

# Dhevalapally B Ramachary

## List of Publications by Year in descending order

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93  
papers

4,231  
citations

94433

37  
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118850

62  
g-index

149  
all docs

149  
docs citations

149  
times ranked

2762  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Organo-Click Chemistry: Development of Organocatalytic Multicomponent Reactions Through Combinations of Aldol, Wittig, Knoevenagel, Michael, Diels-Alder and Huisgen Cycloaddition Reactions. <i>Chemistry - A European Journal</i> , 2004, 10, 5323-5331.	3.3	267
2	Sequential one-pot combination of multi-component and multi-catalysis cascade reactions: an emerging technology in organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1277-1300.	2.8	249
3	Dienamine Catalysis: An Emerging Technology in Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 865-887.	2.4	234
4	Amino Acid-Catalyzed Cascade [3+2]-Cycloaddition/Hydrolysis Reactions Based on the Push-Pull Dienamine Platform: Synthesis of Highly Functionalized 1,2,3-Triazoles. <i>Chemistry - A European Journal</i> , 2008, 14, 9143-9147.	3.3	202
5	Organocatalytic Sequential One-Pot Double Cascade Asymmetric Synthesis of Wieland-Miescher Ketone Analogues from a Knoevenagel/Hydrogenation/Robinson Annulation Sequence: Scope and Applications of Organocatalytic Biomimetic Reductions. <i>Journal of Organic Chemistry</i> , 2007, 72, 5056-5068.	3.2	191
6	An Organocatalytic Azide-Aldehyde [3+2] Cycloaddition: High-Yielding Regioselective Synthesis of 1,4-Disubstituted 1,2,3-Triazoles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10420-10424.	13.8	180
7	Direct Amino Acid-Catalyzed Asymmetric Desymmetrization of meso-Compounds: Tandem Aminoxylation/O <sub>2</sub> N Bond Heterolysis Reactions. <i>Organic Letters</i> , 2005, 7, 1577-1580.	4.6	143
8	Mimicking Dihydroxy Acetone Phosphate-Utilizing Aldolases through Organocatalysis: A Facile Route to Carbohydrates and Aminosugars. <i>Organic Letters</i> , 2005, 7, 1383-1385.	4.6	142
9	Organocatalytic Triazole Formation, Followed by Oxidative Aromatization: Regioselective Metal-Free Synthesis of Benzotriazoles. <i>Chemistry - A European Journal</i> , 2013, 19, 13175-13181.	3.3	125
10	Development of Pharmaceutical Drugs, Drug Intermediates and Ingredients by Using Direct Organo-Click Reactions. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 975-993.	2.4	98
11	Organocatalytic Cascade Reactions Based on Push-Pull Dienamine Platform: Synthesis of Highly Substituted Anilines. <i>Journal of Organic Chemistry</i> , 2007, 72, 1458-1463.	3.2	78
12	An Enolate-Mediated Organocatalytic Azide-Ketone [3+2] Cycloaddition Reaction: Regioselective High-Yielding Synthesis of Fully Decorated 1,2,3-Triazoles. <i>Chemistry - A European Journal</i> , 2014, 20, 16877-16881.	3.3	78
13	Development of drug intermediates by using direct organocatalytic multi-component reactions. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1641.	2.8	75
14	Discovery of 2-aminobuta-1,3-enynes in asymmetric organocascade catalysis: construction of drug-like spirocyclic cyclohexanes having five to six contiguous stereocenters. <i>Chemical Communications</i> , 2012, 48, 2252.	4.1	73
15	Direct amino acid-catalyzed cascade biomimetic reductive alkylations: application to the asymmetric synthesis of Hajos-Parrish ketone analogues. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4176.	2.8	71
16	Towards organo-click reactions: development of pharmaceutical ingredients by using direct organocatalytic bio-mimetic reductions. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4463.	2.8	69
17	Direct Catalytic Asymmetric Synthesis of Highly Functionalized 2-Methylchroman-2,4-diols via Barbastro List Aldol Reaction. <i>Chemistry - A European Journal</i> , 2009, 15, 4516-4522.	3.3	69
18	A General Approach to Chiral Building Blocks via Direct Amino Acid-Catalyzed Cascade Three-Component Reductive Alkylations: Formal Total Synthesis of HIV-1 Protease Inhibitors, Antibiotic Agglomerins, Brefeldin A, and (-)-3-Hexanolide. <i>Journal of Organic Chemistry</i> , 2010, 75, 74-85.	3.2	67

