

# Kavirayani R Prasad

## List of Publications by Year in descending order

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103  
papers

1,743  
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304743

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33  
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118  
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118  
docs citations

118  
times ranked

1184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Synthesis of Aziridine 2-Phosphonates from Enantiopure Sulfinimines (N-Sulfinyl Imines). Synthesis of $\hat{1}\pm$ -Amino Phosphonates. <i>Journal of Organic Chemistry</i> , 2003, 68, 2410-2419.	3.2	101
2	Stereoselective Total Synthesis of Bioactive Styryllactones (+)-Goniofufurone, (+)-7-epi-Goniofufurone, (+)-Goniopyprone, (+)-Goniotriol, (+)-Altholactone, and ( $\hat{a}$ <sup>+</sup> )-Etharvensin. <i>Journal of Organic Chemistry</i> , 2008, 73, 2-11.	3.2	83
3	N-Sulfinyl $\hat{1}^2$ -Amino Weinreb Amides: Synthesis of Enantiopure $\hat{1}^2$ -Amino Carbonyl Compounds. Asymmetric Synthesis of (+)-Sedridine and ( $\hat{a}$ <sup>+</sup> )-Allosedridine. <i>Organic Letters</i> , 2003, 5, 925-927.	4.6	64
4	2H-Azirine 3-Phosphonates: A New Class of Chiral Iminodienophiles. Asymmetric Synthesis of Quaternary Piperidine Phosphonates. <i>Organic Letters</i> , 2002, 4, 655-658.	4.6	50
5	Stereoselective Synthesis of Cytotoxic Anhydrophytoosphingosine Pachastrissamine [Jaspine B]. <i>Journal of Organic Chemistry</i> , 2007, 72, 6312-6315.	3.2	50
6	Asymmetric Synthesis of $\hat{1}^2$ -Amino Carbonyl Compounds with N-Sulfinyl $\hat{1}^2$ -Amino Weinreb Amides. <i>Journal of Organic Chemistry</i> , 2005, 70, 2184-2190.	3.2	48
7	Enantiospecific total synthesis of indole alkaloids (+)-eburnamonine, ( $\hat{a}$ <sup>+</sup> )-aspidospermidine and ( $\hat{a}$ <sup>+</sup> )-quebrachamine. <i>Tetrahedron</i> , 2013, 69, 5525-5536.	1.9	44
8	Asymmetric Synthesis of Polyhydroxy $\hat{1}\pm$ -Amino Acids with the Sulfinimine-Mediated Asymmetric Strecker Reaction: A 2-Amino 2-Deoxyl-Xylono-1,5-lactone (Polyoxamic Acid Lactone). <i>Journal of Organic Chemistry</i> , 2002, 67, 7802-7806.	3.2	40
9	Stereoselective formal synthesis of ( $\hat{a}$ <sup>+</sup> )-centrolobine. <i>Tetrahedron</i> , 2007, 63, 1089-1092.	1.9	40
10	Stereoselective Synthesis of (+)-Goniothalesdiol. <i>Journal of Organic Chemistry</i> , 2006, 71, 3643-3645.	3.2	39
11	Stereoselective syntheses of $\hat{1}^3$ -alkyl (aryl)- $\hat{1}\pm$ , $\hat{1}^2$ -dihydroxy- $\hat{1}^3$ -butyrolactones and naturally occurring lipid guggultetrol. <i>Tetrahedron</i> , 2007, 63, 1798-1805.	1.9	36
12	Enantioselective Formal Synthesis of Palmerolide A. <i>Organic Letters</i> , 2011, 13, 4252-4255.	4.6	35
13	Stereoselective Total Synthesis of (+)-Cardiobutanolide. <i>Journal of Organic Chemistry</i> , 2008, 73, 2916-2919.	3.2	30
14	Enantiodivergent Synthesis of Both Enantiomers of Gypsy Moth Pheromone Disparlure. <i>Journal of Organic Chemistry</i> , 2007, 72, 3155-3157.	3.2	25
15	Asymmetric synthesis of unsaturated $\hat{1}\pm$ -benzyloxyaldehydes: an enantioselective synthesis of (+)-exo-brevicomine. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3951-3953.	1.8	24
16	An Expedient Enantiospecific Total Synthesis of (+)-7-epi-Goniofufurone. <i>Synlett</i> , 2005, 2005, 2260-2262.	1.8	24
17	Stereoselective synthesis of (+)-boronolide and ( $\hat{a}$ <sup>+</sup> )-5-epi-boronolide. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1146-1151.	1.8	24
18	Enantiodivergent Formal Total Synthesis of Aspercyclide C from l-(+)-Tartaric Acid. <i>Synthesis</i> , 2010, 2010, 2521-2526.	2.3	24

