

# Wu-jiong Xia

## List of Publications by Year in descending order

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98  
papers

4,211  
citations

136740

32  
h-index

123241

61  
g-index

109  
all docs

109  
docs citations

109  
times ranked

3274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoredox functionalization of C-H bonds adjacent to a nitrogen atom. <i>Chemical Society Reviews</i> , 2012, 41, 7687.	18.7	966
2	Recent advances in radical-based C-N bond formation <i>via</i> photo-/electrochemistry. <i>Chemical Society Reviews</i> , 2018, 47, 2591-2608.	18.7	312
3	Visible-Light-Promoted Direct Amination of Phenols via Oxidative Cross-Dehydrogenative Coupling Reaction. <i>Organic Letters</i> , 2016, 18, 3326-3329.	2.4	129
4	Visible light-induced oxidative coupling reaction: easy access to Mannich-type products. <i>Chemical Communications</i> , 2012, 48, 2337.	2.2	127
5	Difunctionalization of Alkenes via the Visible-Light-Induced Trifluoromethylation/1,4-Aryl Shift/Desulfonylation Cascade Reactions. <i>Journal of Organic Chemistry</i> , 2015, 80, 5730-5736.	1.7	121
6	Oxidative C-C Bond Cleavage of Aldehydes via Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2013, 15, 624-627.	2.4	95
7	Photocatalytic Cross-Dehydrogenative Amination Reactions between Phenols and Diarylamines. <i>ACS Catalysis</i> , 2017, 7, 2446-2451.	5.5	94
8	Visible-Light-Triggered Directly Reductive Arylation of Carbonyl/Iminyl Derivatives through Photocatalytic PCET. <i>Organic Letters</i> , 2017, 19, 3807-3810.	2.4	90
9	Visible-Light Induced Trifluoromethylation of N-Arylcinnamamides for the Synthesis of CF <sub>3</sub> -Containing 3,4-Disubstituted Dihydroquinolinones and 1-Azaspiro[4.5]decanes. <i>Organic Letters</i> , 2015, 17, 3478-3481.	2.4	81
10	Three-component aminoselenation of alkenes <i>via</i> visible-light enabled Fe-catalysis. <i>Green Chemistry</i> , 2020, 22, 2804-2809.	4.6	79
11	Visible-Light-Mediated 1,7-Enyne Bicyclizations for Synthesis of Cyclopenta[quinolines and Benzo[phenanthridines. <i>Organic Letters</i> , 2016, 18, 600-603.	2.4	77
12	Reactivity Insight into Reductive Coupling and Aldol Cyclization of Chalcones by Visible Light Photocatalysis. <i>Journal of Organic Chemistry</i> , 2012, 77, 6302-6306.	1.7	63
13	UV Light-Mediated Difunctionalization of Alkenes through Aryl Radical Addition/1,4-/1,2-Aryl Shift Cascade Reactions. <i>Organic Letters</i> , 2015, 17, 1034-1037.	2.4	63
14	Visible-Light-Promoted Photocatalyst-Free Hydroacylation and Diacylation of Alkenes Tuned by NiCl <sub>2</sub> ·DME. <i>Organic Letters</i> , 2020, 22, 1056-1061.	2.4	62
15	Visible light-mediated arylalkylation of allylic alcohols through concomitant 1,2-aryl migration. <i>Chemical Communications</i> , 2015, 51, 4910-4913.	2.2	53
16	Asymmetric Synthesis of Dihydrofurans via a Formal Retro-Claisen Photorearrangement. <i>Journal of the American Chemical Society</i> , 2005, 127, 2725-2730.	6.6	51
17	Electrochemical 1,4-reduction of $\alpha,\beta$ -unsaturated ketones with methanol and ammonium chloride as hydrogen sources. <i>Chemical Communications</i> , 2019, 55, 6731-6734.	2.2	51
18	Visible-Light-Mediated Ring-Opening Strategy for the Regiospecific Allylation/Formylation of Cycloalkanols. <i>Journal of Organic Chemistry</i> , 2018, 83, 9696-9706.	1.7	49

