

Highly Efficient Cu(OAc)₂•Catalyzed Dim
Hydrofullerenes Leading to Single•Bonded [60]Fullere

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ferric Perchlorate-Mediated Synthesis of 1,2-Fullerenols C ₆₀ (OCOR)(OH). Journal of Organic Chemistry, 2012, 77, 6643-6647.	1.7	22
2	Fullerenyl Boronic Esters: Ferric Perchlorate-Mediated Synthesis and Functionalization. Organic Letters, 2012, 14, 1800-1803.	2.4	38
3	Head-to-Tail and Back-to-Back Dimerization of an Open-Cage Fullerene Derivative through π - π Interaction-Based Self-Assembly. Organic Letters, 2012, 14, 4002-4005.	2.4	22
4	NaOH-Catalyzed Dimerization of Monofunctionalized Hydrofullerenes: Transition-Metal-Free, General, and Efficient Synthesis of Single-Bonded [60]Fullerene Dimers. Organic Letters, 2012, 14, 3466-3469.	2.4	34
5	Ferric perchlorate-mediated radical reactions of [60]fullerene. Science China Chemistry, 2012, 55, 2009-2017.	4.2	21
6	Palladium-Catalyzed and Hybrid Acids-Assisted Synthesis of [60]Fulleroazepines in One Pot under Mild Conditions: Annulation of <i>N</i> -Sulfonyl- α -aminobiphenyls with [60]Fullerene through Sequential C-H Bond Activation, C-C and C-N Bond Formation. Advanced Synthesis and Catalysis, 2012, 354, 2473-2483.	2.1	37
7	Palladium-catalyzed tetraallylation of C ₆₀ with allyl chloride and allylstannane: mechanism, regioselectivity, and enantioselectivity. Chemical Science, 2012, 3, 3474.	3.7	33
8	C-Calkyl bond formation from Cu(ClO ₄) ₂ -mediated oxidative cross coupling reaction between arenes and alkyl lithium reagents through structurally well-defined Ar-Cu(iii) intermediates. Chemical Communications, 2012, 48, 9418.	2.2	51
9	Copper(II)-Catalyzed Aerobic Oxidative Synthesis of Substituted 1,2,3- and 1,2,4-Triazoles from Bisarylhydrazones via C-H Functionalization/C-C/N-N/C-N Bonds Formation. Journal of Organic Chemistry, 2012, 77, 5063-5073.	1.7	105
10	Synthesis of [60]Fullerene-Fused Sultones via Sulfonic Acid Group-Directed C-H Bond Activation. Organic Letters, 2012, 14, 2176-2179.	2.4	64
11	CuBr/PMDETA-Mediated Reactions of [60]Fullerene with Active Halides: Preparation of Methano[60]Fullerene Derivatives. European Journal of Organic Chemistry, 2012, 2012, 4918-4922.	1.2	14
12	Palladium-catalysed heteroannulation of [60]fullerene with N-benzyl sulfonamides and subsequent functionalisation. Chemical Communications, 2012, 48, 8132.	2.2	40
13	Co-Catalyzed Radical Cycloaddition of [60]Fullerene with Active Dibromides: Selective Synthesis of Carbocycle-Fused Fullerene Monoadducts. Organic Letters, 2013, 15, 4030-4033.	2.4	58
14	Fullerenes. Annual Reports on the Progress of Chemistry Section A, 2013, 109, 436.	0.8	9
15	PhI(OAc) ₂ /I ₂ -mediated [3+2] reaction of [60]fullerene with amides for the preparation of fullerooxazoles. Tetrahedron Letters, 2013, 54, 6799-6803.	0.7	22
16	Oxygen-Bridged 1,2- β ,4- β -RC ₆₀ -O-RC ₆₀ Unsymmetrical Dimer. Organic Letters, 2013, 15, 1642-1645.	2.4	9
18	Radical Reactions of Fullerenes: From Synthetic Organic Chemistry to Materials Science and Biology. Chemical Reviews, 2013, 113, 5262-5321.	23.0	331
19	DMAP-Catalyzed [3 + 2] and [4 + 2] Cycloaddition Reactions between [60]Fullerene and Unmodified Morita-Baylis-Hillman Adducts in the Presence of Ac ₂ O. Journal of Organic Chemistry, 2013, 78, 1163-1170.	1.7	30

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21	Formation of Singly Bonded Fullerene Dimers in Electrospray Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30253-30259.	1.5	7
22	Synthesis of [60]Fullerene-Fused Tetrahydrobenzoxepine and Isochroman Derivatives via Hydroxyl-Directed C-H Activation/C-O Cyclization. <i>Organic Letters</i> , 2014, 16, 1638-1641.	2.4	41
23	Mobility of Long-Lived Fullerene Radical in Solid State and Nonlinear Temperature Dependence. <i>Journal of the American Chemical Society</i> , 2014, 136, 3366-3369.	6.6	19
