

# Jun Xu

## List of Publications by Year in descending order

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52  
papers

2,785  
citations

172457

29  
h-index

175258

52  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2090  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Recent advances in C–S bond formation via C–H bond functionalization and decarboxylation. <i>Chemical Society Reviews</i> , 2015, 44, 291-314.   | 38.1 | 702       |
| 2  | Synthesis of Vinyl Sulfides by Copper-Catalyzed Decarboxylative C–S Cross-Coupling. <i>Organic Letters</i> , 2010, 12, 4134-4136.  | 4.6  | 173       |
| 3  | A highly active and easily recoverable chitosan@Copper catalyst for the C–S coupling and its application in the synthesis of zolimidine. <i>Green Chemistry</i> , 2014, 16, 3007-3012.   | 9.0  | 142       |
| 4  | Remote C–H Activation of Quinolines through Copper-Catalyzed Radical Cross-Coupling. <i>Chemistry - an Asian Journal</i> , 2016, 11, 882-892.  | 3.3  | 130       |
| 5  | Transition-Metal and Solvent-Free Oxidative C–H Fluoroalkoxylation of Quinoxalinones with Fluoroalkyl Alcohols. <i>Organic Letters</i> , 2019, 21, 4698-4702.  | 4.6  | 110       |
| 6  | Copper-catalyzed C5 and C7 halogenation of quinolines using sodium halides under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3016-3021.   | 2.8  | 103       |
| 7  | Nickel(II)-Catalyzed Site-Selective C–H Bond Trifluoromethylation of Arylamine in Water through a Coordinating Activation Strategy. <i>Organic Letters</i> , 2017, 19, 5661-5664.  | 4.6  | 87        |
| 8  | Hypervalent Iodine(III)-Promoted Rapid Cascade Reaction of Quinoxalinones with Unactivated Alkenes and TMSN <sub>3</sub> . <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 230-241.   | 4.3  | 78        |
| 9  | Photocatalyst-, metal- and additive-free, direct C–H arylation of quinoxalin-2(1 <i>H</i> )-ones with aryl acyl peroxides induced by visible light. <i>Organic Chemistry Frontiers</i> , 2020, 7, 4031-4042.                                   | 4.5  | 76        |
| 10 | A concise, efficient synthesis of sugar-based benzothiazoles through chemoselective intramolecular C–S coupling. <i>Chemical Science</i> , 2012, 3, 2388.  | 7.4  | 67        |
| 11 | Synthesis of ( <i>E</i> )-Quinoxalinone Oximes through a Multicomponent Reaction under Mild Conditions. <i>Organic Letters</i> , 2021, 23, 195-201.  | 4.6  | 63        |
| 12 | A novel <i>d</i> -glucosamine-derived pyridyl-triazole@palladium catalyst for solvent-free Mizoroki–Heck reactions and its application in the synthesis of Axitinib. <i>Green Chemistry</i> , 2015, 17, 225-230.                               | 9.0  | 62        |
| 13 | Heterogeneous Chitosan@Copper(II)-Catalyzed Remote Trifluoromethylation of Aminoquinolines with the Langlois Reagent by Radical Cross-Coupling. <i>ChemCatChem</i> , 2016, 8, 3560-3564.   | 3.7  | 60        |
| 14 | The visible-light-triggered regioselective alkylation of quinoxalin-2(1 <i>H</i> )-ones <i>via</i> decarboxylation coupling. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 10201-10208.  | 2.8  | 55        |
| 15 | Transition-metal-free direct perfluoroalkylation of quinoline amides at C5 position through radical cross-coupling under mild conditions. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1116-1120.   | 4.5  | 52        |
| 16 | A combination of heterogeneous catalysis and photocatalysis for the olefination of quinoxalin-2(1 <i>H</i> )-ones with ketones in water: a green and efficient route to ( <i>Z</i> )-enaminones. <i>Green Chemistry</i> , 2021, 23, 2123-2129. | 9.0  | 48        |
| 17 | Direct <i>para</i> -C–H heteroarylation of anilines with quinoxalinones by metal-free cross-dehydrogenative coupling under an aerobic atmosphere. <i>Green Chemistry</i> , 2021, 23, 6632-6638.  | 9.0  | 47        |
| 18 | Copper(II)-Catalyzed Direct Azidation of <i>N</i> -Acylated 8-Aminoquinolines by Remote C–H Activation. <i>ChemCatChem</i> , 2016, 8, 3570-3574.   | 3.7  | 45        |

