

Rodney A Fernandes

List of Publications by Year in descending order

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115
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304743

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135
docs citations

135
times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Bis- η -allylpalladium Complex Catalyzed Asymmetric Allylation of Imines: Enhancement of the Enantioselectivity and Chemical Yield in the Presence of Water. <i>Journal of the American Chemical Society</i> , 2003, 125, 14133-14139.	13.7	131
2	The First Catalytic Asymmetric Allylation of Imines with the Tetraallylsilane-TBAF/MeOH System, Using the Chiral Bis- η -allylpalladium Complex. <i>Journal of Organic Chemistry</i> , 2004, 69, 735-738.	3.2	98
3	Recent advances in Wacker oxidation: from conventional to modern variants and applications. <i>Catalysis Science and Technology</i> , 2020, 10, 7448-7470.	4.1	62
4	Catalytic allylic functionalization via η -allyl palladium chemistry. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8647-8672.	2.8	61
5	Hypervalent Iodine as a Terminal Oxidant in Wacker-Type Oxidation of Terminal Olefins to Methyl Ketones. <i>Journal of Organic Chemistry</i> , 2016, 81, 2113-2121.	3.2	60
6	Iron(III) Sulfate as Terminal Oxidant in the Synthesis of Methyl Ketones via Wacker Oxidation. <i>Journal of Organic Chemistry</i> , 2014, 79, 5787-5793.	3.2	48
7	Recent advances in the Overman rearrangement: synthesis of natural products and valuable compounds. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2672-2710.	2.8	44
8	A Chiron Approach to the Total Synthesis of (\pm)-Juglomycin A, (+)-Kalafungin, (+)-Frenolicin B, and (+)-Deoxyfrenolicin. <i>Journal of Organic Chemistry</i> , 2012, 77, 10455-10460.	3.2	43
9	The Orthoester Johnson-Claisen Rearrangement in the Synthesis of Bioactive Molecules, Natural Products, and Synthetic Intermediates – Recent Advances. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2833-2871.	2.4	43
10	A Protecting-Group-Free Synthesis of Hagen's Gland Lactones. <i>Journal of Organic Chemistry</i> , 2012, 77, 9357-9360.	3.2	40
11	Catalytic Asymmetric Carbalkoxyallylation of Imines with the Chiral Bis- η -allylpalladium Complex. <i>Journal of Organic Chemistry</i> , 2004, 69, 3562-3564.	3.2	38
12	Total Synthesis of (+)-Cephalosporolide E and (-)-Cephalosporolide F en route to Bassianolone. <i>Synlett</i> , 2010, 2010, 158-160.	1.8	38
13	Total Synthesis of (+)-Demethoxycardinalin 3. <i>Journal of Organic Chemistry</i> , 2010, 75, 7029-7032.	3.2	37
14	Stereoselective Total Synthesis of (+)-Nephrosteranic Acid and (+)-Roccellaric Acid through Asymmetric Dihydroxylation and Johnson-Claisen Rearrangement. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1106-1112.	2.4	31
15	A 12-membered to a strained 11-membered ring: first stereoselective total synthesis of (\pm)-asteriscunolide C. <i>Chemical Communications</i> , 2013, 49, 3354.	4.1	31
16	A short enantioselective synthesis of (+)-eleutherin, (+)-allo-eleutherin and a formal synthesis of (+)-nocardione B. <i>Tetrahedron Letters</i> , 2008, 49, 6341-6343.	1.4	29
17	Total Syntheses of All Stereoisomers of Phenatic Acid B. <i>Journal of Organic Chemistry</i> , 2009, 74, 8826-8829.	3.2	28
18	Step-Economic and Protecting-Group-Free Total Synthesis of (+)-Cardiobutanolide. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 74-84.	2.7	28

