

Wu-jiong Xia

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Cascade cyclization for the synthesis of indolo[2,1- \hat{b}]isoquinoline derivatives <i>via</i> 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
2	Nickel-Catalyzed Reductive Acylation of Carboxylic Acids with Alkyl Halides and <i>N</i> -Hydroxyphthalimide Esters Enabled by Electrochemical Process. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1526-1531.	2.1	20
3	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
4	Transition Metal-Free Radical α -Oxy γ -H Cyclobutylation via Photoinduced Hydrogen Atom Transfer. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2140-2145.	2.1	10
5	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
6	Photoinduced synthesis of functionalized oxetanes <i>via</i> diradical-mediated ring contraction. <i>Green Chemistry</i> , 2022, 24, 5046-5051.	4.6	11
7	Highly Diastereoselective Synthesis of $\hat{\beta}$ -Lactams Enabled by Photoinduced Deaminative [3 + 2] Annulation Reaction. <i>Organic Letters</i> , 2022, 24, 4365-4370.	2.4	16
8	Electrochemical Synthesis of $\hat{\beta}$ -Functionalized Ketones via Ring-Opening of Cycloalkanols. <i>Organic Letters</i> , 2022, 24, 4421-4426.	2.4	21
9	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
10	A facile and versatile electro-reductive system for hydrodefunctionalization under ambient conditions. <i>Green Chemistry</i> , 2021, 23, 2095-2103.	4.6	41
11	Transition Metal-Free Synthesis of Sulfonyl- and Bromo-Substituted Indolo[2,1- \hat{b}]isoquinoline Derivatives through Electrochemical Radical Cascade Cyclization. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1944-1954.	2.1	36
12	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
13	Multicomponent Synthesis of $\hat{\beta}$ -Branched Tertiary and Secondary Amines by Photocatalytic Hydrogen Atom Transfer Strategy. <i>Organic Letters</i> , 2021, 23, 4473-4477.	2.4	23
14	Visible-Light-Induced Multicomponent Synthesis of $\hat{\beta}$ -Amino Esters with Diazo Compounds. <i>Organic Letters</i> , 2021, 23, 6278-6282.	2.4	38
15	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
16	Minisci-Type α -H Cyanoalkylation of Heteroarenes Through $N=O/C=C$ Bonds Cleavage. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1439-1442.	1.2	14
17	Electrochemically generated <i>N</i> -iodoaminium species as key intermediates for selective methyl sulphonylimination of tertiary amines. <i>Chemical Communications</i> , 2020, 56, 5010-5013.	2.2	30
18	Synthesis of isoquinolones by visible-light-induced deaminative [4+2] annulation reactions. <i>Chemical Communications</i> , 2020, 56, 5259-5262.	2.2	27

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19	Three-component aminoselenation of alkenes <i>via</i> visible-light enabled Fe-catalysis. <i>Green Chemistry</i> , 2020, 22, 2804-2809.	4.6	79
20	Visible-Light-Promoted Photocatalyst-Free Hydroacylation and Diacylation of Alkenes Tuned by NiCl ₂ ·DME. <i>Organic Letters</i> , 2020, 22, 1056-1061.	2.4	62
21	Visible-Light-Induced Palladium-Catalyzed Intermolecular Narasaka-Heck Reaction at Room Temperature. <i>Organic Letters</i> , 2020, 22, 3964-3968.	2.4	38
22	Visible-light-mediated defluorinative cross-coupling of <i>gem</i> -difluoroalkenes with thiols. <i>Chemical Communications</i> , 2019, 55, 11103-11106.	2.2	38
23	Nitroacenaphthene as a New Photocatalyst for the Synthesis of Sulfonyl Amidines. <i>Synthesis</i> , 2019, 51, 4425-4433.	1.2	0
24	Visible-Light Promoted Selective Imination of Unactivated C-H Bonds via Copper-nitrene Intermediates for the Synthesis of 2-H-Azirines. <i>Organic Letters</i> , 2019, 21, 8323-8327.	2.4	13
25	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
26	Electrochemical 1,4-reduction of α,β -unsaturated ketones with methanol and ammonium chloride as hydrogen sources. <i>Chemical Communications</i> , 2019, 55, 6731-6734.	2.2	51
27	Photochemical C-H bond coupling for (hetero)aryl C(sp ²)-C(sp ³) bond construction. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4951-4963.	1.5	37
28	Synthesis of Cyclic Compounds via Photoinduced Radical Cyclization Cascade of C=C bonds. <i>Chemical Record</i> , 2019, 19, 424-439.	2.9	26
29	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
30	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
31	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
32	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
33	Photoredox-Catalyzed Decarboxylative C-H Acylation of Heteroarenes. <i>Synlett</i> , 2018, 29, 1881-1886.	1.0	26
34	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
35	Visible-Light-Induced C(sp ²)-P Bond Formation by Denitrogenative Coupling of Benzotriazoles with Phosphites. <i>Organic Letters</i> , 2018, 20, 5370-5374.	2.4	44
36	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

