

Guan-Wu Wang

List of Publications by Year in descending order

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245
papers

10,936
citations

28274

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319
all docs

319
docs citations

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times ranked

7316
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemical organic synthesis. <i>Chemical Society Reviews</i> , 2013, 42, 7668.	38.1	733
2	Synthesis and X-ray structure of dumb-bell-shaped C ₁₂₀ . <i>Nature</i> , 1997, 387, 583-586.	27.8	529
3	One-Pot Formation of C-C and C-N Bonds through Palladium-Catalyzed Dual C-H Activation: Synthesis of Phenanthridinones. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1380-1383.	13.8	290
4	Mechanochemistry of fullerenes and related materials. <i>Chemical Society Reviews</i> , 2013, 42, 7535.	38.1	279
5	Insertion of Helium and Molecular Hydrogen Through the Orifice of an Open Fullerene. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1543-1546.	13.8	234
6	Mechanochemical Synthesis and Characterization of the Fullerene Dimer C ₁₂₀ . <i>Journal of Organic Chemistry</i> , 1998, 63, 9358-9366.	3.2	215
7	Direct Ortho-Acetoxylation of Anilides via Palladium-Catalyzed sp ² C-H Bond Oxidative Activation. <i>Journal of Organic Chemistry</i> , 2008, 73, 4717-4720.	3.2	198
8	Palladium-Catalyzed Alkoxylation of <i>N</i> -Methoxybenzamides via Direct sp ² C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2010, 75, 476-479.	3.2	170
9	Magnetic Nanoparticles-Supported Palladium: A Highly Efficient and Reusable Catalyst for the Suzuki, Sonogashira, and Heck Reactions. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1307-1318.	4.3	170
10	Direct Oxidative Amidation of Aldehydes with Anilines under Mechanical Milling Conditions. <i>Journal of Organic Chemistry</i> , 2008, 73, 2955-2958.	3.2	135
11	Palladium-Catalyzed Ortho-Alkoxylation of Anilides via C-H Activation. <i>Journal of Organic Chemistry</i> , 2012, 77, 9504-9509.	3.2	131
12	Rapid and efficient synthesis of poly-substituted quinolines assisted by <i>p</i> -toluene sulphonic acid under solvent-free conditions: comparative study of microwave irradiation versus conventional heating. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 104-110.	2.8	129
13	Single C ₅₉ N Molecule as a Molecular Rectifier. <i>Physical Review Letters</i> , 2005, 95, 045502.	7.8	127
14	Azide Passivation of Black Phosphorus Nanosheets: Covalent Functionalization Affords Ambient Stability Enhancement. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1479-1483.	13.8	123
15	Synthesis of isoindolinones via palladium-catalyzed C-H activation of <i>N</i> -methoxybenzamides. <i>Chemical Communications</i> , 2011, 47, 12789.	4.1	119
16	Palladium-Catalyzed Decarboxylative Ortho Acylation of Azobenzenes with α -Oxocarboxylic Acids. <i>Journal of Organic Chemistry</i> , 2013, 78, 10414-10420.	3.2	115
17	Benzyne Adds Across a Closed 5 ⁶ Ring Fusion in C ₇₀ : Evidence for Bond Delocalization in Fullerenes. <i>Journal of the American Chemical Society</i> , 1998, 120, 2337-2342.	13.7	109
18	Palladium-Catalyzed Heteroannulation of [60]Fullerene with Anilides via C-H Bond Activation. <i>Organic Letters</i> , 2009, 11, 4334-4337.	4.6	109