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37	Synthesis of $\hat{1}^2, \hat{1}^3$ -disubstituted- $\hat{1}^3$ -lactones through a Johnson-Claisen rearrangement: a short route to xylobovide, nor-canadensolide, canadensolide, sporothriolide and santolinolide. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2835-2844.	1.8	19
38	A D \hat{A} rtz benzannulation route to the enantioselective synthesis of (\hat{a} ~)- and (+)-juglomycin A. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1312-1319.	1.8	19
39	Development of the First Menthane-Based Chiral Bis(\hat{I} -allylpalladium) Catalysis: Asymmetric Allylation of Imines. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1945-1952.	2.4	19
40	Development of Unimolecular Tetrakis(piperidinol) as a Ligand for Suzuki-Miyaura Cross-Coupling Reactions: Synthesis of Incrustoporin and Preclamol. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3558-3567.	2.4	19
41	Advances in Total Synthesis of Some 2,3,5-Trisubstituted Tetrahydrofuran Natural Products. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2815-2837.	3.3	19
42	Dimeric Fischer Carbenes: A Bidirectional D \hat{A} rtz Benzannulation and oxa-Pictet-Spengler Strategy for the Synthesis of the Regioisomeric Core of Cardinalin 3. <i>Synlett</i> , 2010, 2010, 2667-2671.	1.8	18
43	A concise and improved synthesis of (+)-eleutherin, (+)-allo-eleutherin and a formal synthesis of (+)-nocardione B. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 487-492.	1.8	18
44	Synthetic studies on C14 cembranoids: synthesis of C4 \hat{A} -12 fragment of sarcophytonolides E \hat{A} -G and L and C5 \hat{A} -11 fragment of sarcophytonolide L. <i>Tetrahedron Letters</i> , 2011, 52, 458-460.	1.4	18
45	A concise total synthesis of arizonins B1 and C1. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1548-1555.	1.8	18
46	An expedient osmium(vi)/K3Fe(CN)6-mediated selective oxidation of benzylic, allylic and propargylic alcohols. <i>RSC Advances</i> , 2014, 4, 40561-40568.	3.6	18
47	An Efficient Synthesis of (\hat{a} ~)-Posticlude: The Sex Pheromone of <i>Orgyia postica</i> . <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5064-5070.	2.4	17
48	A diethyltartrate-based synthesis of both (\hat{a} ~)- and (+)-arundic acid. <i>Tetrahedron Letters</i> , 2009, 50, 5903-5905.	1.4	16
49	A relay ring-opening/double ring-closing metathesis strategy for the bicyclic macrolide-butenolide core structures. <i>RSC Advances</i> , 2014, 4, 63342-63348.	3.6	16
50	Stereoselective inversion of $\hat{1}^3$ -vinyl- $\hat{1}^3$ -butyrolactone under palladium catalysis: application to the synthesis of (+)-exo- and (+)-endo-brevicomins. <i>RSC Advances</i> , 2014, 4, 14507.	3.6	16
51	Synthetic Studies toward Actinorhodin and $\hat{1}^3$ -Actinorhodin by using a Homo-coupling Strategy: Synthesis of Hemiactinorhodin and Hemi- $\hat{1}^3$ -actinorhodin. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4931-4938.	2.4	16
52	De novo protecting-group-free total synthesis of (+)-muricadienin, (+)-ancepsenolide and (+)-3-hexadecyl-5-methylfuran-2(5H)-one. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9072-9079.	2.8	16
53	Total Synthesis of the Sensitive Triyne Natural Product (4 <i>S</i> ,5 <i>S</i>)-4,8-Dihydroxy-3,4-dihydrovernoniyne and All of Its Stereoisomers. <i>Organic Letters</i> , 2019, 21, 5827-5831.	4.6	16
54	Metal-Free Br \hat{A} nsted Acid-Catalyzed Rearrangement of $\hat{1}$ -Hydroxyalkynones to 2,3-Dihydro-4 <i>H</i> -pyran-4-ones: Total Synthesis of Obolactone and a Catechol Pyran Isolated from <i>Plectranthus sylvestris</i> . <i>Journal of Organic Chemistry</i> , 2019, 84, 3537-3551.	3.2	16