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19	Reductive Arylation of Aliphatic and Aromatic Aldehydes with Cyanoarenes by Electrolysis for the Synthesis of Alcohols. <i>Organic Letters</i> , 2021, 23, 3472-3476.	2.4	48
20	Combining Eosin Y with Selectfluor: A Regioselective Brominating System for <i>Para</i> -Bromination of Aniline Derivatives. <i>Organic Letters</i> , 2017, 19, 3799-3802.	2.4	47
21	Visible light-induced difunctionalization of electron-enriched styrenes: synthesis of tetrahydrofurans and tetrahydropyrans. <i>Chemical Communications</i> , 2015, 51, 399-401.	2.2	45
22	Visible-Light-Induced C(sp <sup>2</sup> )–P Bond Formation by Denitrogenative Coupling of Benzotriazoles with Phosphites. <i>Organic Letters</i> , 2018, 20, 5370-5374.	2.4	44
23	Metal-Free Direct Aryltrifluoromethylation of Allylic Alcohols with Langlois™ Reagent through Concomitant 1,2-Aryl Migration. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 674-677.	1.3	43
24	Photochemistry of 1-Isopropylcycloalkyl Aryl Ketones: Ring Size Effects, Medium Effects, and Asymmetric Induction. <i>Organic Letters</i> , 2005, 7, 1315-1318.	2.4	42
25	A facile and versatile electro-reductive system for hydrodefunctionalization under ambient conditions. <i>Green Chemistry</i> , 2021, 23, 2095-2103.	4.6	41
26	Regioselective Ring-Opening Nucleophilic Addition of Aziridines through Photoredox Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2775-2780.	2.1	40
27	Visible-light-mediated defluorinative cross-coupling of <i>gem</i> -difluoroalkenes with thiols. <i>Chemical Communications</i> , 2019, 55, 11103-11106.	2.2	38
28	Visible-Light-Induced Palladium-Catalyzed Intermolecular Narasaka–Heck Reaction at Room Temperature. <i>Organic Letters</i> , 2020, 22, 3964-3968.	2.4	38
29	Visible-Light-Induced Multicomponent Synthesis of $\beta$ -Amino Esters with Diazo Compounds. <i>Organic Letters</i> , 2021, 23, 6278-6282.	2.4	38
30	Visible-light photoredox catalysis enabled bromination of phenols and alkenes. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 622-627.	1.3	37
31	Photochemical C–H bond coupling for (hetero)aryl C(sp <sup>2</sup> )–C(sp <sup>3</sup> ) bond construction. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4951-4963.	1.5	37
32	Transition Metal-Free Synthesis of Sulfonyl- and Bromo-Substituted Indolo[2,1- <i>b</i> ]isoquinoline Derivatives through Electrochemical Radical Cascade Cyclization. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1944-1954.	2.1	36
33	1,4-Hydroxybiradical Behavior Revealed through Crystal Structure–Solid-State Reactivity Correlations. <i>Journal of the American Chemical Society</i> , 2004, 126, 3511-3520.	6.6	34
34	UV Light Induced Direct Synthesis of Phenanthrene Derivatives from a Linear 3-Aryl- <i>N</i> -(arylsulfonyl) Propiolamides. <i>Organic Letters</i> , 2016, 18, 2280-2283.	2.4	34
35	Visible-Light-Mediated Anti-Regioselective Nitrene 1,3-Dipolar Cycloaddition Reaction and Synthesis of Bisindolymethanes. <i>Organic Letters</i> , 2017, 19, 5086-5089.	2.4	33
36	Electrochemical synthesis of functionalized <i>gem</i> -difluoroalkenes with diverse alkyl sources <i>via</i> a defluorinative alkylation process. <i>Organic Chemistry Frontiers</i> , 2021, 9, 95-101.	2.3	32