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19	One-Pot Sequential Synthesis of Acetoxyated [60]Fullerene Derivatives. <i>Journal of Organic Chemistry</i> , 2005, 70, 2380-2383.	3.2	106
20	Environmentally benign one-pot multi-component approaches to the synthesis of novel unsymmetrical 4-arylacridinediones. <i>Green Chemistry</i> , 2006, 8, 1080.	9.0	104
21	Ruthenium-Catalyzed <i>meta</i> -Selective C-H Mono- and Difluoromethylation of Arenes through <i>ortho</i> -Metalation Strategy. <i>Chemistry - A European Journal</i> , 2017, 23, 3285-3290.	3.3	101
22	Solvent-free bromination reactions with sodium bromide and oxone promoted by mechanical milling. <i>Green Chemistry</i> , 2012, 14, 1125.	9.0	98
23	Benign and highly efficient synthesis of quinolines from 2-aminoarylketone or 2-aminoarylaldehyde and carbonyl compounds mediated by hydrochloric acid in water. <i>Tetrahedron Letters</i> , 2006, 47, 1059-1063.	1.4	94
24	Synthesis of 3-Acylindoles by Palladium-Catalyzed Acylation of Free (N-H) Indoles with Nitriles. <i>Organic Letters</i> , 2013, 15, 788-791.	4.6	93
25	Synthesis of Fullerooxazoles: Novel Reactions of [60]Fullerene with Nitriles Promoted by Ferric Perchlorate. <i>Journal of Organic Chemistry</i> , 2008, 73, 6417-6420.	3.2	92
26	Silica gel supported pyrrolidine-based chiral ionic liquid as recyclable organocatalyst for asymmetric Michael addition to nitrostyrenes. <i>Tetrahedron</i> , 2008, 64, 7633-7638.	1.9	91
27	Reaction of [60]fullerene with free radicals generated from active methylene compounds by manganese(III) acetate dihydrate. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 4403.	2.8	89
28	Palladium-Catalyzed Ortho-Arylation of Benzamides via Direct sp ² C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2012, 77, 3341-3347.	3.2	86
29	Palladium-Catalyzed Desulfitative Heck-Type Reaction of Aryl Sulfinic Acids with Alkenes. <i>Chemistry - A European Journal</i> , 2011, 17, 5787-5790.	3.3	85
30	Selective Formation of Spiro Dihydrofurans and Cyclopropanes Through Unexpected Reaction of Aldehydes with 1,3-Dicarbonyl Compounds. <i>Organic Letters</i> , 2009, 11, 2385-2388.	4.6	84
31	Synthesis of ketones by palladium-catalysed desulfitative reaction of arylsulfinic acids with nitriles. <i>Chemical Communications</i> , 2011, 47, 9501.	4.1	80
32	Aminobromination of olefins with TsNH ₂ and NBS as the nitrogen and bromine sources mediated by hypervalent iodine in a ball mill. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 548-553.	2.8	79
33	Radical Reaction of [60]Fullerene with Phosphorus Compounds Mediated by Manganese(III) Acetate. <i>Journal of Organic Chemistry</i> , 2011, 76, 6088-6094.	3.2	79
34	Self-Decoupled Porphyrin with a Tripodal Anchor for Molecular-Scale Electroluminescence. <i>Journal of the American Chemical Society</i> , 2013, 135, 15794-15800.	13.7	77
35	Unexpected Solvent-Free Cycloadditions of 1,3-Cyclohexanediones to 1-(Pyridin-2-yl)-enones Mediated by Manganese(III) Acetate in a Ball Mill. <i>Journal of Organic Chemistry</i> , 2008, 73, 7088-7095.	3.2	76
36	Phosphotungstic Acid Catalyzed Amidation of Alcohols. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4367-4371.	2.4	74