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55	A Decade with D ^A rtz Benzannulation in the Synthesis of Natural Products. <i>Synlett</i> , 2020, 31, 403-420.	1.8	16
56	Stereoselective synthesis of (â [~])-1-epi-ventiloquinone L and (+)-ventiloquinone L, the monomeric unit of cardinalin 3. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4462.	2.8	15
57	Unimolecular 4â [~] Hydroxypiperidines: New Ligands for Copperâ [~] Catalyzed Nâ [~] Arylation. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 552-559.	2.7	15
58	Traceless OH-Directed Wacker Oxidation-Elimination, an Alternative to Wittig Olefination/Aldol Condensation: One-Pot Synthesis of <i>Î±</i>, <i>Î²</i>-Unsaturated and Nonconjugated Ketones from Homoallyl Alcohols. <i>Journal of Organic Chemistry</i> , 2016, 81, 8577-8584.	3.2	15
59	Diastereoselective synthesis of (+)-nephrosterinic acid and (+)-protolichesterinic acid. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 60-66.	1.8	14
60	Iron(III)/O₂-Mediated Regioselective Oxidative Cleavage of 1-Arylbutadienes to Cinnamaldehydes. <i>Organic Letters</i> , 2019, 21, 9203-9207.	4.6	14
61	A practical and improved process for the synthesis of Hagenâ [~] TM's gland lactones by catalytic hydro-deiodination. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1022-1025.	1.8	13
62	Total Synthesis of Marine Natural Products: Cephalosporolides. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 839-854.	2.7	13
63	Synthesis of 5-Vinyl-2-isoxazolines by Palladium-Catalyzed Intramolecular <i>O</i>-Allylation of Ketoximes. <i>Organic Letters</i> , 2021, 23, 6227-6231.	4.6	13
64	A facile chemoselective deprotection of aryl silyl ethers using sodium hydride/DMF and in situ protection of phenol with various groups. <i>RSC Advances</i> , 2014, 4, 16438-16443.	3.6	12
65	A concise synthesis of (4R,5R)-(â [~])-muricatacin and (4R,5R)-l-(â [~])-factor from d-glucono-Î [~] -lactone. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 114-117.	1.8	12
66	Arundic Acid a Potential Neuroprotective Agent: Biological Development and Syntheses. <i>Current Medicinal Chemistry</i> , 2013, 20, 2315-2329.	2.4	12
67	First Synthesis of the Pyrano-Naphthoquinone Lactone (-)-Arizonin C1. <i>European Journal of Organic Chemistry</i> , 2011, 2011, n/a-n/a.	2.4	11
68	Protecting-Group-Free Total Synthesis of Chatenaytrienin-2. <i>Journal of Organic Chemistry</i> , 2019, 84, 12216-12220.	3.2	11
69	The Potential of Î ² -Hydroxyâ [~] -vinylâ [~] -Lactone in the Synthesis of Natural Products and Beyond. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 634-645.	2.4	11
70	Advances in catalytic and protecting-group-free total synthesis of natural products: a recent update. <i>Chemical Communications</i> , 2020, 56, 8569-8590.	4.1	11
71	A Synthesis of (â [~])â [~] -R<i></i> and (+)â [~] -S<i></i>â [~] -Lavandulol, (+)â [~] -Lavandulyl 2â [~] -Methylbutanoate, and (+)â [~] -Lavandulyl Senecioate through Orthoâ [~] -Claisen Rearrangement. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5165-5170.	2.4	10
72	Emergence of 2,3,5-trisubstituted tetrahydrofuran natural products and their synthesis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7002-7025.	2.8	10