24	Cu-Catalyzed C-H Amination of Hydrofullerenes Leading to 1,4-Difunctionalized Fullerenes. <i>Organic Letters</i> , 2014, 16, 620-623.	2.4	51
25	Hypervalent Iodine Reagent Mediated Diamination of [60]Fullerene with Sulfamides or Phosphoryl Diamides. <i>Organic Letters</i> , 2014, 16, 5882-5885.	2.4	29
26	NBS-promoted oxidation of fullerene monoradicals leading to regioselective 1,4-difunctional fullerenes. <i>Chemical Communications</i> , 2014, 50, 15730-15732.	2.2	14
27	Synthesis of Ortho Acid Ester-Type 1,3-Dioxolanofullerenes: Radical Reaction of [60]Fullerene with Halocarboxylic Acids Promoted by Lead(IV) Acetate. <i>Journal of Organic Chemistry</i> , 2014, 79, 11155-11160.	1.7	13
28	Synthesis of [60]Fullerene-Fused Tetrahydroazepinones and Azepinonimines via Cu(OAc) ₂ -Promoted N-Heteroannulation Reaction. <i>Organic Letters</i> , 2014, 16, 1020-1023.	2.4	61
29	Synthesis of oxazolidinofullerenes/thiazolidinofullerenes: novel reaction of [60]fullerene with isocyanates/isothiocyanates promoted by ferric perchlorate. <i>RSC Advances</i> , 2014, 4, 48085-48094.	1.7	23
30	Alleno-acetylenic scaffolding for the construction of axially chiral C ₆₀ dimers. <i>Tetrahedron</i> , 2014, 70, 6193-6202.	1.0	4
31	Manganese powder promoted highly efficient and selective synthesis of fullerene mono- and biscycloadducts at room temperature. <i>Scientific Reports</i> , 2015, 5, 13920.	1.6	7
32	Synthesis of Fullerene-Fused Dioxanes/Dioxepanes: Ferric Perchlorate-Mediated One-Step Reaction of [60]Fullerene with Diols. <i>Journal of Organic Chemistry</i> , 2015, 80, 6037-6043.	1.7	38
33	Synthesis and Performance of New Organic Dyes and Functional Fullerenes for Organic Solar Cells. <i>ACS Symposium Series</i> , 2015, , 193-236.	0.5	2
34	Cu(OAc) ₂ -promoted reaction of [60]fullerene with primary amines or diamines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8405-8410.	1.5	16
35	Ni-Catalyzed direct 1,4-difunctionalization of [60]fullerene with benzyl bromides. <i>Chemical Communications</i> , 2015, 51, 6392-6394.	2.2	42
36	Copper(catalyzed) heteroannulation of [60]fullerene with ketoxime acetates: preparation of novel 1-fulleropyrrolines. <i>Chemical Communications</i> , 2015, 51, 6548-6551.	2.2	56
37	Synthesis of [60]Fullerene-Fused Tetralones via Palladium-Catalyzed Ketone-Directed C-H Activation and C-H Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1548-1554.	2.1	23
38	Synthesis of [60]Fullerene-Fused Spiroindanes by Palladium-Catalyzed Oxidative Annulation of [60]Fullerene with 2-Aryl Cyclic 1,3-Dicarbonyl Compounds. <i>Organic Letters</i> , 2016, 18, 2616-2619.	2.4	33

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39	Cu(OAc) ₂ -Mediated Reaction of [60]Fullerene with Aldehydes and Primary Amines for the Synthesis of Fulleropyrrolines. <i>Journal of Organic Chemistry</i> , 2016, 81, 9296-9307.	1.7	30
40	Methoxylation of Singly Bonded 1,4- C_{60} -Bn Dimer: Preferential Formation of 1,4-C ₆₀ Adduct with Sterically Less Demanding Addends and Stability Difference between 1,2- and 1,4-OMe(Bn)C ₆₀ . <i>Journal of Organic Chemistry</i> , 2016, 81, 6838-6842.	1.7	7
41	A Protocol for the Preparation of 2,5-Diaryl Fulleropyrrolidines: Thermal Reaction of [60]Fullerene with Aromatic Aldehydes and Arylmethanamines. <i>Journal of Organic Chemistry</i> , 2016, 81, 7662-7674.	1.7	36
42	Facile access to 2,5-diaryl fulleropyrrolidines: magnesium perchlorate-mediated reaction of [60]fullerene with arylmethanamines and aryl aldehydes. <i>RSC Advances</i> , 2016, 6, 79095-79105.	1.7	13
43	A mechanistic study of manganese(III) acetate-mediated phosphonyl group additions to [60]- and [70]-fullerenes: the oxidative-ion-transfer mechanism vs. free radical addition. <i>Dalton Transactions</i> , 2016, 45, 16838-16849.	1.6	8
44	Cu(OAc) ₂ -Mediated Reaction of C ₆₀ with Ureas for the Preparation of Fullerimidazolidinones. <i>Journal of Organic Chemistry</i> , 2016, 81, 1157-1163.	1.7	20
