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Unified Mechanistic Understandings of Pictet-Spengler Reaction

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#	Paper	IF	Citations
57	A Cooperative Hydrogen Bond Donor-Brønsted Acid System for the Enantioselective Synthesis of Tetrahydropyrans. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17225-17229	16.4	32
56	A Cooperative Hydrogen Bond Donor-Brønsted Acid System for the Enantioselective Synthesis of Tetrahydropyrans. <i>Angewandte Chemie</i> , 2018 , 130, 17471-17475	3.6	8
55	Understanding the Role of Spiroindolenines in Pictet-Spengler Reactions. <i>Chem</i> , 2018 , 4, 1767-1770	16.2	3
54	Iridium-Catalyzed Aza-Spirocyclization of Indole-Tethered Amides: An Interrupted Pictet-Spengler Reaction. <i>Organic Letters</i> , 2019 , 21, 6658-6662	6.2	25
53	Controllable Syntheses of Spiroindolenines and Benzazepinoindoles via Hexafluoroisopropanol-Mediated Redox-Neutral Cascade Process. <i>Organic Letters</i> , 2019 , 21, 6225-6230	6.2	34
52	Enantioselective Gold-Catalyzed Pictet-Spengler Reaction. <i>Organic Letters</i> , 2019 , 21, 9446-9451	6.2	31
51	Manipulation of Spiroindolenine Intermediates for Enantioselective Synthesis of 3-(Indol-3-yl)-Pyrrolidines. <i>Angewandte Chemie</i> , 2019 , 131, 1170-1174	3.6	1
50	Selectivity Switch in a Rhodium(II) Carbene Triggered Cyclopentannulation: Divergent Access to Three Polycyclic Indolines. <i>Angewandte Chemie</i> , 2019 , 131, 4389-4393	3.6	5
49	Metal free one pot synthesis of carbolines via a domino Pictet-Spengler reaction and aromatization. <i>Molecular Catalysis</i> , 2019 , 468, 86-93	3.3	11
48	Selectivity Switch in a Rhodium(II) Carbene Triggered Cyclopentannulation: Divergent Access to Three Polycyclic Indolines. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4345-4349	16.4	15
47	Copper-catalyzed nitrene transfer/cyclization cascade to synthesize 3a-nitrogenous furoindolines and pyrroloindolines. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 3934-3938	5.2	2
46	Merging Brønsted Acid and Pd Catalysis: Dearomatizing Spirocyclization/Cross-Coupling Cascade Reactions of Alkyne-Tethered Aromatics. <i>ACS Catalysis</i> , 2019 , 9, 504-510	13.1	36
45	Manipulation of Spiroindolenine Intermediates for Enantioselective Synthesis of 3-(Indol-3-yl)-Pyrrolidines. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1158-1162	16.4	10
44	Three-phenyl transfer in palladium-catalyzed C-C coupling reactions by triarylbismuths: A mechanistic study. <i>Molecular Catalysis</i> , 2020 , 482, 110649	3.3	
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34	Total Syntheses of (-)-Strictosidine and Related Indole Alkaloid Glycosides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13414-13422	16.4	14
33	Total Syntheses of (±)-Strictosidine and Related Indole Alkaloid Glycosides. <i>Angewandte Chemie</i> , 2020 , 132, 13516-13524	3.6	3
32	Gold-Catalyzed Spirocyclization Reactions of β -Propargyl Tryptamines and Tryptophans in Aqueous Media. <i>Organic Letters</i> , 2020 , 22, 4344-4349	6.2	13
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30	Ruthenium Catalyzed Tandem Pictet-Spengler Reaction. <i>Organic Letters</i> , 2020 , 22, 4979-4984	6.2	11
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25	Fe-Catalyzed Pictet-Spengler-Type Cyclization via Selective Four-Electron Reductive Functionalization of CO ₂ . <i>Chinese Journal of Chemistry</i> , 2021 , 39, 614-620	4.9	5
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22	Advances in Catalytic Asymmetric Dearomatization. <i>ACS Central Science</i> , 2021 , 7, 432-444	16.8	63
21	Dynamic effects on organic reactivity pathways to (and from) discomfort. <i>Journal of Physical Organic Chemistry</i> , 2021 , 34, e4202	2.1	1
20	Gold-Catalyzed Carboamination of Allenes by Tertiary Amines Proceeding with Benzylic Group Migration. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 2893-2902	5.6	3
19	Chiral Phosphoric Acid-Catalyzed Pictet-Spengler Reactions for Synthesis of 5Q1QDihydrospiro[indoline-3,6Qndolo[3,2-]qui-nolin]-2-ones Containing Quaternary Stereocenters. <i>Journal of Organic Chemistry</i> , 2021 , 86, 6897-6906	4.2	5
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17	Tryptophan-Derived Microbial Alkaloids. 2020 , 393-445		2
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15	Post-spin crossing dynamics determine the regioselectivity in open-shell singlet biradical recombination. <i>Organic Chemistry Frontiers</i> ,	5.2	1
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12	Unbiased C3-Electrophilic Indoles: Triflic Acid Mediated C3-Regioselective Hydroarylation of N-H Indoles. <i>Angewandte Chemie</i> ,	3.6	
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9	Rapid syntheses of N-fused heterocycles via acyl-transfer in heteroaryl ketones. <i>Nature Communications</i> , 2022 , 13,	17.4	2
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7	Cu-Catalyzed synthesis of spiroimidazole derivatives via an indolyl mediated cyclization/rearrangement reaction.		0
6	Organocatalytic Enantioselective Pictet-Spengler Reaction of β -Ketoesters: Development and Application to the Total Synthesis of (+)-Alstratine A.		0
5	Organocatalytic Enantioselective Pictet-Spengler Reaction of β -Ketoesters: Development and Application to the Total Synthesis of (+)-Alstratine A.		3

- 4 I2-Catalyzed Cycloisomerization of Ynamides: Chemoselective and Divergent Access to Indole Derivatives. 0
- 3 I2-Catalyzed Cycloisomerization of Ynamides: Chemoselective and Divergent Access to Indole Derivatives. 1
- 2 Aromatization-driven cascade [1,5]-hydride transfer/cyclization for synthesis of spirochromanes. **2023**, 10, 1796-1802 0
- 1 Iron-Catalyzed Trifluoromethylation of Indole-Tethered Alkene Enables Synthesis of CF₃-Containing Spiroindolenines and Tetrahydrocarbazoles. 0