. <i>Journal of the American Chemical Society</i> , 2007, 129, 782-789.	13.7	70
8	Unusual Deoxygenation and Reactivity Studies Related to O6-(Benzotriazol-1-yl)inosine Derivatives. <i>Journal of Organic Chemistry</i> , 2008, 73, 1311-1319.	3.2	57
9	Ruthenium-Catalyzed C-H Bond Activation Approach to Azolyl Aminals and Hemiaminal Ethers, Mechanistic Evaluations, and Isomer Interconversion. <i>ACS Catalysis</i> , 2016, 6, 1921-1928.	11.2	53
10	Purinylic N1-Directed Aromatic C-H Oxidation in 6-Arylpurines and 6-Arylpurine Nucleosides. <i>Journal of Organic Chemistry</i> , 2013, 78, 7423-7435.	3.2	45
11	Facile Synthesis of O6-Alkyl-, O6-Aryl-, and Diaminopurine Nucleosides from 2'-Deoxyguanosine. <i>Organic Letters</i> , 2000, 2, 927-930.	4.6	41
12	Mild and General Access to Diverse 1-H-Benzotriazoles via Diboron-Mediated Ni(OH) Deoxygenation and Palladium-Catalyzed C-C and C-N Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 451-462.	4.3	38
13	Mild and Room Temperature C-C Bond Forming Reactions of Nucleoside C-6 Arylsulfonates. <i>Journal of Organic Chemistry</i> , 2005, 70, 10329-10335.	3.2	34
14	Palladium-Catalyzed Synthesis of Carcinogenic Polycyclic Aromatic Hydrocarbon Epoxide-Nucleoside Adducts: The First Amination of a Chloro Nucleoside. <i>Organic Letters</i> , 2003, 5, 39-42.	4.6	30
15	Pd-Xantphos-Catalyzed Direct Arylation of Nucleosides. <i>Organic Letters</i> , 2006, 8, 4613-4616.	4.6	29
16	A simple method for C-6 modification of guanine nucleosides. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2933.	2.8	29
17	One-Pot Etherification of Purine Nucleosides and Pyrimidines. <i>Organic Letters</i> , 2010, 12, 4478-4481.	4.6	29
18	A Novel Polymer Supported Approach to Nucleoside Modification. <i>Journal of Organic Chemistry</i> , 2008, 73, 3707-3713.	3.2	27

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19	Synthesis and Biological Properties of C-2 Triazolylinosine Derivatives. <i>Journal of Organic Chemistry</i> , 2012, 77, 5870-5883.	3.2	25
20	Modular, Metal-Catalyzed Cycloisomerization Approach to Angularly Fused Polycyclic Aromatic Hydrocarbons and Their Oxidized Derivatives. <i>Journal of Organic Chemistry</i> , 2015, 80, 7435-7446.	3.2	24
21	Synthetic Utility of an Isolable Nucleoside Phosphonium Salt. <i>Organic Letters</i> , 2008, 10, 2203-2206.	4.6	23
22	Palladium-Catalyzed Aryl Amination Reactions of 6-Bromo- and 6-Chloropurine Nucleosides. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1728-1735.	4.3	22
23	Synthesis of Pyrene and Benzo[a]pyrene Adducts at the Exocyclic Amino Groups of 2'-Deoxyadenosine and 2'-Deoxyguanosine by a Palladium-Mediated C-N Bond-Formation Strategy. <i>Journal of Organic Chemistry</i> , 2003, 68, 6020-6030.	3.2	20
24	Catalytic Reductions Without External Hydrogen Gas: Broad Scope Hydrogenations with Tetrahydroxydiboron and a Tertiary Amine. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 166-176.	4.3	19
25	Facile functionalization at the C4 position of pyrimidine nucleosides via amide group activation with (benzotriazol-1-yloxy)tris(dimethylamino)phosphonium hexafluorophosphate (BOP) and biological evaluations of the products. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1130-1139.	2.8	17
26	Pd-Catalyzed C-C Bond-Forming Reactions of Thymidine Mesitylene Sulfonate. <i>Journal of Organic Chemistry</i> , 2007, 72, 5724-5730.	3.2	16
27	Cycloaddition of Arynes and Cyclic Enol Ethers as a Platform for Access to Stereochemically Defined 1,2-Disubstituted Benzocyclobutenes. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 750-764.	2.4	16
28	Highly Diastereoselective Synthesis of Nucleoside Adducts from the Carcinogenic Benzo[a]pyrene Diol Epoxide and a Computational Analysis. <i>Journal of the American Chemical Society</i> , 2007, 129, 68-76.	13.7	14
29	Benzimidazopurine nucleosides from N ⁶ -aryl adenosine derivatives by PhI(OAc) ₂ -mediated C-N bond formation, no metal needed. <i>Chemical Communications</i> , 2017, 53, 2226-2229.	4.1	13
30	Cladribine Analogues via O6-(Benzotriazolyl) Derivatives of Guanine Nucleosides. <i>Molecules</i> , 2015, 20, 18437-18463.	3.8	12