45	Synthesis and Functionalization of Symmetrical 2,5-Diaryl Fulleropyrrolidines: Ferric Perchlorate-Mediated One-Step Reaction of [60]Fullerene with Arylmethanamines. <i>Journal of Organic Chemistry</i> , 2016, 81, 1769-1777.	1.7	33
46	Ferric perchlorate-mediated one-step reaction of [60]fullerene with primary amides for the synthesis of fullerooxazoles. <i>New Journal of Chemistry</i> , 2016, 40, 1626-1632.	1.4	15
47	KO ^t Bu-Mediated, Three-Component Coupling Reaction of Indoles, [60]Fullerene, and Haloalkanes: One-Pot, Transition-Metal-Free Synthesis of Various 1,4-(3-Indole)(organo)[60]fullerenes. <i>Organic Letters</i> , 2017, 19, 1192-1195.	2.4	28
48	Copper-Promoted Synthesis of 2-Fulleropyrrolines via Heteroannulation of [60]Fullerene with α -Amino Ketones. <i>Journal of Organic Chemistry</i> , 2017, 82, 10823-10829.	1.7	16
49	Cascade Radical Reaction of <i>N</i> -Sulfonyl-2-allylanilines with [60]Fullerene: Synthesis and Functionalization of (2-Indolyl)methylated Hydrofullerenes. <i>Organic Letters</i> , 2017, 19, 5110-5113.	2.4	23
50	Synthesis of 2-Aryl-5-alkyl-fulleropyrrolidines: Metal-Free-Mediated Reaction of [60]Fullerene with Aromatic Aldehydes and Inactive Primary Amines. <i>Journal of Organic Chemistry</i> , 2017, 82, 8617-8627.	1.7	19
51	Site-Directed Dimerization of Bowl-Shaped Radical Anions to Form a β -Bonded Dibenzocorannulene Dimer. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6171-6175.	7.2	24
52	Synthesis of fullerotetrahydropyridazines <i>via</i> the copper-catalyzed heteroannulation of [60]fullerene with hydrazides. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1188-1193.	2.3	20
53	KO ^t Bu-Promoted C4 Selective Coupling Reaction of Phenols and [60]Fullerene: One-Pot Synthesis of 4-[60]Fullerophenols under Transition-Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2018, 83, 5431-5437.	1.7	11
54	Stereoselective synthesis of cyclopentafullerenes: the reaction of [60]fullerene with aldehydes and triethylamine promoted by magnesium perchlorate. <i>New Journal of Chemistry</i> , 2018, 42, 9291-9299.	1.4	10
55	Site-Directed Dimerization of Bowl-Shaped Radical Anions to Form a β -Bonded Dibenzocorannulene Dimer. <i>Angewandte Chemie</i> , 2018, 130, 6279-6283.	1.6	10
56	Stereoselective synthesis of <i>N</i> -ethyl-2-arylvinyl-5-methyl fulleropyrrolidines: reaction of [60]fullerene with aromatic aldehydes and triethylamine/diethylamine in the absence or presence of manganese(III) acetate. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2975-2985.	1.5	17

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57	Solvent-promoted catalyst-free regioselective <i>N</i> -incorporation multicomponent domino reaction: rapid assembly of β -functionalized [60]fullerene-fused dihydrocarbazoles. <i>Chemical Communications</i> , 2018, 54, 13331-13334.	2.2	12
58	Copper-Catalyzed β -H/ α -H Sequential Relay Oxidative Radical Carboannulation: Construction of Diversely Substituted [60]Fullerene-Fused Tetrahydrocyclopenta[<i>b</i>]indoles. <i>Organic Letters</i> , 2019, 21, 6461-6465.	2.4	16
59	General One-step Synthesis of Symmetrical or Unsymmetrical 1,4-Di(organo)fullerenes from Organo(hydro)fullerenes through Direct Oxidative Arylation. <i>Journal of Organic Chemistry</i> , 2019, 84, 12259-12267.	1.7	3
60	Mono-reduced Corannulene: To Couple and Not to Couple in One Crystal. <i>Chemistry - A European Journal</i> , 2019, 25, 14140-14147.	1.7	10
61	A Photocatalyst-Free, SET-Mediated Photochemical Approach for the Synthesis of Dumbbell-Like Amine-Functionalized Bis-C60 Fullerene through C-C Bond Formation. <i>Synlett</i> , 2019, 30, 1462-1468.	1.0	2
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63	Cu(II)/Mn(III)-Promoted Synergistic Radical N-Heteroannulation Reaction: Synthesis of [60]Fullerene-Fused Tetrahydroquinoline Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 7255-7264.	1.7	10