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37	Efficient synthesis of polysubstituted isochromanones via a novel photochemical rearrangement. <i>Chemical Communications</i> , 2011, 47, 11098.	2.2	31
38	Efficient, stable, and reusable Lewis acid-surfactant-combined catalyst: One-pot Biginelli and solvent-free esterification reactions. <i>Journal of Molecular Catalysis A</i> , 2014, 392, 76-82.	4.8	30
39	Selective C-H trifluoromethylation of benzimidazoles through photoredox catalysis. <i>Chemical Communications</i> , 2017, 53, 1041-1044.	2.2	30
40	Electrochemically generated N-iodoaminium species as key intermediates for selective methyl sulphonylimination of tertiary amines. <i>Chemical Communications</i> , 2020, 56, 5010-5013.	2.2	30
41	Orbital-Overlap Control of the Reactivity of a Bicyclic 1-Hydroxy-1,4-Biradical. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5087-5089.	7.2	29
42	Sunlight-Driven Forging of Amide/Ester Bonds from Three Independent Components: An Approach to Carbamates. <i>Organic Letters</i> , 2016, 18, 5572-5575.	2.4	27
43	Synthesis of carbonylated heteroaromatic compounds via visible-light-driven intramolecular decarboxylative cyclization of o-alkynylated carboxylic acids. <i>Chemical Communications</i> , 2017, 53, 8533-8536.	2.2	27
44	Synthesis of isoquinolones by visible-light-induced deaminative [4+2] annulation reactions. <i>Chemical Communications</i> , 2020, 56, 5259-5262.	2.2	27
45	Photochemical studies on aromatic $\beta,\gamma$ -epoxy ketones: efficient synthesis of benzocyclobutanones and indanones. <i>Chemical Communications</i> , 2012, 48, 3560.	2.2	26
46	Photoredox-Catalyzed Decarboxylative C-H Acylation of Heteroarenes. <i>Synlett</i> , 2018, 29, 1881-1886.	1.0	26
47	Synthesis of Cyclic Compounds via Photoinduced Radical Cyclization Cascade of C=C bonds. <i>Chemical Record</i> , 2019, 19, 424-439.	2.9	26
48	Iron-catalyzed ring-opening of cyclic carboxylic acids enabled by photoinduced ligand-to-metal charge transfer. <i>Green Chemistry</i> , 2022, 24, 5553-5558.	4.6	26
49	Solid-State Asymmetric Photochemical Studies Using the Ionic Chiral Auxiliary Approach. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1774-1784.	1.7	24
50	UV light-mediated difunctionalization of alkenes with CF <sub>3</sub> SO <sub>2</sub> Na: synthesis of trifluoromethyl phenanthrene and anthrone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5293-5297.	1.5	24
51	Multicomponent Synthesis of $\beta$ -Branched Tertiary and Secondary Amines by Photocatalytic Hydrogen Atom Transfer Strategy. <i>Organic Letters</i> , 2021, 23, 4473-4477.	2.4	23
52	Visible light-mediated oxidative quenching reaction to electron-rich epoxides: highly regioselective synthesis of $\beta$ -bromo (di)ketones and mechanism study. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5787.	1.5	22
53	Direct C-H Multifluoroarylation of Ethers through Hydrogen Atom Transfer Using Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 6895-6903.	1.7	22
54	Electrochemical Synthesis of $\beta$ -Functionalized Ketones via Ring-Opening of Cycloalkanols. <i>Organic Letters</i> , 2022, 24, 4421-4426.	2.4	21