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37	Efficient and Clean Aldol Condensation Catalyzed by Sodium Carbonate in Water. <i>Chemistry Letters</i> , 2003, 32, 966-967.	1.3	73
38	Cu(ii) acetate- and Mn(iii) acetate-mediated radical reactions of [60]fullerene with ketonic compounds. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 794.	2.8	73
39	Anchoring Fullerene onto Perovskite Film via Grafting Pyridine toward Enhanced Electron Transport in High-Efficiency Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32471-32482.	8.0	73
40	Reversible Diels-Alder Addition to Fullerenes: A Study of Equilibria Using ³ He NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 256-259.	13.7	72
41	Solvent-free synthesis of naphthopyrans under ball-milling conditions. <i>Tetrahedron</i> , 2008, 64, 10148-10154.	1.9	72
42	Solvent-free mechanochemical and one-pot reductive benzylizations of malononitrile and 4-methylaniline using Hantzsch 1,4-dihydropyridine as the reductant. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1617.	2.8	68
43	Manganese(iii) acetate-mediated radical reaction of [60]fullerene with phosphonate esters affording unprecedented separable singly-bonded [60]fullerene dimers. <i>Chemical Communications</i> , 2011, 47, 6111.	4.1	68
44	Manganese(III) Acetate-Promoted Cross-Coupling Reaction of Benzothiazole/Thiazole Derivatives with Organophosphorus Compounds under Ball-Milling Conditions. <i>Journal of Organic Chemistry</i> , 2016, 81, 5433-5439.	3.2	68
45	1,4-Fullerenols C ₆₀ ArOH: Synthesis and Functionalization. <i>Organic Letters</i> , 2009, 11, 1507-1510.	4.6	67
46	Regioselective Electrosynthesis of Rare 1,2,3,16-Functionalized [60]Fullerene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3006-3010.	13.8	65
47	Direct Decarboxylative <i>Meta</i> -Selective Acylation of Arenes via an <i>Ortho</i> -Ruthenation Strategy. <i>ACS Catalysis</i> , 2018, 8, 11875-11881.	11.2	65
48	Synthesis of [60]Fullerene-Fused Sultones via Sulfonic Acid Group-Directed C-H Bond Activation. <i>Organic Letters</i> , 2012, 14, 2176-2179.	4.6	64
49	The First Structurally Characterized Homofullerene (Fulleroid). <i>Journal of the American Chemical Society</i> , 1999, 121, 7971-7972.	13.7	62
50	Unexpected Reactions of [60]Fullerene Involving Tertiary Amines and Insight into the Reaction Mechanisms. <i>Chemistry - A European Journal</i> , 2006, 12, 7246-7253.	3.3	59
51	[60]Fullerene-Fused Lactones: Manganese(III) Acetate-Mediated Synthesis and Novel Reductive Ring Opening. <i>Organic Letters</i> , 2006, 8, 1355-1358.	4.6	58
52	Synthesis of [60]Fulleroidindolines: Palladium-Catalyzed Heteroannulations of [60]Fullerene with o-Iodoanilines. <i>Journal of Organic Chemistry</i> , 2009, 74, 4426-4428.	3.2	58
53	Preparation of C ₇₀ H ₂ , C ₇₀ H ₄ , and C ₇₀ H ₈ : Three Independent Reduction Manifolds in the Zn(Cu) Reduction of C ₇₀ . <i>Journal of Organic Chemistry</i> , 1998, 63, 9865-9871.	3.2	56
54	Synthesis of [60]Fullerene-Fused Tetrahydronaphthalene and Indane Derivatives via a Pathway Switched by Aluminum Chloride. <i>Organic Letters</i> , 2011, 13, 6130-6133.	4.6	56

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55	Synthesis and Functionalization of [60]Fullerene-Fused Imidazolines. <i>Organic Letters</i> , 2013, 15, 1532-1535.	4.6	56
56	Copper-catalyzed heteroannulation of [60]fullerene with ketoxime acetates: preparation of novel 1-fulleropyrrolines. <i>Chemical Communications</i> , 2015, 51, 6548-6551.	4.1	56
57	Radical reactions of [60]fullerene with β -enamino carbonyl compounds mediated by manganese(III) acetate. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2595-2599.	2.8	55
58	One-Pot Multicomponent Mechanosynthesis of Polysubstituted <i>trans</i> -2,3-Dihydropyrroles and Pyrroles from Amines, Alkyne Esters, and Chalcones. <i>Journal of Organic Chemistry</i> , 2018, 83, 6035-6049.	3.2	55
59	Synthesis of Disubstituted [60]Fullerene-Fused Lactones: Ferric Perchlorate-Promoted Reaction of [60]Fullerene with Malonate Esters. <i>Organic Letters</i> , 2010, 12, 4896-4899.	4.6	53
60	Mechanochemical Michael Reactions of Chalcones and Azachalcones with Ethyl Acetoacetate Catalyzed by K_2CO_3 under Solvent-Free Conditions. <i>Chemistry Letters</i> , 2004, 33, 168-169.	1.3	52
61	Benign and Efficient Synthesis of 2-Substituted 4(3H)-Quinazolinones Mediated by Iron(III) Chloride Hexahydrate in Refluxing Water. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 1426-1430.	3.2	52
62	Transition Metal Salt-Mediated Radical Reactions of [60]Fullerene. <i>Current Organic Chemistry</i> , 2012, 16, 1109-1127.	1.6	52
63	$FeCl_3$ -Mediated Cyclization of [60]Fullerene with <i>N</i> -Benzhydryl Sulfonamides under High-Speed Vibration Milling Conditions. <i>Organic Letters</i> , 2013, 15, 3408-3411.	4.6	52
64	Radical Reactions of [60]Fullerene Mediated by Manganese(III) Acetate Dihydrate. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1162-1175.	0.9	51
65	Synthesis of Fullerene-Fused Lactones and Fullerenyl Esters: Radical Reaction of [60]Fullerene with Carboxylic Acids Promoted by Manganese(III) Acetate and Lead(IV) Acetate. <i>Journal of Organic Chemistry</i> , 2009, 74, 7743-7749.	3.2	51
66	A New Method for Separating the Isomeric C ₈₄ Fullerenes. <i>Journal of the American Chemical Society</i> , 2000, 122, 3216-3217.	13.7	50
67	Selective addition to [60]fullerene of two different radicals generated from Mn(III)-based radical reaction. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1160.	2.8	50
68	The solid-phase reaction [60]fullerene: novel addition of organozinc reagents. <i>Chemical Communications</i> , 1996, , 2059.	4.1	49
69	Microwave-Accelerated Pd-Catalyzed Desulfitative Direct C ₂ Arylation of Free (NH)Indoles with Arylsulfinic Acids. <i>Chemistry - an Asian Journal</i> , 2013, 8, 3185-3190.	3.3	49
70	Solvent-free reactions of C ₆₀ with active methylene compounds, either with or without carbon tetrabromide, in the presence of bases under high-speed vibration milling conditions. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1698.	2.8	48
71	Palladium-catalyzed ortho-acyloxylation of <i>N</i> -nitrosoanilines via direct sp^2 C-H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6958-6964.	2.8	48
72	Solvent-free reactions of fullerenes and <i>N</i> -alkylglycines with and without aldehydes under high-speed vibration milling. <i>Tetrahedron</i> , 2003, 59, 55-60.	1.9	46