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19	Facile Synthesis of Isochromanones and Isoquinolones by AuCl <sub>3</sub> Catalyzed Cascade Triggered by an Internal Nucleophile. <i>Organic Letters</i> , 2013, 15, 2778-2781.	4.6	24
20	Synthesis of Î <sup>2</sup> -Amino-Substituted Enones by Addition of Substituted Methyl Enones to Sulfinimines: Application to the Total Synthesis of Alkaloids (+)-Lasubine II and (+)-241D and the Formal Total Synthesis of (â <sup>~</sup> )-Lasubine I. <i>Journal of Organic Chemistry</i> , 2016, 81, 11363-11371.	3.2	24
21	Stereoselective Synthesis of C1-C18 Region of Palmerolide A from Tartaric Acid. <i>Synlett</i> , 2010, 2010, 1093-1095.	1.8	23
22	Total Synthesis of (â <sup>~</sup> )-Anamarine. <i>Journal of Organic Chemistry</i> , 2011, 76, 6889-6893.	3.2	23
23	An Unusual Ringâ€Contraction/Rearrangement Sequence for Making Functionalized Diâ€and Triquinanes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10997-11000.	13.8	23
24	Asymmetric synthesis of Î±-methoxyarylacetic acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 1897-1900.	1.8	21
25	Stereoselective Total Synthesis of Bioactive Styryllactones: 9-Deoxygonioppyrone, Gonioppyrone and 7- <i>epi</i> -Goniofufurone. <i>Synthesis</i> , 2007, 2007, 3697-3705.	2.3	21
26	Enantioselective Synthesis of Possible Diastereomers of Heptadeca-1-ene-4,6-diyne-3,8,9,10-tetrol; Putative Structure of a Conjugated Diyne Natural Product Isolated from <i>Hydrocotyle leucocephala</i> . <i>Journal of Organic Chemistry</i> , 2011, 76, 2029-2039.	3.2	21
27	Total Synthesis of (+)-Eburnamonine. <i>Synlett</i> , 2012, 23, 1477-1480.	1.8	21
28	Enantiospecific Total Synthesis of Macrolactone Sch 725674. <i>Organic Letters</i> , 2014, 16, 4001-4003.	4.6	21
29	Stereoselective synthesis of (â <sup>~</sup> )-6-acetoxyhexadecanolide: a mosquito oviposition attractant pheromone. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2479-2483.	1.8	20
30	Total synthesis of (â <sup>~</sup> )-ent-pachastrissamine (ent-Jaspine B). <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1400-1403.	1.8	20
31	Enantioselective synthesis of macrolactone core of the natural product Sch725674. <i>Tetrahedron</i> , 2014, 70, 2096-2101.	1.9	20
32	Enantioselective synthesis of Î±-benzyloxy-Î±-alkenals: application to the synthesis of (+)-exo-brevicomine, (+)-iso-exo-brevicomine, and (â <sup>~</sup> )-isolaurepan. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1419-1427.	1.8	19
33	Facile stereoselective syntheses of goniodiol, 8- <i>epi</i> -goniodiol and 9-deoxygonioppyrone. <i>Tetrahedron Letters</i> , 2007, 48, 4679-4682.	1.4	19
34	Total Synthesis and Determination of the Absolute Configuration of 5,6-Dihydro-Î±-pyrone Natural Product Synargentolide B. <i>Journal of Organic Chemistry</i> , 2013, 78, 3313-3322.	3.2	19
35	Enantiospecific Total Synthesis of (â <sup>~</sup> )-Bengamideâ€...E. <i>Chemistry - an Asian Journal</i> , 2013, 8, 488-493.	3.3	19
36	Enantiospecific synthesis of (â <sup>~</sup> )-2-hydroxy-exo-brevicomine. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 850-853.	1.8	18