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19	Direct catalytic asymmetric synthesis of highly functionalized tetronic acids/tetrahydro-isobenzofuran-1,5-diones via combination of cascade three-component reductive alkylations and Michael-aldol reactions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2859.	2.8	62
20	Asymmetric Supramolecular Catalysis: A Bio-Inspired Tool for the High Asymmetric Induction in the Enamine-Based Michael Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 8008-8012.	3.3	62
21	An Organocatalytic Regiospecific Synthesis of 1,5-Disubstituted 4-Thio-1,2,3-Triazoles and 1,5-Disubstituted 1,2,3-Triazoles. <i>Chemistry - A European Journal</i> , 2015, 21, 16775-16780.	3.3	60
22	Double cascade reactions based on the Barbas dienamine platform: highly stereoselective synthesis of functionalized cyclohexanes for cardiovascular agents. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 719.	2.8	57
23	A general approach to high-yielding asymmetric synthesis of chiral 3-alkyl-4-nitromethylchromans via cascade Barbas-Michael and acetalization reactions. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2715.	2.8	57
24	A novel and green protocol for two-carbon homologation: a direct amino acid/K <sub>2</sub> CO <sub>3</sub> -catalyzed four-component reaction of aldehydes, active methylenes, Hantzsch esters and alkyl halides. <i>Tetrahedron Letters</i> , 2006, 47, 651-656.	1.4	56
25	Direct organocatalytic in situ generation of novel push-pull dienamines: application in tandem Claisen-Schmidt/iso-aromatization reactions. <i>Tetrahedron Letters</i> , 2005, 46, 7037-7042.	1.4	47
26	Observation of neighboring ortho-hydroxyl group participation in organocatalytic asymmetric sequential Michael-lactonization reactions: synthesis of highly substituted chiral spirodihydrocoumarins. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5825.	2.8	47
27	Asymmetric synthesis of drug-like spiro[chroman-3,3'-indolin]-2-ones through amination-catalysis. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 574-580.	2.8	47
28	Azide-acetonitrile click-reaction triggered by Cs <sub>2</sub> CO <sub>3</sub> : the atom-economic, high-yielding synthesis of 5-amino-1,2,3-triazoles. <i>RSC Advances</i> , 2015, 5, 62062-62066.	3.6	46
29	Multi-catalysis reactions: direct organocatalytic sequential one-pot synthesis of highly functionalized cyclopenta[b]chromen-1-ones. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4188.	2.8	45
30	Sequential combination of Michael and acetalization reactions: direct catalytic asymmetric synthesis of functionalized 4-nitromethyl-chromans as drug intermediates. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4259.	2.8	45
31	Organocatalytic Asymmetric Formal [3+2] Cycloaddition as a Versatile Platform to Access Methanobenzo[7]annulenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12930-12934.	13.8	45
32	A New One-Pot Synthetic Approach to the Highly Functionalized (Z)-2-(But-1,3-dienyl)phenols and 2-Methyl-2-H-chromenes: Use of Amine, Ruthenium and Base-Catalysis. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3907-3911.	2.4	44
33	Combining multi-catalysis and multi-component systems for the development of one-pot asymmetric reactions: stereoselective synthesis of highly functionalized bicyclo[4.4.0]decane-1,6-diones. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2488.	2.8	44
34	Direct organocatalytic hydroalkoxylation of $\alpha,\beta$ -unsaturated ketones. <i>Tetrahedron Letters</i> , 2006, 47, 7689-7693.	1.4	42
35	A new organocatalyst for Friedel-Crafts alkylation of 2-naphthols with isatins: application of an organo-click strategy for the cascade synthesis of highly functionalized molecules. <i>Tetrahedron Letters</i> , 2007, 48, 7618-7623.	1.4	38
36	Organocatalytic Vinyl Azide-Carbonyl [3+2] Cycloaddition: High-Yielding Synthesis of Fully Decorated $\alpha$ -Vinyl-1,2,3-Triazoles. <i>ChemCatChem</i> , 2017, 9, 263-267.	3.7	38