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73	The Cycloaddition Reaction of $I_{hC_{3N@C_{80}}$ with 2-Amino-4,5-diisopropoxybenzoic Acid and Isoamyl Nitrite to Produce an Open-Cage Metallofullerene. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4658-4662.	13.8	46
74	Fullerene Mechanochemistry: Serendipitous Discovery of Dumbbell-Shaped C_{120} and Beyond. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1797-1803.	4.9	46
75	Solid-state radical reactions of 1,3-cyclohexanediones with in situ generated imines mediated by manganese(III) acetate under mechanical milling conditions. <i>Chemical Communications</i> , 2004, , 1832-1833.	4.1	45
76	Palladium-catalyzed synthesis of [60]fullerene-fused benzofurans via heteroannulation of phenols. <i>Chemical Communications</i> , 2017, 53, 1852-1855.	4.1	45
77	Mechanochemical Aminochlorination of Electron-Deficient Olefins with Chloramine-T Promoted by (Diacetoxyiodo)benzene. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1977-1982.	4.3	44
78	A Facile Access to [60]Fullerene-Fused 1,3-Dioxolanes: Reaction of [60]Fullerene with Aldehydes/Ketones Promoted by Ferric Perchlorate. <i>Organic Letters</i> , 2010, 12, 3258-3261.	4.6	44
79	Annulation of Benzamides with [60]Fullerene through Palladium(II)-Catalyzed C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2011, 76, 1599-1604.	3.2	44
80	[60]Fullerene adducts with 9-substituted anthracenes: mechanochemical preparation and retro Diels-Alder reaction. <i>Tetrahedron</i> , 2005, 61, 4851-4856.	1.9	43
81	Efficient $ZnBr_2$ -catalyzed reactions of allylic alcohols with indoles, sulfamides and anilines under high-speed vibration milling conditions. <i>Green Chemistry</i> , 2013, 15, 1659.	9.0	43
82	Environmentally Friendly and Efficient Synthesis of Various 1,4-Dihydropyridines in Pure Water. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 454-459.	3.2	42
83	Novel solvent-free reaction of C_{60} with active methylene compounds in the presence of Na_2CO_3 under high-speed vibration milling. <i>Tetrahedron Letters</i> , 2003, 44, 4407-4409.	1.4	41
84	Aminochlorination in Water: First Brønsted Acid-Promoted Synthesis of Vicinal Chloramines. <i>Journal of Organic Chemistry</i> , 2007, 72, 9398-9401.	3.2	41
85	Microwave-assisted solvent-free synthesis of substituted 2-quinolones. <i>Tetrahedron</i> , 2007, 63, 892-897.	1.9	41
86	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.	4.6	41
87	Novel multicomponent reaction of [60]fullerene: the first example of 1,4-dipolar cycloaddition reaction in fullerene chemistry. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4063.	2.8	40
88	Palladium-catalysed heteroannulation of [60]fullerene with N-benzyl sulfonamides and subsequent functionalisation. <i>Chemical Communications</i> , 2012, 48, 8132.	4.1	40
89	Palladium-Catalyzed Decarboxylative Ortho-Ethoxycarbonylation of O-Methyl Ketoximes and 2-Arylpyridines with Potassium Oxalate Monoester. <i>Organic Letters</i> , 2015, 17, 4866-4869.	4.6	40
90	Palladium-Catalyzed Decarboxylative Annulation of 2-Arylbenzoic Acids with [60]Fullerene via C-H Bond Activation. <i>Organic Letters</i> , 2015, 17, 1260-1263.	4.6	39