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37	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
38	Photocatalytic Cross-Dehydrogenative Amination Reactions between Phenols and Diarylamines. <i>ACS Catalysis</i> , 2017, 7, 2446-2451.	5.5	94
39	Direct oxidation of the C(sp ²)–C(sp ³) bond from benzyltrimethylsilanes to phenols. <i>Chemical Communications</i> , 2017, 53, 5291-5293.	2.2	11
40	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
41	Selective C–H trifluoromethylation of benzimidazoles through photoredox catalysis. <i>Chemical Communications</i> , 2017, 53, 1041-1044.	2.2	30
42	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
43	Visible-Light-Triggered Directly Reductive Arylation of Carbonyl/Iminyl Derivatives through Photocatalytic PCET. <i>Organic Letters</i> , 2017, 19, 3807-3810.	2.4	90
44	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
45	Synthesis of Oxatricyclooctanes via Photoinduced Intramolecular Oxa-[4+2] Cycloaddition of Substituted <i>o</i> -Divinylbenzenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 7856-7868.	1.7	7
46	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
47	Visible-Light-Induced Intramolecular Chloroetherification of Electron-Enriched Styrenes. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 418-421.	1.3	5
48	Visible-Light Induced Direct Synthesis of Polysubstituted Furans from Cyclopropyl Ketones. <i>Journal of Organic Chemistry</i> , 2016, 81, 7008-7022.	1.7	18
49	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
50	UV light-mediated difunctionalization of alkenes with CF ₃ SO ₂ Na: synthesis of trifluoromethyl phenanthrene and anthrone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5293-5297.	1.5	24
51	Visible-Light-Promoted Direct Amination of Phenols via Oxidative Cross-Dehydrogenative Coupling Reaction. <i>Organic Letters</i> , 2016, 18, 3326-3329.	2.4	129
52	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
53	Chiral Phosphorus-Olefin Ligands for the Rh ^I -Catalyzed Asymmetric Addition of Aryl Boronic Acids to Electron-Deficient Olefins. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1518-1522.	1.7	11
54	Visible-Light-Mediated 1,7-Enyne Bicyclizations for Synthesis of Cyclopenta[<i>c</i>]quinolines and Benzo[<i>j</i>]phenanthridines. <i>Organic Letters</i> , 2016, 18, 600-603.	2.4	77

