

# Pankaj Chauhan

## List of Publications by Year in descending order

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49  
papers

3,521  
citations

186265

28  
h-index

197818

49  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organocatalytic Carbon-Sulfur Bond-Forming Reactions. <i>Chemical Reviews</i> , 2014, 114, 8807-8864.	47.7	515
2	Bifunctional Amine-Squaramides: Powerful Hydrogen-Bonding Organocatalysts for Asymmetric Domino/Cascade Reactions. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 253-281.	4.3	469
3	N-Heterocyclic Carbene Catalysis via Azolium Dienolates: An Efficient Strategy for Remote Enantioselective Functionalizations. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3862-3873.	13.8	239
4	Asymmetric synthesis of pyrazoles and pyrazolones employing the reactivity of pyrazolin-5-one derivatives. <i>Chemical Communications</i> , 2015, 51, 12890-12907.	4.1	238
5	Advances in Organocatalytic 1,6-Addition Reactions: Enantioselective Construction of Remote Stereogenic Centers. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 888-912.	4.3	197
6	Achieving Molecular Complexity via Stereoselective Multiple Domino Reactions Promoted by a Secondary Amine Organocatalyst. <i>Accounts of Chemical Research</i> , 2017, 50, 2809-2821.	15.6	118
7	Asymmetric Organocatalytic Addition Reactions of Maleimides: A Promising Approach Towards the Synthesis of Chiral Succinimide Derivatives. <i>Chemistry - an Asian Journal</i> , 2013, 8, 328-346.	3.3	116
8	Streocontrolled Construction of Six Vicinal Stereogenic Centers on Spiropyrazolones via Organocascade Michael/Michael/1,2-Addition Reactions. <i>Organic Letters</i> , 2014, 16, 2954-2957.	4.6	113
9	Asymmetric Synthesis of Spiropyrazolones by Sequential Organo- and Silver Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1797-1800.	13.8	109
10	Asymmetric organocatalytic methods for the synthesis of tetrahydropyrans and their application in total synthesis. <i>Chemical Society Reviews</i> , 2017, 46, 1661-1674.	38.1	90
11	Asymmetric Addition of Indoles to Isatins Catalysed by Bifunctional Modified Cinchona Alkaloid Catalysts. <i>Chemistry - A European Journal</i> , 2010, 16, 7709-7713.	3.3	86
12	Combining silver- and organocatalysis: an enantioselective sequential catalytic approach towards pyrano-annulated pyrazoles. <i>Chemical Communications</i> , 2015, 51, 2266-2269.	4.1	84
13	N-Heterocyclic Carbene Catalyzed [4+2] Annulation of Enals via a Double Vinylogous Michael Addition: Asymmetric Synthesis of 3,5-Diaryl Cyclohexenones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6241-6245.	13.8	77
14	Asymmetric Organocatalytic Aza-Friedel-Crafts Reaction of Naphthols with <i>N</i> -Sulfonyl Imines. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1636-1640.	2.4	72
15	Aromatic hydroxyl group as a hydrogen bonding activator in bifunctional asymmetric organocatalysis. <i>RSC Advances</i> , 2012, 2, 737-758.	3.6	72
16	Squaramide-Catalyzed Asymmetric aza-Friedel-Crafts/N,O-Acetalization Domino Reactions Between 2-Naphthols and Pyrazolinone Ketimines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15358-15362.	13.8	65
17	Recent advances in asymmetric organocatalytic conjugate addition of arenes and hetero-arenes. <i>RSC Advances</i> , 2012, 2, 6117.	3.6	60
18	Asymmetric, Three-Component, One-Pot Synthesis of Spiropyrazolones and 2,5-Chromenediones from Aldol Condensation/NHC-Catalyzed Annulation Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 5123-5127.	3.3	59

