Tun-Cheng Chien

List of Publications by Year
in descending order

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40	675	623574	580701
papers	citations	14 h-index	25 g-index

48	48	48	1012
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nucleosides: XI. Synthesis and Antiviral Evaluation of 5'-Alkylthio-5'-deoxy Quinazolinone Nucleoside Derivatives as S-Adenosyl-L-homocysteine Analogs. Chemical and Pharmaceutical Bulletin, 2004, 52, 1422-1426.	0.6	88
2	Producing irreversible topoisomerase II-mediated DNA breaks by site-specific Pt(II)-methionine coordination chemistry. Nucleic Acids Research, 2017, 45, 10861-10871.	6.5	68
3	Practical Synthesis of N-Substituted Cyanamides via Tiemann Rearrangement of Amidoximes. Organic Letters, 2014, 16, 892-895.	2.4	57
4	Facile Synthesis of 1-Substituted 2-Amino-3-cyanopyrroles:â€‰ New Synthetic Precursors for 5,6-Unsubstituted Pyrrolo[2,3-d]pyrimidines. Organic Letters, 2004, 6, 2857-2859.	2.4	41
5	Synthesis and Antiviral Evaluation of Polyhalogenated Imidazole Nucleosides:Â Dimensional Analogues of 2,5,6-Trichloro-1-(Î²-d-ribofuranosyl)benzimidazole. Journal of Medicinal Chemistry, 2004, 47, 5743-5752.	2.9	41
6	Facile synthesis of 4-arylidene-5-imidazolinones as synthetic analogs of fluorescent protein chromophore. Tetrahedron, 2012, 68, 5898-5907.	1.0	39
7	Reaction Mechanism of a Nonheme Iron Enzyme Catalyzed Oxidative Cyclization via Câ€“C Bond Formation. Organic Letters, 2019, 21, 228-232.	2.4	36
8	Analysis of UDP-<scp>d</scp>-Apiose/UDP-<scp>d</scp>-Xylose Synthase-Catalyzed Conversion of UDP-<scp>d</scp>-Apiose Phosphonate to UDP-<scp>d</scp>-Xylose Phosphonate: Implications for a Retroaldolâ€“Aldol Mechanism. Journal of the American Chemical Society, 2012, 134, 13946-13949.	6.6	30
9	Practical synthesis of 6-aryluridines via palladium(II) acetate catalyzed Suzukiâ€“Miyaura cross-coupling reaction. Tetrahedron, 2011, 67, 3915-3923.	1.0	23
10	Regioselective arylation of uracil and 4-pyridone derivatives via copper(I) bromide mediated Câ€“H bond activation. Tetrahedron, 2013, 69, 1387-1396.	1.0	21
11	CuI-Catalyzed intramolecular aminocyanation of terminal alkynes in N-(2-ethynylphenyl)-N-sulfonylcyanamides via Cuâ€“vinylidene intermediates. Chemical Communications, 2016, 52, 14404-14407.	2.2	18
12	A convenient preparation of 1,2,3-tri-O-acetyl-Î²-d-ribofuranose by enzymatic regioselective 5-O-deacetylation of the peracetylated ribofuranose. Carbohydrate Research, 2004, 339, 1215-1217.	1.1	17
13	Deciphering Pyrrolidine and Olefin Formation Mechanism in Kainic Acid Biosynthesis. ACS Catalysis, 2021, 11, 278-282.	5.5	17
14	Nucleosides. IX. Synthesis of Purine N 3,5â€²â€Cyclonucleosides and N 3,5â€²â€Cycloâ€2â€²,3â€²â€seconucleosides via Mitsunobu Reaction as TIBOâ€like Derivatives. Nucleosides, Nucleotides and Nucleic Acids, 2004, 23, 347-359.	0.4	15
15	Mononuclear Heterocyclic Rearrangement: Synthesis of [5:5] Bicyclic [c]-Fused 3- Aminopyrazoles via the N-N Bond Formation Strategy. Heterocycles, 2004, 63, 2475.	0.4	15
16	Regioselective synthesis and biological evaluation ofN-substituted 2-aminoquinazolin-4-ones. Organic and Biomolecular Chemistry, 2018, 16, 4482-4494.	1.5	13
17	One-Pot Synthesis of N-Monosubstituted Ureas from Nitriles via Tiemann Rearrangement. Synlett, 2015, 26, 1823-1826.	1.0	12
18	A selective glucose sensor: the cooperative effect of monoboronic acid-modified poly(amidoamine) dendrimers. Chemical Communications, 2018, 54, 4577-4580.	2.2	12