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|----|---|-----|-----------|
| 19 | Functionalized quinoxalinones as privileged structures with broad-ranging pharmacological activities. <i>European Journal of Medicinal Chemistry</i> , 2022, 229, 114085.   | 5.5 | 44        |
| 20 | Application of Langlois's™ reagent (NaSO <sub>2</sub> CF <sub>3</sub> ) in C-H functionalisation. <i>Chinese Chemical Letters</i> , 2022, 33, 1227-1235.  | 9.0 | 43        |
| 21 | Copper(II)-Catalyzed Selective <i>para</i> -Amination of Arylamine with Pyrazole by C-H Functionalization. <i>ChemCatChem</i> , 2018, 10, 3675-3679.  | 3.7 | 42        |
| 22 | Multicomponent Bifunctionalization of Methyl Ketones Enabled by Heterogeneous Catalysis and Solar Photocatalysis in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13663-13671.                           | 6.7 | 41        |
| 23 | Catalyst-Controlled Selectivity in the Synthesis of C <sub>2</sub> - and C <sub>3</sub> -Sulfonate Esters from Quinoline <i>N</i> -Oxides and Aryl Sulfonyl Chlorides. <i>ChemCatChem</i> , 2016, 8, 2604-2608.               | 3.7 | 40        |
| 24 | Photoinduced Rapid Multicomponent Cascade Reaction of Aryldiazonium Salts with Unactivated Alkenes and TMSN <sub>3</sub> . <i>Organic Letters</i> , 2021, 23, 1204-1208.  | 4.6 | 39        |
| 25 | A highly efficient synthesis of N-glycosyl-1,2,3-triazoles using a recyclable cellulose-copper(0) catalyst in water. <i>Catalysis Communications</i> , 2016, 79, 11-16.   | 3.3 | 38        |
| 26 | Coordinating Activation Strategy-Induced Selective C-H Trifluoromethylation of Anilines. <i>ChemCatChem</i> , 2018, 10, 965-970.  | 3.7 | 38        |
| 27 | Selective oxidation of alkenes to carbonyls under mild conditions. <i>Green Chemistry</i> , 2021, 23, 5549-5555.  | 9.0 | 38        |
| 28 | A highly efficient way to capture CX <sub>2</sub> (O, S) mildly in reusable RLLs at atmospheric pressure. <i>Green Chemistry</i> , 2014, 16, 3142.  | 9.0 | 36        |
| 29 | Photo-Induced Cross-Dehydrogenative Alkylation of Heteroarenes with Alkanes under Aerobic Conditions. <i>Journal of Organic Chemistry</i> , 2021, 86, 17816-17832.  | 3.2 | 32        |
| 30 | Rapid alkenylation of quinoxalin-2(1H)-ones enabled by the sequential Mannich-type reaction and solar photocatalysis. <i>Chinese Chemical Letters</i> , 2021, 32, 3627-3631.  | 9.0 | 31        |
| 31 | 2D Single Crystal WSe <sub>2</sub> and MoSe <sub>2</sub> Nanomeshes with Quantifiable High Exposure of Layer Edges from 3D Mesoporous Silica Template. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17670-17677. | 8.0 | 28        |
| 32 | Visible-light-induced C-H arylation of quinoxalin-2(1H)-ones in H <sub>2</sub> O. <i>Tetrahedron Letters</i> , 2021, 66, 152841.  | 1.4 | 23        |
| 33 | Copper-Catalyzed Regioselective Nitration and Azidation of <i>1</i> -Naphthylamine Derivatives via Remote C-H Activation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4571-4576.                               | 2.4 | 19        |
| 34 | Platinum(II)-catalyzed selective <i>para</i> -C-H alkoxylation of arylamines through a coordinating activation strategy. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 490-497.                                       | 2.8 | 19        |
| 35 | Oxidative Sulfonylation of Hydrazones Enabled by Synergistic Copper/Silver Catalysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 3706-3720.  | 3.2 | 19        |
| 36 | Molecular oxygen-mediated selective hydroxyalkylation and alkylation of quinoxalin-2(1H)-ones with alkylboronic acids. <i>Chinese Chemical Letters</i> , 2022, 33, 2036-2040.   | 9.0 | 14        |