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91	Fullerenyl Boronic Esters: Ferric Perchlorate-Mediated Synthesis and Functionalization. <i>Organic Letters</i> , 2012, 14, 1800-1803.	4.6	38
92	Azide Addition to an Endohedral Metallofullerene: Formation of Azafulleroids of Sc ₃ N@I _h -C ₈₀ . <i>Journal of the American Chemical Society</i> , 2012, 134, 11956-11959.	13.7	38
93	Highly efficient neat synthesis of xanthenediones and acridinediones. <i>Arkivoc</i> , 2009, 2008, 1-8.	0.5	38
94	Functionalization of [60]Fullerene via Palladium-Catalyzed C-H Bond Activation. <i>Topics in Organometallic Chemistry</i> , 2015, , 119-136.	0.7	37
95	Novel Functionalizations of [60]Fullerene-Fused Lactones. <i>Journal of Organic Chemistry</i> , 2007, 72, 4774-4778.	3.2	36
96	Palladium-Catalyzed Decarboxylative ortho-Acylation of Benzamides with α -Oxocarboxylic Acids. <i>Journal of Organic Chemistry</i> , 2017, 82, 12715-12725.	3.2	36
97	Accurate Calculation, Prediction, and Assignment of ³ He NMR Chemical Shifts of Helium-3-Encapsulated Fullerenes and Fullerene Derivatives. <i>Journal of Organic Chemistry</i> , 2003, 68, 6732-6738.	3.2	35
98	Phosphotungstic Acid Catalyzed Direct Benzoylation of α -Dicarbonyl Compounds. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4999-5004.	2.4	35
99	Reaction of sodium alkoxides with [60]fullerene: formation of a 1,3-dioxolane derivative and involvement of O ₂ in a nucleophilic addition reaction of C ₆₀ . <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1071.	2.0	34
100	Novel Cycloaddition Reaction of [60]Fullerene with Carbonyl Ylides Generated from Epoxides. <i>Journal of Organic Chemistry</i> , 2006, 71, 4346-4348.	3.2	34
101	Hypervalent iodine-mediated aminobromination of olefins in water. <i>Tetrahedron</i> , 2009, 65, 8802-8807.	1.9	34
102	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.	4.6	33
103	Double-site defect passivation of perovskite film via fullerene additive engineering toward highly efficient and stable bulk heterojunction solar cells. <i>Nano Today</i> , 2021, 39, 101164.	11.9	33
104	Ferric Chloride-Catalyzed Reaction of [60]Fullerene with tert-Butyl N-Substituted Carbamates: Synthesis of Oxazolidino[4,5:1,2][60]fullerenes. <i>Journal of Organic Chemistry</i> , 2014, 79, 117-121.	3.2	32
105	A retro Baeyer-Villiger reaction: electrochemical reduction of [60]fullerene-fused lactones to [60]fullerene-fused ketones. <i>Chemical Science</i> , 2019, 10, 3012-3017.	7.4	32
106	Regioselective electrosynthesis of tetra- and hexa-functionalized [60]fullerene derivatives with unprecedented addition patterns. <i>Chemical Science</i> , 2020, 11, 384-388.	7.4	32
107	Solvent-free N-iodosuccinimide-promoted synthesis of spiroimidazolines from alkenes and amidines under ball-milling conditions. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2864-2869.	4.5	31
108	Palladium-Catalyzed Heteroannulation of Indole-1-carboxamides with [60]Fullerene and Subsequent Electrochemical Transformations. <i>Organic Letters</i> , 2019, 21, 8568-8571.	4.6	31