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37	Enantiospecific synthesis of (âˆ™)-muricatacin from l-(+)-tartaric acid. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2465-2467.	1.8	18
38	Stereoselective Total Synthesis of (-)-9-Deoxygoniopyprone. <i>Synlett</i> , 2007, 2007, 1112-1114.	1.8	18
39	Stereoselective Formal Total Synthesis of (-)-Didemniserinolipid B. <i>Synlett</i> , 2009, 2009, 2593-2596.	1.8	18
40	Total synthesis of (+)-phomopsolide B. <i>Tetrahedron</i> , 2012, 68, 7489-7493.	1.9	18
41	Total Synthesis of (+)-Seimatopolide A. <i>Journal of Organic Chemistry</i> , 2014, 79, 1461-1466.	3.2	18
42	Nucleophilic Addition Reactions of 1,4-Diketones Derived from Tartaric Acid: Synthesis of TADDOL Analogues. <i>Synthesis</i> , 2006, 2006, 2159-2166.	2.3	17
43	Facile enantiospecific synthesis of (âˆ™)-muricatacin. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2616-2619.	1.8	17
44	Stereoselective total synthesis of (+)-pinellic acid from l-(+)-tartaric acid. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1134-1138.	1.8	17
45	Stereoselective total synthesis of (+)-synargentolide A. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2853-2858.	1.8	17
46	Enantioselective total synthesis of macrosphelides A and E. <i>Tetrahedron</i> , 2011, 67, 4514-4520.	1.9	17
47	Enantioselective total synthesis of iso-cladospolide B, cladospolide C and cladospolide B from tartaric acid. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 499-505.	1.8	17
48	Formal Total Synthesis of Palmerolideâ€™...A. <i>Chemistry - A European Journal</i> , 2012, 18, 15202-15206.	3.3	17
49	2-Pyridylsulfonamides as effective catalysts in the asymmetric alkylation of aldehydes with diethylzinc. <i>Tetrahedron</i> , 2013, 69, 8422-8428.	1.9	17
50	An enantiospecific synthesis of (+)-hydroxy-exo-brevicomine. <i>Tetrahedron Letters</i> , 2006, 47, 1433-1435.	1.4	16
51	Facile enantiospecific synthesis of (+)-iso-cladospolide B. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 275-276.	1.8	15
52	Total Synthesis of Gabosine H. <i>Synlett</i> , 2011, 2011, 1602-1604.	1.8	15
53	Stereoselective Addition of a Lithium Anion of 1,1-Diphenyl-2-aza-pentadiene to Sulfinimines: Application to the Synthesis of (âˆ™)-Epiquinamide. <i>Organic Letters</i> , 2019, 21, 9109-9113.	4.6	15
54	An Expedient Enantiospecific Synthesis of (+)-2-Hydroxy-exo-brevicomine. <i>Synlett</i> , 2006, 2006, 2087-2088.	1.8	13