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55	Regioselective synthesis of α -bromo- α,β -unsaturated carbonyl compounds via photocatalytic α -bromination reactions. <i>Science China Chemistry</i> , 2016, 59, 190-194.	4.2	9
56	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
57	Visible-light-induced bromoetherification of alkenols for the synthesis of α -bromotetrahydrofurans and α -tetrahydropyrans. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 31-36.	1.3	18
58	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
59	Visible light-mediated arylalkylation of allylic alcohols through concomitant 1,2-aryl migration. <i>Chemical Communications</i> , 2015, 51, 4910-4913.	2.2	53
60	Visible-Light Induced Trifluoromethylation of <i>N</i> -Arylcinnamamides for the Synthesis of CF ₃ -Containing 3,4-Disubstituted Dihydroquinolinones and 1-Azaspiro[4.5]decanes. <i>Organic Letters</i> , 2015, 17, 3478-3481.	2.4	81
61	Difunctionalization of Alkenes via the Visible-Light-Induced Trifluoromethylarylation/1,4-Aryl Shift/Desulfonylation Cascade Reactions. <i>Journal of Organic Chemistry</i> , 2015, 80, 5730-5736.	1.7	121
62	Metal-Free Direct Aryltrifluoromethylation of Allylic Alcohols with Langlois's Reagent through Concomitant 1,2-Aryl Migration. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 674-677.	1.3	43
63	Metal-Free [3+2] Oxidative Coupling of Phenols with Alkenes: Synthesis of Dihydrobenzofurans. <i>Synthesis</i> , 2015, 47, 2731-2737.	1.2	10
64	Visible light-induced difunctionalization of electron-enriched styrenes: synthesis of tetrahydrofurans and tetrahydropyrans. <i>Chemical Communications</i> , 2015, 51, 399-401.	2.2	45
65	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
66	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
67	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
68	Regioselective Ring-Opening Nucleophilic Addition of Aziridines through Photoredox Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2775-2780.	2.1	40
69	Fluorescent 1:2 demultiplexer and half-subtractor based on the hydrolysis of <i>N</i> -salicylidene-3-aminopyridine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 397-401.	2.0	7
70	Visible-light photoredox catalysis enabled bromination of phenols and alkenes. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 622-627.	1.3	37
71	Visible light-mediated oxidative quenching reaction to electron-rich epoxides: highly regioselective synthesis of α -bromo (di)ketones and mechanism study. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5787.	1.5	22
72	Oxidative C-C Bond Cleavage of Aldehydes via Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2013, 15, 624-627.	2.4	95

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73	Photochemical studies on aromatic β,β -epoxy ketones: efficient synthesis of benzocyclobutanones and indanones. <i>Chemical Communications</i> , 2012, 48, 3560.	2.2	26
74	Photoredox functionalization of C-H bonds adjacent to a nitrogen atom. <i>Chemical Society Reviews</i> , 2012, 41, 7687.	18.7	966
75	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
76	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
77	Visible light-induced oxidative coupling reaction: easy access to Mannich-type products. <i>Chemical Communications</i> , 2012, 48, 2337.	2.2	127
78	(+)-Camphor Derivative Induced Asymmetric [2 + 2] Photoaddition Reaction. <i>Organic Letters</i> , 2012, 14, 776-779.	2.4	19
79	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
80	Studies on the photochemical behavior of <i>N</i> -salicylideneaniline in chloroform. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 199-203.	2.0	3
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 β -Methylbicyclo[1.1.1]pentane Derivatives: π -Orbital Overlap Controlled Enantioselectivity. <i>Chinese Journal of Chemistry</i> , 2012, 30, 91-95.	2.6	6
83	Efficient synthesis of polysubstituted isochromanones via a novel photochemical rearrangement. <i>Chemical Communications</i> , 2011, 47, 11098.	2.2	31
84	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
85	pH-dependent assembly of a series of inorganic-organic hybrid molybdenum(v) phosphate. <i>CrystEngComm</i> , 2010, 12, 595-603.	1.3	18
86	Photochemical Studies on Benzonorbornene Derivatives: Medium Effects and Asymmetric Induction. <i>Letters in Organic Chemistry</i> , 2009, 6, 41-43.	0.2	5
87	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
88	Solid-State Asymmetric Photochemical Studies Using the Ionic Chiral Auxiliary Approach. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1774-1784.	1.7	24
89	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
90	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

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91	Monitoring reaction centers and molecules during an enantioselective photoreaction in a crystal. <i>CrystEngComm</i> , 2006, 8, 616-621.	1.3	13
92	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
93	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
94	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
95	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
96	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
97	First Synthesis of (+)-2,14-Deoxyalator from Î±-Santonin. <i>Chinese Journal of Chemistry</i> , 2004, 22, 377-383.	2.6	3
98	An Efficient Synthesis of Eudesmanolide Sesquiterpenoids Possessing Î±-Methoxymethyl Butenolide and Butadienolide. <i>Synthetic Communications</i> , 1999, 29, 1107-1112.	1.1	1