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55	Nickel-Catalyzed Reductive Acylation of Carboxylic Acids with Alkyl Halides and $\alpha$ -Hydroxyphthalimide Esters Enabled by Electrochemical Process. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1526-1531.	2.1	20
56	(+)-Camphor Derivative Induced Asymmetric [2 + 2] Photoaddition Reaction. <i>Organic Letters</i> , 2012, 14, 776-779.	2.4	19
57	Metal-free one-pot synthesis of 2-substituted and 2,3-disubstituted morpholines from aziridines. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 524-529.	1.3	19
58	pH-dependent assembly of a series of inorganic-organic hybrid molybdenum(v) phosphate. <i>CrystEngComm</i> , 2010, 12, 595-603.	1.3	18
59	Visible-light-induced bromoetherification of alkenols for the synthesis of $\beta$ -bromotetrahydrofurans and -tetrahydropyrans. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 31-36.	1.3	18
60	Visible-Light Induced Direct Synthesis of Polysubstituted Furans from Cyclopropyl Ketones. <i>Journal of Organic Chemistry</i> , 2016, 81, 7008-7022.	1.7	18
61	Cascade cyclization for the synthesis of indolo[2,1- $\beta$ ]isoquinoline derivatives via visible-light-induced halogen-atom-transfer (XAT) and hydrogen-atom-transfer (HAT). <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1731-1737.	1.5	17
62	Highly Diastereoselective Synthesis of $\beta$ -Lactams Enabled by Photoinduced Deaminative [3 + 2] Annulation Reaction. <i>Organic Letters</i> , 2022, 24, 4365-4370.	2.4	16
63	Photochemical studies on exo-bicyclo[2.1.1]hexyl and bicyclo[3.1.0]hexyl aryl ketones: two approaches for synthesis of enantiomerically enriched cyclopentene derivatives. <i>Tetrahedron</i> , 2009, 65, 9952-9955.	1.0	15
64	Further insight into the photochemical behavior of 3-aryl-N-(arylsulfonyl)propiolamides: tunable synthetic route to phenanthrenes. <i>RSC Advances</i> , 2017, 7, 12022-12026.	1.7	14
65	Minisci-Type C-H Cyanoalkylation of Heteroarenes Through N=O/C Bonds Cleavage. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1439-1442.	1.2	14
66	Engineering acyclic alkyl aryl ketones for enantioselective Norrish/Yang type II photochemistry in the crystalline state. <i>CrystEngComm</i> , 2006, 8, 388.	1.3	13
67	Monitoring reaction centers and molecules during an enantioselective photoreaction in a crystal. <i>CrystEngComm</i> , 2006, 8, 616-621.	1.3	13
68	Visible-Light Promoted Selective Imination of Unactivated C-H Bonds via Copper-nitrene Intermediates for the Synthesis of $\alpha$ -Azirines. <i>Organic Letters</i> , 2019, 21, 8323-8327.	2.4	13
69	Visible-Light-Mediated Dehydrogenative Cross-Coupling: Synthesis of Nonsymmetrical Atropisomeric Biaryls. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1402-1407.	1.3	12
70	Making use of crystallization-induced asymmetric transformations in solid state organic photochemistry: application to the enantioselective Yang photocyclization of endo-bicyclo[2.1.1]hexyl aryl ketones. <i>CrystEngComm</i> , 2005, 7, 728.	1.3	11
71	Chiral Phosphorus-Olefin Ligands for the Rh-Catalyzed Asymmetric Addition of Aryl Boronic Acids to Electron-Deficient Olefins. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1518-1522.	1.7	11
72	Direct oxidation of the C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) bond from benzyltrimethylsilanes to phenols. <i>Chemical Communications</i> , 2017, 53, 5291-5293.	2.2	11