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55	An Expedient Enantiospecific Total Synthesis of (-)-Crassalactone C. <i>Synthesis</i> , 2013, 45, 785-790.	2.3	13
56	Efficient enantiospecific synthesis of ent-conduramine F-1. <i>Tetrahedron</i> , 2018, 74, 6689-6693.	1.9	13
57	Enantiodivergent synthesis of both antipodes of hydroxy-exo-brevicomine from l-(+)-tartaric acid. <i>Tetrahedron</i> , 2006, 62, 8303-8308.	1.9	12
58	Formal total synthesis of (+)-didemniserinolipid B. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2848-2852.	1.8	12
59	Asymmetric Synthesis Using Sulfinimines (N-Sulfinyl Imines). Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1109-1117.	1.6	11
60	Stereoselective synthesis of (âˆ“)microcarpalide. <i>Tetrahedron Letters</i> , 2007, 48, 309-311.	1.4	11
61	Enantiodivergent total synthesis of microcarpalide from l-tartaric acid. <i>Tetrahedron</i> , 2011, 67, 4268-4276.	1.9	10
62	Metabolites of PPI-2458, a Selective, Irreversible Inhibitor of Methionine Aminopeptidase-2: Structure Determination and In Vivo Activity. <i>Drug Metabolism and Disposition</i> , 2013, 41, 814-826.	3.3	10
63	Total Synthesis of the Bis-silyl Ether of (+)-15-epi-âˆ“-Aetheramide A. <i>Journal of Organic Chemistry</i> , 2017, 82, 438-460.	3.2	10
64	Synthesis of $\hat{1}^2$ -Amino Ketones by Addition of Aryl Methyl Ketones to Sulfinimines: Application to the Total Synthesis of HPA-12, Norsedamine, and Sedamine. <i>Journal of Organic Chemistry</i> , 2017, 82, 13488-13499.	3.2	10
65	Asymmetric synthesis of both enantiomers of $\hat{1}^{\pm}$ -methyl- $\hat{1}^{\pm}$ -methoxyphenylacetic acid from l-(+)-tartaric acid: formal enantioselective synthesis of insect pheromone (âˆ“)frontalin. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1979-1984.	1.8	9
66	Total Synthesis of (+)-Cladospolide A. <i>Synthesis</i> , 2012, 44, 2243-2248.	2.3	9
67	Total Synthesis of (+)-Pinellic Acid. <i>Synthesis</i> , 2013, 45, 1991-1996.	2.3	9
68	Gold catalyzed intramolecular hydroalkoxylation assisted ring opening of furans to the corresponding saturated $\hat{1}^3$ -keto esters. <i>Tetrahedron</i> , 2015, 71, 9081-9087.	1.9	9
69	Enantiospecific Formal Total Synthesis of Iriomoteolideâ€¦3a. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3431-3439.	3.3	8
70	Synthesis and evaluation of C2-symmetric bis-sulfinamides as effective ligands in rhodium catalyzed addition of arylboronic acids to cycloalkenones. <i>Tetrahedron</i> , 2016, 72, 5355-5362.	1.9	8
71	Enantiospecific total synthesis of the putative structure of cryptopyranmoscatone B2. <i>Tetrahedron</i> , 2018, 74, 2627-2633.	1.9	8
72	Formal total synthesis of (+)-stemoamide. <i>Tetrahedron</i> , 2020, 76, 131623.	1.9	8

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73	Total synthesis of panaxytriol and panaxydiol. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1261-1265.	1.8	7
74	MPK-09, a Small Molecule Inspired from Bioactive Styryllactone Restores the Wild-Type Function of Mutant p53. <i>ACS Chemical Biology</i> , 2013, 8, 1429-1434.	3.4	7
75	Synthesis of Azepino[4,5-b]indolones by an Intramolecular Cyclization of $\hat{\text{A}}$ Unsaturated Tryptamides. <i>Synlett</i> , 2014, 25, 2585-2590.	1.8	7
76	Total synthesis of (+)-anamarine. <i>Tetrahedron</i> , 2014, 70, 4552-4556.	1.9	7
77	Addition of the Lithium Anion of Diphenylmethanol Methyl/Methoxymethyl Ether to Nonracemic Sulfinimines: Two-Step Asymmetric Synthesis of Diphenylprolinol Methyl Ether and Chiral (Diphenylmethoxymethyl)amines. <i>Journal of Organic Chemistry</i> , 2018, 83, 10776-10785.	3.2	6
78	Stereoselective Conjugate Addition of the Lithium Anion of N-Allyl Imine to Unsaturated Esters: Application to the Enantiospecific Total Synthesis of ( $\hat{\text{a}}$ <sup>+</sup> )-Epibatidine. <i>Journal of Organic Chemistry</i> , 2019, 84, 9648-9660.	3.2	6
79	An Expedient Asymmetric Synthesis of the Polyketide Unit Present in HIV-Inhibitory Depsipeptides Aetheramide A and B. <i>Synlett</i> , 2014, 25, 2887-2890.	1.8	5
80	Total synthesis of the indole alkaloids henrycinol A and B. <i>Tetrahedron</i> , 2014, 70, 4611-4616.	1.9	5
81	Enantiospecific synthesis of functionalized polyols from tartaric acid using Ley's dithiaketalization: Application to the total synthesis of achaetolide. <i>Tetrahedron</i> , 2016, 72, 8623-8636.	1.9	5
82	Total synthesis of ( $\hat{\text{a}}$ <sup>+</sup> )-Cryptofolione. <i>Tetrahedron</i> , 2021, 79, 131842.	1.9	5
83	Facile Enantiospecific Synthesis of Dihydrocondurotols E and F. <i>Synthesis</i> , 2008, 2008, 3155-3159.	2.3	4
84	Unprecedented formation of a 14-membered dihydropyran macrocycle via sequential olefin cross metathesis-intramolecular hetero Diels-Alder reaction. <i>Tetrahedron</i> , 2013, 69, 6512-6518.	1.9	4
85	Addition of Lithium Anion of (Acetylmethylene)triphenylphosphorane to Nonracemic Sulfinimines: Total Synthesis of (+)-241D and Formal Total Synthesis of (+)-Preussin. <i>Organic Letters</i> , 2020, 22, 7273-7277.	4.6	4
86	Polymorphism in a TADDOL analogue induced by the presence of a chiral impurity. <i>CrystEngComm</i> , 2010, 12, 3452.	2.6	3
87	Stereoselective addition of Grignard reagents to sulfinimines derived from tartrate diol (threitol): Generation of chiral building blocks for the collective total synthesis of lentiginosine, conhydrine and methyl dihydropalustramate. <i>Tetrahedron</i> , 2019, 75, 130496.	1.9	3
88	Stereoselective Synthesis of $\hat{\text{I}}$ <sup>2</sup> -Amino Yrones by the Addition of Alkynones to Nonracemic Sulfinimines: Formal Total Synthesis of l-Xylo and l-Arabino Phytosphingosines. <i>Journal of Organic Chemistry</i> , 2020, 85, 2743-2751.	3.2	3
89	Total synthesis of (+)-diospongín A. <i>Tetrahedron</i> , 2020, 76, 131625.	1.9	3
90	Total synthesis of (+)- $\hat{\text{I}}$ <sup>3</sup> -lycorane from ethyl lactate using iterative Claisen and Overman rearrangement reactions. <i>Tetrahedron</i> , 2020, 76, 131661.	1.9	3