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19	Biomimetic Approach toward the Total Synthesis of rac-2-(Acylmethylene)pyrrolidine Alkaloids. Journal of Organic Chemistry, 2015, 80, 6669-6678.	1.7	11
20	Mechanistic analysis of carbonâ€“carbon bond formation by deoxypodophyllotoxin synthase. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	11
21	Copper(I) Iodide-Catalyzed Synthesis of N,Nâ€²-Disubstituted Guanidines from N-Substituted Cyanamides. Australian Journal of Chemistry, 2014, 67, 1134.	0.5	10
22	Facile synthesis of 1-substituted 4,5-diaminopyrazoles and its application toward the synthesis of pyrazolo[3,4- b]pyrazines. Tetrahedron Letters, 2004, 45, 4105-4108.	0.7	9
23	Nucleosides XIII. Facile Synthesis of 4-Amino-1-(2-deoxy-Î²-D-ribofuranosyl)quinazolin-2-one as a 2â€²-Deoxycytidine Analog for Oligonucleotide Synthesis. Journal of the Chinese Chemical Society, 2005, 52, 1237-1244.	0.8	9
24	Total synthesis of pseudouridineviaHeck-typeC-glycosylation. New Journal of Chemistry, 2019, 43, 8796-8803.	1.4	9
25	Nucleosides VII:1 Synthesis of N-triphenylphosphoranylidene nucleosides by mitsunobu reaction. A novel protecting group for primary amines of nucleosides. Tetrahedron Letters, 1995, 36, 7881-7884.	0.7	8
26	Synthesis and Unexpected Oxidization of the Tricyclic Core of Ugibohlin, Isophakellin, and Styloguanidine. Journal of Organic Chemistry, 2013, 78, 10459-10468.	1.7	8
27	Synthesis of 6-Alkyluridines from 6-Cyanouridine via Zinc(II) Chloride-Catalyzed Nucleophilic Substitution with Alkyl Grignard Reagents. Journal of Organic Chemistry, 2013, 78, 4027-4036.	1.7	7
28	Nucleosides XII.¹ Synthesis of 5â€²-Modified Isoguanosines and Reinvestigation of 5â€²-Deoxyâ€“N³,5â€²-cycloisoguanosine. Journal of the Chinese Chemical Society, 2004, 51, 1401-1406.	0.8	5
29	Green fluorescent protein chromophore derivative suppresses ultraviolet Aâ€induced <scp>JNK</scp>â€signalling and apoptosis in keratinocytes and adverse effects in zebrafish embryos. Experimental Dermatology, 2016, 25, 983-990.	1.4	4
30	Identification of Reactive Intermediates for the Decarbonylative Reaction of 1-Alkylprolines. Synlett, 2016, 27, 2841-2845.	1.0	4
31	Synthesis of 3-Aminoimidazo[4,5-c]pyrazole Nucleoside via the N-N Bond Formation Strategy as a [5:5] Fused Analog of Adenosine. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 1971-1996.	0.4	3
32	Chemical models and their mechanistic implications for the transformation of 6-cyanouridine 5â€²-monophosphate catalyzed by orotidine 5â€²-monophosphate decarboxylase. Chemical Communications, 2010, 46, 4821.	2.2	3
33	Study on the synthesis of 6-alkylaminouridines via the nucleophilic aromatic substitution reaction of 6-cyanouridine derivatives. Tetrahedron Letters, 2011, 52, 3969-3972.	0.7	2
34	Chemical Models and Their Mechanistic Implications for the Transformation of 6-Cyanouridine 5'-Monophosphate Catalyzed by Orotidine 5'-Monophosphate Decarboxylase. Nucleic Acids Symposium Series, 2008, 52, 297-298.	0.3	1
35	Design and Synthesis of 1-(Â-D-Ribofuranosyl)imidazo[4,5-c]pyrazoles as 5:5 Bicyclic Analogs of Purine Nucleosides. Nucleic Acids Symposium Series, 2008, 52, 593-594.	0.3	1
36	Investigation of Oâ€Sulfonylationâ€promoted Heterolytic Nï¿½O Bond Cleavage of Amidoximes and Ketoximes. Journal of the Chinese Chemical Society, 2018, 65, 325-330.	0.8	1

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37	Facile Synthesis of 1-Substituted 4,5-Diaminopyrazoles and Its Application Toward the Synthesis of Pyrazolo[3,4-b]pyrazines.. ChemInform, 2004, 35, no.	0.1	0
38	Facile Synthesis of 1-Substituted 2-Amino-3-cyanopyrroles: New Synthetic Precursors for 5,6-Unsubstituted Pyrrolo[2,3-d]pyrimidines.. ChemInform, 2004, 35, no.	0.1	0
39	Reinvestigation of the Synthesis of 1-Deazauridine. Nucleosides, Nucleotides and Nucleic Acids, 2010, 29, 523-534.	0.4	0
40	Synthesis of 6-substituted uracil and uridine derivatives. , 2014, , .		0