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37	Multi-catalysis cascade reactions based on the methoxycarbonylketene platform: diversity-oriented synthesis of functionalized non-symmetrical malonates for agrochemicals and pharmaceuticals. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2053.	2.8	34
38	Neighboring <i>ortho</i> -Hydroxy Group Directed Catalytic Asymmetric Triple Domino Reactions of Acetaldehyde with <i>ortho</i> -2-(Nitrovinyl)phenols. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3076-3081.	2.4	33
39	Triazabicyclodecene as an Organocatalyst for the Regiospecific Synthesis of 1,4-Trisubstituted <i>N</i> -Vinyl-1,2,3-triazoles. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 459-464.	2.4	31
40	Design, synthesis and biological evaluation of optically pure functionalized spiro[5,5]undecane-1,5,9-triones as HIV-1 inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7282.	2.8	29
41	Direct ionic liquid promoted organocatalyzed diazo-transfer reactions: diversity-oriented synthesis of diazo-compounds. <i>Tetrahedron Letters</i> , 2008, 49, 2704-2709.	1.4	28
42	Sequential Combination of Ruthenium-, Base-, and Gold-Catalysis – A New Approach to the Synthesis of Medicinally Important Heterocycles. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3514-3522.	2.4	28
43	Direct Organocatalytic Asymmetric Approach to Baylis-Hillman Type Products Through a Push-Pull Dienamine Platform. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2599-2605.	2.4	26
44	Catalytic [3 + 3]-Cycloaddition for Regioselective Preparation of Tricyclic Oxadiazines. <i>Organic Letters</i> , 2018, 20, 6979-6983.	4.6	26
45	High-yielding synthesis of Nefopam analogues (functionalized benzoxazocines) by sequential one-pot cascade operations. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3372.	2.8	25
46	Asymmetric Supramolecular Organocatalysis: A Complementary Upgrade to Organocatalysis. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5460-5483.	2.4	24
47	Electrostatic repulsion as an additional selectivity factor in asymmetric proline catalysis. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2685.	2.8	23
48	Asymmetric synthesis of tetrahydroquinolines through supramolecular organocatalysis. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4300-4304.	2.8	23
49	Unraveling the Stability of Plasma Proteins upon Interaction of Synthesized Androstenedione and Its Derivatives – A Biophysical and Computational Approach. <i>ACS Omega</i> , 2017, 2, 6514-6524.	3.5	22
50	Modular Access to Chiral 2,3-Dihydrofurans and 3,4-Dihydro-2 <i>H</i> -pyrans by Stereospecific Activation of Formylcyclopropanes through Combination of Organocatalytic Reductive Coupling and Lewis-Acid-Catalyzed Annulative Ring-Opening Reactions. <i>Journal of Organic Chemistry</i> , 2018, 83, 9795-9817.	3.2	22
51	Organocatalytic enone-azide [3 + 2]-cycloaddition: synthesis of functionally rich <i>C</i> / <i>N</i> -double vinyl 1,2,3-triazoles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4470-4478.	2.8	22
52	Sequential One-Pot Combination of Multireactions through Multicatalysis: A General Approach to Rapid Assembly of Functionalized Push-Pull Olefins, Phenols, and 2-Methyl-2H-chromenes. <i>ACS Combinatorial Science</i> , 2010, 12, 855-876.	3.3	21
53	High-Yielding Total Synthesis of Sexually Deceptive Chiloglottones and Antimicrobial Dialkylresorcinols through an Organocatalytic Reductive Coupling Reaction. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7317-7323.	2.4	21
54	A Modularly Designed Supramolecular Organocatalyst as an Effective Stimulant for the Highly Asymmetric Michael Addition of Ketones to Nitro Olefins. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6413-6418.	2.4	20