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109	Preparation and properties of sulfonate salt-type cleavable surfactants with a 1,3-dioxane ring. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1994, 71, 727-730.	1.9	30
110	Novel Reactions of [60]Fullerene with Amino Acid Esters and Carbon Disulfide. <i>Journal of Organic Chemistry</i> , 2006, 71, 680-684.	3.2	30
111	Aminohalogenation of Electron-Deficient Olefins Promoted by Hypervalent Iodine Compounds. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 6239-6246.	2.4	30
112	Synthesis of 2-Acylthiophenes by Palladium-Catalyzed Addition of Thiophenes to Nitriles. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 369-373.	4.3	30
113	Efficient Solvent-Free Synthesis of Quinolines Promoted by BiCl ₃ . <i>Letters in Organic Chemistry</i> , 2006, 3, 289-291.	0.5	29
114	Palladium-catalyzed heteroannulation of [60]fullerene with N-(2-arylethyl) sulfonamides via C-H bond activation. <i>Organic Chemistry Frontiers</i> , 2014, 1, 689-693.	4.5	29
115	Solvent-free iodine-promoted synthesis of 3,2-pyrrolinyl spirooxindoles from alkylidene oxindoles and enamino esters under ball-milling conditions. <i>Chemical Communications</i> , 2017, 53, 12477-12480.	4.1	29
116	Zinc-Mediated Reductive Cyclization of [60]Fullerene with Enones and Subsequent Dehydration under Solvent-Free and Ball-Milling Conditions. <i>Organic Letters</i> , 2019, 21, 2625-2628.	4.6	29
117	Environmentally Friendly and Efficient Process for the Preparation of β^2 -Hydroxyl Ketones. <i>Organic Process Research and Development</i> , 2004, 8, 18-21.	2.7	28
118	Synthesis of Fullerotetrahydroquinolines via [4 + 2] Cycloaddition Reaction of [60]Fullerene with in Situ Generated Aza-o-quinone Methides. <i>Journal of Organic Chemistry</i> , 2018, 83, 1959-1968.	3.2	28
119	Visible-light-induced decarboxylative sulfonylation of cinnamic acids with sodium sulfonates by using Merrifield resin supported Rose Bengal as a catalyst. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5578-5585.	2.8	28
120	A facile access to [60]fullerene-fused β -lactones: unexpected reaction pathway of benzenediazonium-2-carboxylates controlled by organic bases. <i>Chemical Communications</i> , 2009, , 1769.	4.1	27
121	Facile Access to Novel [60]Fullerenyl Diethers and [60]Fullerene "Sugar Conjugates via Annulation of Diol Moieties. <i>Organic Letters</i> , 2015, 17, 1862-1865.	4.6	27
122	Tribocatalysis: challenges and perspectives. <i>Science China Chemistry</i> , 2021, 64, 1609-1613.	8.2	27
123	Successively Regioselective Electrosynthesis and Electron Transport Property of Stable Multiply Functionalized [60]Fullerene Derivatives. <i>Research</i> , 2020, 2020, 2059190.	5.7	27
124	Palladium-catalyzed decarboxylative ortho-acylation of N-nitrosoanilines with β -oxocarboxylic acids. <i>Tetrahedron Letters</i> , 2016, 57, 1687-1690.	1.4	26
125	Regioselective acylation and carboxylation of [60]fulleroindoline via electrochemical synthesis. <i>Organic Chemistry Frontiers</i> , 2017, 4, 603-607.	4.5	26
126	Cu(I)-Catalyzed Synthesis of [60]Fullerene-Fused Lactams and Further Electrochemical Functionalization. <i>Organic Letters</i> , 2021, 23, 4051-4056.	4.6	26

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127	The Solid-State Mechanochemical Reaction of Fullerene C ₆₀ . Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 609-620.	0.6	25
128	Steering the electron transport properties of pyridine-functionalized fullerene derivatives in inverted perovskite solar cells: the nitrogen site matters. Journal of Materials Chemistry A, 2020, 8, 3872-3881.	10.3	25
129	Derivatization of Fullerene Dimer C ₁₂₀ by the Bingel Reaction and a ³ He NMR Study of ³ He@C ₁₂₀ Monoadducts. Journal of the American Chemical Society, 2001, 123, 10715-10720.	13.7	24
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