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73	Total synthesis of (8 <i>S</i> ,11 <i>R</i> ,12 <i>R</i>)- and (8 <i>R</i> ,11 <i>R</i> ,12 <i>R</i>)-topsentolide B2 diastereomers and assignment of the absolute configuration. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1930-1935.	1.8	9
74	A Concise Stereoselective Synthesis of the Tetracyclic Naphthoquinone (â€“)â€“sagarin. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6624-6627.	2.4	9
75	A highly diastereoselective oxa-Pictet-Spengler approach to (+)-astropaquinone B and (+)-astropaquinone C and the formation of astropaquinone B dimer. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1281-1285.	1.8	9
76	Chiral Cups (Calixarenes) via DÃƒtz Benzannulation. <i>Synthesis</i> , 2014, 46, 1836-1846.	2.3	9
77	Evolution of Strategies in Paraconic Acids Synthesis. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1478-1501.	2.7	9
78	A stereoselective synthesis of the reported structure of polyporolide. <i>RSC Advances</i> , 2015, 5, 49189-49194.	3.6	8
79	Unimolecular tetrakis-piperidine-4-ol: an efficient ligand for copper and amine free Sonogashira coupling. <i>RSC Advances</i> , 2015, 5, 54037-54045.	3.6	8
80	A Catalytic Asymmetric Protecting-Group-Free Total Synthesis of (4 <i>i>S</i></i> ,5 <i>i>S</i></i>)-4,8-Dihydroxy-3,4-dihydrovernoniynes and Its Enantiomer. <i>Journal of Organic Chemistry</i> , 2019, 84, 14127-14132.	3.2	8
81	Tandem IBXâ€“Promoted Primary Alcohol Oxidation/Opening of Intermediate Î²,Î³â€“Diolcarbonate Aldehydes to (E)â€“Hydroxyâ€“,Î²â€“enals. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2278-2290.	3.3	8
82	Regioselective Disulfide-Catalyzed Photocatalytic Oxidative Cleavage of 1-Arylbutadienes to Cinnamaldehydes. <i>Organic Letters</i> , 2022, 24, 3435-3439.	4.6	8
83	Total synthesis of topsentolide B2. <i>Tetrahedron Letters</i> , 2011, 52, 1788-1790.	1.4	7
84	Control of Diastereoselectivity in Orthoester Johnsonâ€“Claisen Rearrangement of Tartrateâ€“Based Allyl Alcohol: An Efficient Synthesis of Arundic Acid, a Potential Therapeutic Agent for Alzheimer's Disease. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1047-1055.	2.4	7
85	Evolution of Strategies in Protectingâ€“Groupâ€“Free Synthesis of Natural Products: A Recent Update. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 711-740.	2.4	7
86	Lewis acid-catalyzed annulative partial dimerization of 3-aryloxyacrylates to 4-arylchroman-2-ones: synthesis of analogues of tolterodine, RORÎ³ inhibitors and a GPR40 agonist. <i>Chemical Communications</i> , 2019, 55, 2313-2316.	4.1	6
87	MnO ₂ as a terminal oxidant in Wacker oxidation of homoallyl alcohols and terminal olefins. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6115-6125.	2.8	6
88	Muricatacin, a Gateway Molecule to Higher Acetogenin Synthesis. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3660-3681.	3.3	6
89	Lateâ€“Stage Î²â€“Epimerization. A Stereodivergent to Stereoconvergent Relay to the First Total Synthesis of (+)â€“Murolic Acid. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 237-243.	2.4	5
90	A Stepâ€“Economic Synthesis of (S)â€“(â€“)â€“Juglomycin C and (S)â€“(â€“)â€“NHAB by DÃƒtz Benzannulation and Convergent Deprotections. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1534-1538.	2.7	5