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55	Stereoselective Insertion of Benzyne into Lawsons: Synthesis of Biologically Important Benzannulated Bicyclo[3.3.0]octanes. <i>Chemistry - A European Journal</i> , 2019, 25, 1177-1183.	3.3	20
56	Rapid Synthesis of Functionalized Indenes, Triazoles, and Glucocorticoid Receptor Modulators by Sequential Multicatalysis Cascade Reactions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3205-3210.	2.4	19
57	A Brønsted Acid-Amino Acid as a Synergistic Catalyst for Asymmetric List-Lerner-Barbas Aldol Reactions. <i>Journal of Organic Chemistry</i> , 2016, 81, 2405-2419.	3.2	19
58	Direct organocatalytic stereoselective transfer hydrogenation of conjugated olefins of steroids. <i>RSC Advances</i> , 2013, 3, 13497.	3.6	18
59	[3+2] Cycloaddition for Fully Decorated Vinyl-1,2,3-Triazoles: Design, Synthesis and Applications. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2960-2983.	3.3	18
60	Rapid two-step synthesis of drug-like polycyclic substances by sequential multi-catalysis cascade reactions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 321-325.	2.8	17
61	Asymmetric Synthesis of Nature-Inspired Bioactive Spiro Compounds through Organocatalytic Diels-Alder Reactions. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 729-734.	2.7	17
62	A Brønsted Acid-Primary Amine as a Synergistic Catalyst for Stereoselective Asymmetric Diels-Alder Reactions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5220-5226.	2.4	17
63	Organocatalytic azomethine imine-olefin click reaction: high-yielding stereoselective synthesis of spiroindane-1,3-dione-pyrazolidinones. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6517-6522.	2.8	17
64	Stereoselective synthesis of cyclopentanone-fused benzosultams through Tomita zipper cyclization. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6413-6416.	2.8	17
65	Organocatalytic umpolung annulative dimerization of ynones for the synthesis of 5-alkylidene-2-cyclopentenones. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9785-9789.	2.8	16
66	Unravelling the binding mechanism and protein stability of human serum albumin while interacting with nefopam analogues: a biophysical and <i>in silico</i> approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 2280-2292.	3.5	16
67	Organocatalytic Reductive Propargylation: Scope and Applications. <i>Journal of Organic Chemistry</i> , 2019, 84, 15399-15416.	3.2	16
68	Organocatalytic Selective [3 + 2] Cycloadditions: Synthesis of Functionalized 5-Arylthiomethyl-1,2,3-triazoles and 4-Arylthio-1,2,3-triazoles. <i>Journal of Organic Chemistry</i> , 2020, 85, 15488-15501.	3.2	16
69	Rawal's catalyst as an effective stimulant for the highly asymmetric Michael addition of $\beta$ -keto esters to functionally rich nitro-olefins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5494-5499.	2.8	15
70	Organocatalytic Asymmetric Formal [3+2] Cycloaddition as a Versatile Platform to Access Methanobenzo[7]annulenes. <i>Angewandte Chemie</i> , 2017, 129, 13110-13114.	2.0	15
71	Reaction engineering and photophysical studies of fully enriched <i>C</i> -vinyl-1,2,3-triazoles. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3620-3628.	4.5	15
72	Direct catalytic asymmetric synthesis of highly functionalized (2-ethynylphenyl)alcohols via Barbas-List aldol reaction: scope and synthetic applications. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5094.	2.8	14