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19	Asymmetric Synthesis of Amino-Bis-Pyrazolone Derivatives via an Organocatalytic Mannich Reaction. <i>Journal of Organic Chemistry</i> , 2017, 82, 7050-7058.	3.2	56
20	Brønsted Acid-Catalyzed Enantioselective Synthesis of Isatin-Derived <i>N,S</i> -Acetals. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 672-676.	4.3	52
21	Organocatalytic one-pot 1,4-/1,6-/1,2-addition sequence for the stereocontrolled formation of six consecutive stereocenters. <i>Chemical Communications</i> , 2015, 51, 2270-2272.	4.1	47
22	Asymmetric synthesis of functionalized cyclohexanes bearing five stereocenters via a one-pot organocatalytic Michael-Michael 1,2-addition sequence. <i>Chemical Communications</i> , 2014, 50, 6853-6855.	4.1	44
23	Enantioselective synthesis of pyrazolone $\beta$ -aminonitrile derivatives via an organocatalytic Strecker reaction. <i>Chemical Communications</i> , 2017, 53, 6633-6636.	4.1	41
24	Facile Construction of Vicinal Quaternary and Tertiary Stereocenters via Regio- and Stereoselective Organocatalytic Michael Addition to Nitrodienes. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3203-3212.	4.3	36
25	Asymmetric Synthesis of Functionalized Tricyclic Chromanes via an Organocatalytic Triple Domino Reaction. <i>Organic Letters</i> , 2017, 19, 3025-3028.	4.6	36
26	Organocatalytic enantioselective aza-Friedel-Crafts reaction of sesamol with <i>N</i> -sulfonylimines catalyzed by 6-OH Cinchona alkaloids. <i>Tetrahedron Letters</i> , 2013, 54, 4613-4616.	1.4	35
27	$\beta,\beta$ -Dicyanoolefins: versatile substrates in organocatalytic asymmetric transformations. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7832-7847.	2.8	34
28	Asymmetric Synthesis of Spiropyrazolones by Sequential Organo- and Silver Catalysis. <i>Angewandte Chemie</i> , 2016, 128, 1829-1832.	2.0	31
29	Grinding-Assisted Asymmetric Organocatalysis: A Solvent-free Approach to the Formation of Vicinal Quaternary and Tertiary Stereocenters. <i>Asian Journal of Organic Chemistry</i> , 2012, 1, 138-141.	2.7	27
30	Asymmetric Synthesis of Spiro $\beta$ -Lactams via a Squaramide-Catalyzed Sulfa-Michael Addition/Desymmetrization Protocol. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3173-3178.	4.3	26
31	Recent development in asymmetric organocatalytic domino reactions involving 1,6-addition as a key step. <i>Organic Chemistry Frontiers</i> , 2022, 9, 572-592.	4.5	24
32	Rapid Asymmetric Synthesis of Highly Functionalized Indanols via a Michael/Henry Organocascade with Submol% Squaramide Catalyst Loadings. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3181-3186.	4.3	22
33	Desymmetrization of Cyclopentenediones via Organocatalytic Cross-Dehydrogenative Coupling. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3729-3734.	4.3	22
34	<i>N</i> -Heterocyclic Carbene Catalyzed [4+2] Annulation of Enals via a Double Vinylogous Michael Addition: Asymmetric Synthesis of 3,5-Diaryl Cyclohexenones. <i>Angewandte Chemie</i> , 2017, 129, 6337-6341.	2.0	21
35	<i>N</i> -Heterocyclic carbene catalysed umpolung reactions of imines approaching enantioselective synthesis. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3821-3824.	4.5	21
36	Organocatalytic Enantioselective Morita-Baylis-Hillman Reaction of Maleimides with Isatins. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 586-592.	2.7	17

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37	Asymmetric Synthesis of Spiro Tetrahydrothiophene-indan-1,3-diones via a Squaramide-Catalyzed Sulfa-Michael/Aldol Domino Reaction. <i>Synthesis</i> , 2016, 48, 1131-1138.	2.3	17
38	Asymmetric Organocatalytic Synthesis of Highly Functionalized Spirocyclohexane Indandiones via a One-Pot Michael/Michael/Aldol Sequence. <i>Synthesis</i> , 2015, 47, 3618-3628.	2.3	16
39	Organocatalytic Asymmetric Synthesis of Trifluoromethylated Tetrahydrocarbazoles by a Vinylogous Michael/Aldol Formal [4+2] Annulation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2462-2465.	2.4	14
40	Asymmetric Synthesis of Five-Membered Spiropyrazolones via N-Heterocyclic Carbene (NHC)-Catalyzed [3+2] Annulations. <i>Synthesis</i> , 2017, 49, 1808-1815.	2.3	13
41	Asymmetric Organocatalytic Friedel-Crafts Hydroxyalkylation of Indoles Using Electrophilic Pyrazole-4,5-diones. <i>Synthesis</i> , 2018, 50, 1039-1046.	2.3	13
42	Catalytic asymmetric umpolung reactions of imines via 2-azaallyl anion intermediates. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4193-4212.	2.8	13
43	Squaramide-Catalyzed Asymmetric aza-Friedel-Crafts/N,O-Acetalization Domino Reactions Between 2-Naphthols and Pyrazolinone Ketimines. <i>Angewandte Chemie</i> , 2017, 129, 15560-15564.	2.0	12
44	Journey Heading towards Enantioselective Synthesis Assisted by Organocatalysis. <i>Chemical Record</i> , 2018, 18, 137-153.	5.8	12
45	Organocatalytic Asymmetric Domino Michael/Henry Reaction of Indolin-3-ones with o-Formyl- <i>l</i> <sup>2</sup> -nitrostyrenes. <i>Synthesis</i> , 2015, 47, 1024-1031.	2.3	11
46	Asymmetric Synthesis of Tetrahydrobenzofurans and Annulated Dihydropyrans via Cooperative One-Pot Organo- and Silver-Catalysis. <i>Synthesis</i> , 2016, 48, 3207-3216.	2.3	8
47	Asymmetric Synthesis of Cyclohexenone-Fused Isochromans via Quinidine-Catalyzed Domino Peroxyhemiacetalization/Oxa-Michael Addition/Desymmetrization Sequence. <i>Journal of Organic Chemistry</i> , 2022, 87, 6397-6402.	3.2	8
48	Organocatalytic Enantioselective Vinylogous Henry Reaction of 3,5-Dimethyl-4-nitroisoxazole with Trifluoromethyl Ketones. <i>Synthesis</i> , 2018, 50, 323-329.	2.3	7
49	Stereoselective Oxidative Mannich Reaction of Ketones with Dihydrodibenzo-Oxazepines via a Merger of Photoredox-Electro-Catalysis with Organocatalysis. <i>ChemSusChem</i> , 2022, 15, .	6.8	6