

# Bing Sun

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23  
papers

480  
citations

10  
h-index

21  
g-index

24  
ext. papers

569  
ext. citations

4  
avg, IF

4.05  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 23 | Visible-light-mediated metal-free decarboxylative acylation of electron-deficient quinolines using $\beta$ -ketoacids under ambient air. <i>Tetrahedron</i> , <b>2022</b> , 132749   | 2.4 |           |
| 22 | Ruthenium Nanoparticles Intercalated in Montmorillonite (nano-Ru@MMT) Is Highly Efficient Catalyst for the Selective Hydrogenation of 2-Furaldehyde in Benign Aqueous Medium. <i>Catalysts</i> , <b>2021</b> , 11, 66  | 4   | 4         |
| 21 | A three-step sequence strategy for facile construction of donor-acceptor type molecules: triphenylamine-substituted acenes. <i>Canadian Journal of Chemistry</i> , <b>2020</b> , 98, 40-48   | 0.9 | 1         |
| 20 | Palladium-Catalyzed Direct Ortho-C-H Selenylation of Benzaldehydes Using Benzidine as a Transient Directing Group. <i>Organic Letters</i> , <b>2019</b> , 21, 6914-6918  | 6.2 | 23        |
| 19 | Monodentate Transient Directing Group Assisted Pd-Catalyzed Direct Dehydrogenative Cross-Coupling of Benzaldehydes with Arenes toward 9-Fluorenones. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 13104-13111   | 4.2 | 14        |
| 18 | Cascade reaction for the synthesis of polycyclic aromatic hydrocarbons via transient directing group strategy. <i>Tetrahedron</i> , <b>2019</b> , 75, 4031-4041  | 2.4 | 9         |
| 17 | Facile one-pot synthesis of sulfonyl fluorides from sulfonates or sulfonic acids.. <i>RSC Advances</i> , <b>2019</b> , 9, 13863-13867  | 3.7 | 15        |
| 16 | A Transition-Metal-Free One-Pot Cascade Process for Transformation of Primary Alcohols (RCH <sub>2</sub> OH) to Nitriles (RCN) Mediated by SO <sub>2</sub> F <sub>2</sub> . <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 3190-3194 <sup>17</sup> | 3.3 | 17        |
| 15 | Synthetic routes and structure-activity relationships (SAR) of anti-HIV agents: A key review. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 181, 111566   | 6.8 | 8         |
| 14 | One-pot synthesis of benzofluorene fused aromatic hydrocarbons. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 15129-15132   | 2.9 | 2         |
| 13 | Palladium-catalyzed ortho-C(sp <sup>2</sup> ) H bromination of benzaldehydes via a monodentate transient directing group strategy. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 151263   | 2   | 9         |
| 12 | SOF mediated cascade dehydrogenative Morita-Baylis-Hillman reaction of the C(sp)-H of primary alcohols with the C(sp)-H of electron-deficient olefins for the assembly of allylic alcohols.. <i>RSC Advances</i> , <b>2019</b> , 9, 29784-29787                        | 3.7 | 4         |
| 11 | DBU-Promoted Intramolecular Crossed Aldol Reaction: A Facile Access to Indane-Fused Pyrrolidine. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 852-856  | 3.2 | 6         |
| 10 | Assembly of Diverse Spirocyclic Pyrrolidines via Transient Directing Group Enabled Ortho-C(sp)-H Alkylation of Benzaldehydes. <i>Organic Letters</i> , <b>2018</b> , 20, 146-149   | 6.2 | 52        |
| 9  | Advances in Development of C-H Activation/Functionalization Using a Catalytic Directing Group. <i>ChemistrySelect</i> , <b>2018</b> , 3, 5689-5708   | 1.8 | 34        |
| 8  | Synthesis of dihydrobenzoxazine pyrrolidone spirocyclic compounds. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 3554-3557  | 4   | 4         |
| 7  | Synthesis of Polycyclic Aromatic Hydrocarbons (PAHs) via a Transient Directing Group. <i>Organic Letters</i> , <b>2018</b> , 20, 7620-7623   | 6.2 | 30        |

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|---|---|------|-----|
| 6 | Diverse ortho-C(sp)-H Functionalization of Benzaldehydes Using Transient Directing Groups. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 888-896   | 16.4 | 186 |
| 5 | Direct stereoselective construction of cyclopropane $\alpha$ -amino acid with contiguous quaternary centers via [4 + 2] annulation reaction. <i>RSC Advances</i> , <b>2017</b> , 7, 38077-38080   | 3-7  | 6   |
| 4 | Metal Catalysts Intercalated in Smectite Clays <b>2017</b> , 387-441  |      | 3   |
| 3 | Selective N-cycle hydrogenation of quinolines with sodium borohydride in aqueous media catalyzed by hectorite-supported ruthenium nanoparticles. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 821, 197-205 <sup>2,3</sup> |      | 14  |
| 2 | Ruthenium-catalyzed hydrogenation of aromatic amino acids in aqueous solution. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 812, 81-86  | 2-3  | 8   |
| 1 | NanoRu@hectorite: A heterogeneous catalyst with switchable selectivity for the hydrogenation of quinoline. <i>Applied Catalysis A: General</i> , <b>2013</b> , 467, 310-314   | 5-1  | 31  |