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73	Direct amino acid-catalyzed cascade reductive alkylation of arylacetonitriles: high-yielding synthesis of ibuprofen analogs. <i>Tetrahedron Letters</i> , 2010, 51, 5246-5251.	1.4	12
74	Catalytic Ynone-Imidinium Formal [4 + 2]-Cycloaddition for the Regioselective Synthesis of Tricyclic Azepines. <i>Organic Letters</i> , 2020, 22, 9653-9657.	4.6	11
75	High-yielding sequential one-pot synthesis of chiral and achiral $\beta$ -substituted acrylates via a metal-free reductive coupling reaction. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5400-5406.	2.8	10
76	Organocatalytic diastereoselective synthesis of chiral decalines through the domino Claisen-Schmidt/Henry reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5110-5114.	2.8	10
77	Organocatalytic Formal Intramolecular [3+2]-Cycloaddition to Acquire Biologically Important Methanodibenzo[a,f]azulenes and Methanobenzo[f]azulenes. <i>Chemistry - A European Journal</i> , 2019, 25, 14036-14041.	3.3	10
78	Spectroscopic evaluation of synthesized 5 $\beta$ -dihydrocortisol and 5 $\beta$ -dihydrocortisol acetate binding mechanism with human serum albumin and their role in anticancer activity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 623-640.	3.5	10
79	One-Pot Knoevenagel and [4 + 2] Cycloaddition as a Platform for Calliviminones. <i>Organic Letters</i> , 2020, 22, 2897-2901.	4.6	8
80	Catalytic Asymmetric Synthesis of Benzobicyclo[3.2.1]octanes. <i>Chemistry - A European Journal</i> , 2021, 27, 10563-10568.	3.3	8
81	Organocatalytic Enantiospecific Total Synthesis of Butenolides. <i>Molecules</i> , 2021, 26, 4320.	3.8	7
82	Organocatalytic Asymmetric Formal [3+3]-Cycloaddition to Access 2,3-Diazaspiro[4.5]deca-3,6-dien-1-ones. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6623-6628.	2.4	7
83	An Aldehyde-Azomethine Imine [3+2]-Cycloaddition: High-Yielding Regioselective Synthesis of Substituted N,N-Bicyclic Pyrazolidinones. <i>ChemistrySelect</i> , 2018, 3, 7900-7905.	1.5	5
84	Parts-per-Million Level, Catalytic [3+2]-Annulations for the Asymmetric Synthesis of Methanobenzo[7]annulenes. <i>Chemistry - A European Journal</i> , 2021, 27, 18033-18038.	3.3	5
85	Construction of 2-Thiabicyclo[3.3.1]nonanes by Organocatalytic Asymmetric Formal [3+3] Cycloaddition. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1852-1857.	2.4	4
86	Lawsonic acid as synthon in the catalytic asymmetric reactions. <i>Tetrahedron</i> , 2022, , 132793.	1.9	4
87	The seven-step, one-pot regioselective synthesis of biologically important 3-aryl lawsones: scope and applications. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3948-3954.	2.8	3
88	Direct organocatalytic Wittig/Hetero-Diels-Alder reactions in one-pot: synthesis of highly-substituted tetrahydropyranones. <i>Arkivoc</i> , 2016, 2016, 98-115.	0.5	1
89	Organocatalytic One-Pot Synthesis of Pseudo-Terpenoids. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	1
90	Direct Amino Acid Catalyzed Asymmetric Desymmetrization of meso-Compounds: Tandem Aminoxylation/O $\rightarrow$ N Bond Heterolysis Reactions. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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91	Direct Organocatalytic in situ Generation of Novel Push-Pull Dienamines: Application in Tandem Claisen-Schmidt/Iso-Aromatization Reactions.. ChemInform, 2006, 37, no.	0.0	0
92	Frontispiece: Stereoselective Insertion of Benzyne into Lawsons: Synthesis of Biologically Important Benzannulated Bicyclo[3.3.0]octanes. Chemistry - A European Journal, 2019, 25, .	3.3	0
93	Status of Asymmetric Catalysis in India during the Last Ten Years. Proceedings of the Indian National Science Academy, 2019, , .	1.4	0