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Accounts and Rapid Communications in Chemical Synthesis

March 2, 2021 • Vol. 32, 329–428

Cluster

Radicals – by Young Chinese Organic Chemists Editor: Ang Li, Guest Editors: Chen Zhu, Xin-Yuan Liu









Accounts and Rapid Communications in Chemical Synthesis 2021 Vol. 32, No. 4 March I

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Syn <mark>lett</mark>	Designing the Secondary Coordination Sphere in Small-Molecule	Synpacts
Synlett 2021 , 32, 329–336 DOI: 10.1055/s-0040-1707326	Catalysis	329
I. L. Zak S. C. Gadekar A. Milo* Ben-Gurion University of the Negev, Israel	Ph Ph B Coordination sphere Secondary coordination sphere	







Syn lett	Cluster Preface: Radicals – by Young Chinese Organic Chemists	Cluster
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Synlett 2021, 32, 356-361 DOI: 10.1055/a-1300-3453

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Investigations on the 1,2-Hydrogen Atom Transfer Reactivity of Alkoxyl Radicals under Visible-Light-Induced Reaction Conditions

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[Ir], HE blue LED X = N-phthalimide or N-0 R R alkoxylpyridinium salt or HE = Hantzsch ester $\sqrt{}$ Ĥ

a series of mechanistic investigations to validate the 1,2-HAT of alkoxyl radicals

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Synlett **2021**, *32*, 362–368 DOI: 10.1055/s-0040-1706646

Z.-H. Zhang H. Wei Z.-L. Li X.-Y. Liu* Southern University of Science and Technology, P. R. of China



R = 2° and 3° alkyl

Synlett	C–H Alkylation of Heteroarenes with Alkyl Oxalates by Molecular Pho-	Cluster
Synlett 2021 , 32, 369–372 DOI: 10.1055/a-1296-8652	toelectrocatalysis	369
F. Xu XL. Lai HC. Xu* Xiamen University, P. R. of China	$(Het) - H + R^{O} \rightarrow O_{O}^{CO_{2}H} \xrightarrow{(Het) - R} (Het) - R$	
	 No metal catalyst O 20 examples No external oxidant 18–96% yields 	



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Syn <mark>lett</mark>	Visible-Light-Driven Phosphonoalkylation of Alkenes	Cluster
Synlett 2021, 32, 378–382 DOI: 10.1055/s-0040-1706681 YM. Jiang J. Liu Q. Fu* YM. Yu* DG. Yu* Xinjiang University, P. R. of China Sichuan University, P. R. of China Southwest Medical University, P. R. of China	Ar OMs/OTs + HP(O)R ₂ R = Ar' or OR' • Mild reaction conditions • Good functional group tolerance • Important products	378

Synlett	Radical-Hydroboration-Involved One-Pot Synthesis of Boron-Handled	Cluster
Synlett 2021 , 32, 383–386	Glycol Derivatives	383
B-Y. Zhuang JK. Jin FL. Zhang* YF. Wang* University of Science and Tech- pology of China. P. R. of China	$Ar \longrightarrow BH_{3}^{(ac)} Ar \longrightarrow Bh_{3}$	







University of Chinese Academy of Sciences, P. R. of China

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Synlett Radical-Mediated Hetaryl Functionalization of Nonactivated Alkenes Cluster through Distal ipso-Migration of O- or S-Hetaryls Synlett 2021, 32, 401-405 401 DOI: 10.1055/s-0040-1705968 OF



Addition of heteroatom radicals Formation of C–Het and C–C bonds

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Synlett 2021, 32, 411-416 DOI: 10.1055/s-0040-1706600

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> R² = H, Me R³ = alkyl



Regioselective

Zn(OTf)₂-Catalyzed 1,6-Conjugate Addition of Benzoxazinones to



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Synlett **2021**, 32, 423–428 DOI: 10.1055/a-1303-5613

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Synthetic Study on Acremoxanthone A, Part 2: Model Study on the EFG

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