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73	Photoinduced synthesis of functionalized oxetanes <i>via</i> diradical-mediated ring contraction. <i>Green Chemistry</i> , 2022, 24, 5046-5051.	4.6	11
74	Synthesis of Benzobicycloheptanones via the Trap of Photogenerated Ketene Methide Intermediate with Olefins. <i>Journal of Organic Chemistry</i> , 2014, 79, 8143-8155.	1.7	10
75	Metal-Free [3+2] Oxidative Coupling of Phenols with Alkenes: Synthesis of Dihydrobenzofurans. <i>Synthesis</i> , 2015, 47, 2731-2737.	1.2	10
76	Transition Metal-Free Radical $\alpha$ -Oxy C <sup>~</sup> H Cyclobutylation via Photoinduced Hydrogen Atom Transfer. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2140-2145.	2.1	10
77	Regioselective synthesis of $\alpha$ -bromo- $\beta$ , $\gamma$ -unsaturated carbonyl compounds via photocatalytic $\alpha$ -bromination reactions. <i>Science China Chemistry</i> , 2016, 59, 190-194.	4.2	9
78	Fluorescent 1:2 demultiplexer and half-subtractor based on the hydrolysis of N-salicylidene-3-aminopyridine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 397-401.	2.0	7
79	Synthesis of Oxatricyclooctanes via Photoinduced Intramolecular Oxa-[4+2] Cycloaddition of Substituted <i>ortho</i> -Divinylbenzenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 7856-7868.	1.7	7
80	Photoinduced Cross-Coupling of Amines with 1,2-Diodobenzene and Its Application in the Synthesis of Carbazoles. <i>Synthesis</i> , 2018, 50, 2981-2989.	1.2	7
81	Conversion of aryl CO to CC bond through a UV light activation/TEMPO oxidation cascade reaction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 233, 46-49.	2.0	6
82	Photochemical Studies on $\alpha$ -Methylbicyclo[1.1.1]pentane Derivatives: $\pi$ -Orbital Overlap Controlled Enantioselectivity. <i>Chinese Journal of Chemistry</i> , 2012, 30, 91-95.	2.6	6
83	Electrochemical Reduction of Aldehydes and Ketones for the Synthesis of Alcohols and Diols under Ambient Conditions. <i>Synlett</i> , 2022, 33, 1302-1308.	1.0	6
84	Photochemical Studies on Benzonorbornene Derivatives: Medium Effects and Asymmetric Induction. <i>Letters in Organic Chemistry</i> , 2009, 6, 41-43.	0.2	5
85	Photoinduced Intermolecular [4+2] Cycloaddition Reaction for Construction of Benzobicyclo[2.2.2]octane Skeletons. <i>Journal of Organic Chemistry</i> , 2017, 82, 1389-1402.	1.7	5
86	Visible-Light-Induced Intramolecular Chloroetherification of Electron-Enriched Styrenes. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 418-421.	1.3	5
87	Photoinduced [3+2] Annulation of Alkene with <i>o</i> -Iodoanilines: An Expedient Approach to Indolines. <i>Synthesis</i> , 2021, 53, 1341-1348.	1.2	5
88	A new phenylethyl alkyl amide from the <i>Ambrostoma quadriimpressum</i> Motschulsky. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1342-1346.	1.3	4
89	A Novel Metal-Free Reductive Esterification of <i>N</i> -Tosylhydrazones with Carboxylic Acids. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1862-1866.	2.6	4
90	First Synthesis of (+)- $\beta$ , $\gamma$ -Deoxyalato from $\alpha$ -Santonin. <i>Chinese Journal of Chemistry</i> , 2004, 22, 377-383.	2.6	3

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91	Photochemical studies on acyclic alkyl aromatic ketones in the solid state: asymmetric induction and increased chemoselectivity. <i>Tetrahedron</i> , 2012, 68, 8875-8879.	1.0	3
92	Studies on the photochemical behavior of N-salicylidenaniline in chloroform. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 199-203.	2.0	3
93	UV light-mediated decarboxylative cross-Coupling reaction of aryl acetic acids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 298-304.	2.0	3
94	Photoinduced Regioselective Lactonization of ortho-Iodobenzoic Acids with Alkenes: Synthesis of 3,4-Dihydroisocoumarin Derivatives. <i>Synlett</i> , 2018, 29, 131-135.	1.0	3
95	Solid state asymmetric synthesis of chiral crystals of 5- and 7-membered ring ketones. <i>Journal of Chemical Research</i> , 2008, 2008, 150-151.	0.6	2
96	An Efficient Synthesis of Eudesmanolide Sesquiterpenoids Possessing $\hat{\pm}$ -Methoxymethyl Butenolide and Butadienolide. <i>Synthetic Communications</i> , 1999, 29, 1107-1112.	1.1	1
97	Photochemical Studies on Bicyclo[2.1.1]hexyl Derivatives: Chemical Behavior and Asymmetric Induction. <i>Chinese Journal of Chemistry</i> , 2014, 32, 307-312.	2.6	1
98	Nitroacenaphthene as a New Photocatalyst for the Synthesis of Sulfonyl Amidines. <i>Synthesis</i> , 2019, 51, 4425-4433.	1.2	0