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|----|--|-----|-----------|
| 37 | Selective Mono- and Diamination of Ketones in a Combined Copper@Organocatalyst System. <i>Organic Letters</i> , 2022, 24, 3614-3619.   | 4.6 | 14        |
| 38 | Hypervalent iodine(III)-promoted rapid cascade reaction for the synthesis of unsymmetric azo compounds. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3119-3123.   | 2.8 | 11        |
| 39 | Photo-induced oxidative cleavage of C-C double bonds of olefins in water. <i>Tetrahedron Letters</i> , 2021, 80, 153321.   | 1.4 | 10        |
| 40 | Transition-Metal-Free C-H Sulfenylation of Quinoline N-Oxides via Insertion of Sulfur Dioxide. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 2105-2108.   | 2.7 | 9         |
| 41 | Iron(III)-Mediated Rapid Radical-Type Three-Component Deuteration of Quinoxalinones With Olefins and NaBD <sub>4</sub> . <i>Frontiers in Chemistry</i> , 2020, 8, 606.   | 3.6 | 8         |
| 42 | Visible-light-induced C-H sulfenylation of quinoxalin-2(1H)-ones with disulfides by sustainable cerium catalysis. <i>Green Synthesis and Catalysis</i> , 2023, 4, 226-230.   | 6.8 | 8         |
| 43 | Heterogeneous chitosan@nickel(II)-catalyzed tandem radical cyclization of N-arylacrylamides: A general method for constructing fluorinated 3,3-disubstituted oxindoles using perfluoroalkyl iodides. <i>Catalysis Communications</i> , 2020, 133, 105832.    | 3.3 | 7         |
| 44 | Visible-light-induced decarboxylative alkylation of quinoxalin-2(1H)-ones with phenyliodine(III) dicarboxylates by cerium photocatalysis. <i>Molecular Catalysis</i> , 2022, 519, 112145.  | 2.0 | 7         |
| 45 | Programming a cyanide-free transformation of aldehydes to nitriles and one-pot synthesis of amides through tandem chemo-enzymatic cascades. <i>RSC Advances</i> , 2022, 12, 17873-17881.   | 3.6 | 7         |
| 46 | Visible light-driven oxidative coupling of dibenzylamine and substituted anilines with a 2D WSe <sub>2</sub> nanomesh material. <i>Nanoscale</i> , 2020, 12, 21869-21878.  | 5.6 | 5         |
| 47 | Copper-catalyzed selective oxidation of hydrazones through C(sp <sup>3</sup> )-H Functionalization. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8917-8923.   | 2.8 | 4         |
| 48 | A HCl-Mediated, Metal- and Oxidant-Free Photocatalytic Strategy for C3 Arylation of Quinoxalin(on)es with Arylhydrazine. <i>Catalysts</i> , 2022, 12, 633.   | 3.5 | 4         |
| 49 | Î±-Functionalization of ketones promoted by sunlight and heterogeneous catalysis in the aqueous phase. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 790-795.  | 2.8 | 3         |
| 50 | Practical chemoselective aromatic substitution: the synthesis of N-(4-halo-2-nitrophenyl)benzenesulfonamide through the efficient nitration and halogenation of N-phenylbenzenesulfonamide. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5444-5451. | 2.8 | 2         |
| 51 | Synthesis of quinazolin-4-ones through an acid ion exchange resin mediated cascade reaction. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4406-4414.  | 2.8 | 1         |
| 52 | Constructing a triangular metallacycle with salen@Al and its application to a catalytic cyanosilylation reaction. <i>Chemical Communications</i> , 2021, 57, 10399-10402.  | 4.1 | 1         |