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91	Stereoselective synthesis of functionalized allenes from tartaric acid. <i>Tetrahedron</i> , 2020, 76, 131706.	1.9	3
92	Total synthesis of monticolides A and B. <i>Tetrahedron</i> , 2021, 84, 132004.	1.9	3
93	$\beta$ -Hydroxy Amides from Tartaric Acid: Versatile Chiral Building Blocks for the Total Synthesis of Natural Products. <i>Chemical Record</i> , 2021, 21, 1957-1967.	5.8	3
94	Total Synthesis of Sch 725674. <i>Tetrahedron</i> , 2018, 74, 2488-2492.	1.9	2
95	Furan Oxidation Strategy for the Synthesis of the Macrolactone Analogue of Migrastatin. <i>Journal of Organic Chemistry</i> , 2019, 84, 14974-14979.	3.2	2
96	Synthesis of the C9-C22 fragment of polyene polyol containing macrolactone natural product pentamycin. <i>Tetrahedron</i> , 2020, 76, 131708.	1.9	2
97	Synthesis of the macrolactone core of the revised structure of palmerolide C. <i>Tetrahedron</i> , 2021, 77, 131768.	1.9	1
98	Synthesis of the tetrahydropyran fragment of (+)-Ratjadone A. <i>Tetrahedron</i> , 2021, 78, 131824.	1.9	1
99	Four-Step Total Synthesis of (+)-Euphococcinine and ( $\pm$ )-Adaline. <i>Journal of Organic Chemistry</i> , 2021, 86, 12285-12291.	3.2	1
100	Asymmetric Synthesis of Aziridine 2-Phosphonates from Enantiopure Sulfinimines (N-Sulfinyl Imines). Synthesis of $\beta$ -Amino Phosphonates.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
101	N-Sulfinyl $\beta$ -Amino Weinreb Amides: Synthesis of Enantiopure $\beta$ -Amino Carbonyl Compounds. Asymmetric Synthesis of (+)-Sedridine and (-)-Allosedridine.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
102	Asymmetric Synthesis of $\beta$ -Amino Carbonyl Compounds with N-Sulfinyl $\beta$ -Amino Weinreb Amides.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
103	Letters from India: A Personal Perspective from the Subcontinent. <i>Organic Letters</i> , 2019, 21, 8867-8868.	4.6	0