64	Dimerization of indenocorannulene radicals: imposing stability through increasing strain and curvature. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3591-3598.	2.3	11
65	Synthesis of [60]fullerene-fused dihydrobenzooxazepines via the palladium-catalyzed oxime-directed C-H bond activation and subsequent electrochemical functionalization. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2518-2525.	2.3	8
66	Coupling of two curved polyaromatic radical-anions: stabilization of dimers by counterions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6716-6726.	1.3	1
67	Potassium salt promoted regioselective three-component coupling synthesis of 1,4-asymmetrical [60]fullerene bisadducts with superior electron transport properties. <i>Chemical Communications</i> , 2020, 56, 9513-9516.	2.2	9
68	Stereoselective synthesis of amino-substituted cyclopentafullerenes promoted by magnesium perchlorate/ferric perchlorate. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 964-974.	1.5	7
69	Palladium-catalyzed domino spirocyclization of [60]fullerene: synthesis of diverse [60]fullerene-fused spiro[4,5]/[5,5] derivatives. <i>Chemical Communications</i> , 2021, 57, 49-52.	2.2	20
70	Implications of Nitrogen Doping on Geometrical and Electronic Structure of the Fullerene Dimers. <i>Chinese Journal of Chemistry</i> , 2021, 39, 93-98.	2.6	4
72	Metal-Free-Catalyzed Three-Component [2+2+2] Annulation Reaction of [60]Fullerene, Ketones, and Indoles: Access to Diverse [60]Fullerene-Fused 1,2-Tetrahydrocarbazoles. <i>Organic Letters</i> , 2021, 23, 1775-1781.	2.4	12
73	An α -Umpolung Relay-Strategy: One-Pot, Twice Polarity Inversion Cascade Synthesis of Diversified [60]Fulleroindoles. <i>Organic Letters</i> , 2021, 23, 1302-1308.	2.4	17
74	One-pot, three-component regioselective coupling reaction of triphenylamine/carbazole derivatives with [60]fullerene and indoles via an α -umpolung relay-strategy. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5994-5999.	2.3	8
75	Synthesis and characterization of single-bond fullerene dimer derivatives. <i>Journal of Materials Research</i> , 2020, 35, 2676-2683.	1.2	1

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76	Copper-Catalyzed Covalent Dimerization of Near-Infrared Fluorescent Cyanine Dyes: Synergistic Enhancement of Photoacoustic Signals for Molecular Imaging of Tumors. <i>Analysis & Sensing</i> , 2022, 2, .	1.1	3
77	Development of New Transition-Metal-Catalyzed Fullerene Functionalization. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2015, 73, 241-253.	0.0	0
78	Manganese(iii) acetate-mediated synthesis of N-substituted fulleropyrrolines via the reaction of [60]fullerene with α -monosubstituted acetaldehydes and primary amines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10139-10155.	1.5	1
80	Copper-Promoted Cascade Radical Reaction of [60]Fullerene with Arylglyoxals and Further Derivatization. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	5
81	NHC-Catalyzed Three-Component Hydroalkylation Reactions of [60]Fullerene: An Umpolung Approach to Diverse Monoalkylated Hydrofullerenes. <i>Organic Letters</i> , 2022, 24, 3691-3695.	2.4	7
82	Transition-Metal-Free Domino Reaction of [60]Fullerene, Indole, and DMSO/HCl: One-Pot Access to Diverse N-Substituted [60]Fulleroindole Derivatives. <i>Journal of Organic Chemistry</i> , 2022, 87, 7945-7954.	1.7	3
83	Transition Metal Salt-Catalyzed Reactions of [60]Fullerene. , 2022, , 503-539.		1
84	Synthesis of diverse unsymmetric 1,4-adducts via a three-component coupling reaction of malonate derivatives, [60]fullerene and electrophiles/nucleophiles. <i>Organic Chemistry Frontiers</i> , 2023, 10, 1626-1632.	2.3	4
85	One-Pot Synthesis of Diverse 1,4-[60]Fullerophenols via Three-Component Umpolung Cascade Coupling of Phenols, C60, and Nucleophiles. <i>Chemistry - A European Journal</i> , 0, , .	1.7	0