31	Facile synthesis of 1-alkoxy-1H-benzo- and 7-azabenzotriazoles from peptide coupling agents, mechanistic studies, and synthetic applications. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1919-1932.	2.2	11
32	The Disappearing Director: The Case of Directed N-Arylation via a Removable Hydroxyl Group. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2503-2510.	4.3	11
33	Pd-Catalyzed versus Uncatalyzed, PhI(OAc) ₂ -Mediated Cyclization Reactions of N ⁶ -[[1,1'-biaryl]-2-yl]Adenine Nucleosides. <i>ChemCatChem</i> , 2017, 9, 4058-4069.	3.7	10
34	Synthesis of N ⁶ ,N ⁶ -Dialkyladenine Nucleosides Using Hexaalkylphosphorus Triamides Produced in Situ. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 152-159.	2.4	9
35	Improved High-Yield Synthesis of Polycyclic Aromatic Hydrocarbon Amino Tribenzoates, Nucleophilic Components for Synthesis of Diol Epoxide-Nucleoside Adducts. <i>Synthetic Communications</i> , 1994, 24, 2983-2988.	2.1	8
36	A novel bis(pinacolato)diboron-mediated N-O bond deoxygenative route to C6 benzotriazolyl purine nucleoside derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7069-7083.	2.8	8

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37	Synthesis and Evaluations of α 1,4-Triazolyl Combretacoumarins and Desmethoxy Analogs. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5610-5623.	2.4	7
38	Solvent Dependent Changes in the Proton NMR Spectra of 2-Deoxyadenosine and Its Derivatives. <i>Nucleosides & Nucleotides</i> , 1992, 11, 1039-1046.	0.5	6
39	O 6 (Benzotriazolyl)inosine Derivatives for C6 Modification of Purine Nucleosides. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2009, 36, Unit 1.22.	0.5	6
40	KHF2: A Mild and Selective Desilylating Agent for Phenol tert-Butyldimethylsilyl (TBDMS) Ethers. <i>Synlett</i> , 2017, 28, 381-385.	1.8	6
41	General Approach to N^6 ,C5-Difunctionalization of Adenosine. <i>Journal of Organic Chemistry</i> , 2022, 87, 18-39.	3.2	5
42	Diarylmethanes through an Unprecedented Palladium-Catalyzed C^{α} -C Cross-Coupling of 1-(Aryl)methoxy-1H-Benzotriazoles with Arylboronic Acids. <i>ChemCatChem</i> , 2015, 7, 4156-4162.	3.7	4
43	Recent developments in the utility of saturated azaheterocycles in peptidomimetics. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 963-979.	2.8	4
44	Synthesis of 1,2-Epoxy-1,2,3,4-Tetrahydrobenzo[<i>g</i>]chrysene: The First Synthesis of a <i>trans</i> -Region Tetrahydroepoxide. <i>Synthetic Communications</i> , 1994, 24, 2973-2981.	2.1	2
45	Two-Step, One-Pot Synthesis of Inosine, Guanosine, and 2-Deoxyguanosine O 6 Ethers via Intermediate O 6 (Benzotriazolyl) Derivatives. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2012, 49, Unit 1.26.	0.5	2
46	When nucleoside chemistry met hypervalent iodine reagents. <i>Arkivoc</i> , 2018, 2018, 252-279.	0.5	2
47	Facile Modifications at the C4 Position of Pyrimidine Nucleosides <i>in Situ</i> Amide Activation with 1-H-Benzotriazolyl-oxyltris(dimethylamino)phosphonium Hexafluorophosphate. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2019, 76, e73.	0.5	2
48	Diversely C8-functionalized adenine nucleosides <i>in vivo</i> their underexplored carboxaldehydes. <i>Chemical Communications</i> , 2022, 58, 1744-1747.	4.1	1
49	Effects of Polycyclic Aromatic Hydrocarbon Adducts with Deoxyguanosine and Deoxyadenosine <i>in vivo</i> and <i>in vitro</i> . <i>Polycyclic Aromatic Compounds</i> , 1996, 10, 171-178.	2.6	0
50	Innenteilbild: Direct Arylation of 6-Phenylpurine and 6-Arylpurine Nucleosides by Ruthenium-Catalyzed C^{α} -H Bond Activation (Angew. Chem. 48/2011). <i>Angewandte Chemie</i> , 2011, 123, 11460-11460.	2.0	0
51	Inside Cover: Direct Arylation of 6-Phenylpurine and 6-Arylpurine Nucleosides by Ruthenium-Catalyzed C^{α} -H Bond Activation (Angew. Chem. Int. Ed. 48/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11264-11264.	13.8	0
52	Pd-Catalyzed versus Uncatalyzed, $PhI(OAc)_2$ -Mediated Cyclization Reactions of N 6 -([1,1-Biaryl]-2-yl)Adenine Nucleosides. <i>ChemCatChem</i> , 2017, 9, 4017-4018.	3.7	0