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91	Menthane-Based Chloride-Bridged λ^3 -Bis(allyl)palladium Chloride Dimers: Catalytic Asymmetric Allylation of Imines. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2857-2863.	2.4	5
92	Concise Stereoselective Synthesis of λ^2 -Hydroxy- λ^3 -lactones: (4 <i>R</i> ,5 <i>R</i>)-4-Hydroxy- λ^3 -decalactone from the Japanese Orange Fly and Enantiomers of Arachnid Harvestmen Isolates. <i>Journal of Natural Products</i> , 2021, 84, 120-125.	3.0	5
93	Catalytic λ^1 -hydroxyalkynone rearrangement in the stereoselective total synthesis of centrolobine, engelheptanoxides A and C and analogues. <i>Tetrahedron</i> , 2021, 96, 132375.	1.9	5
94	Formal Synthesis of the Human Rhinovirus 3% C Protease Inhibitor (λ^1)-thysanone. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 560-566.	2.7	4
95	A Concise Synthesis of (λ^1)-Incrustoporin and its Analogues by Pd-catalyzed Suzuki-Miyaura Coupling from λ^3 -Vinyl- λ^3 -butyrolactone. <i>ChemistrySelect</i> , 2016, 1, 5137-5140.	1.5	4
96	Total synthesis of unique anti,anti-4-hydroxy-5-(1-hydroxyalkyl)- λ^3 -lactones, polyporolide and mupirocin H. <i>Tetrahedron Letters</i> , 2016, 57, 3694-3700.	1.4	4
97	Evolution of Total Syntheses of λ^2 -Hydroxy- λ^3 -Lactones: Cardiobutanolide and Hagen's Gland Lactones. <i>ChemistrySelect</i> , 2017, 2, 6503-6518.	1.5	4
98	A Concise Stereoselective Synthesis of Naturally Occurring λ^1 -Xylo λ^1 18 λ^1 -Guggultetrol and its C2- λ^1 -Epimer. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 532-536.	2.7	4
99	A Decade of Muricatacin Synthesis and Beyond. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6845-6858.	2.4	4
100	Fischer Carbene Pentannulation with Alkynes Having Adjacent Carbonate or Acyloxy Groups: Synthesis of 3-Substituted 1-Indanones. <i>Organic Letters</i> , 2020, 22, 3438-3443.	4.6	4
101	Palladium-catalyzed anti-Markovnikov oxidative acetalization of activated olefins with iron(λ^3) sulphate as the reoxidant. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 427-443.	2.8	4
102	Three decades of disparlure and analogue synthesis. <i>New Journal of Chemistry</i> , 2020, 44, 17616-17636.	2.8	3
103	Metal-free annulative hydrosulfonation of propiolate esters: synthesis of 4-sulfonates of coumarins and butenolides. <i>New Journal of Chemistry</i> , 2020, 44, 3970-3984.	2.8	3
104	Tandem Benzylic Oxidation/Dihydroxylation of λ^1 -Vinyl- and λ^1 -Alkenylbenzyl Alcohols. <i>Helvetica Chimica Acta</i> , 2015, 98, 92-107.	1.6	2
105	Short eight-steps total synthesis of racemic asteriscunolide C. <i>Synthetic Communications</i> , 2017, 47, 2103-2108.	2.1	2
106	A Lewis Acid-Catalyzed Phenolic Ether λ^1 to λ^1 Rearrangement: Synthesis of 4-Aryldihydrocoumarins. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1001-1009.	2.7	2
107	A Chiron Approach to the Stereoselective Total Synthesis of Phomonol and Phytotoxic Nonenolides. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6909-6914.	2.4	2
108	Stereoselective total synthesis of obolactones and 7 λ^2 ,8 λ^2 -dihydroobolactones. <i>New Journal of Chemistry</i> , 2021, 45, 18976-18982.	2.8	2

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109	A Concise Synthesis of the Key Tetrahydrofuran Moieties of Caruifolin A and EBCâ€³42. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6922-6928.	2.4	1
110	Synthetic modifications of bifunctional homoallylamines: Synthesis of 2-aryl piperidines, (<i>R</i>)-anatabine and (<i>R</i>)-anabasine. <i>Synthetic Communications</i> , 0, , 1-8.	2.1	0
111	Asymmetric Synthesis of Catechol Pyran Isolated from <i>Plectranthus sylvestris</i> by γ -Hydroxyalkynone Rearrangement. <i>ChemistrySelect</i> , 2020, 5, 13160-13162.	1.5	0
112	(η^3)-Pinene-based π -Allylpalladium Complex-Catalyzed Asymmetric Allylation of Bisimines. <i>ChemistrySelect</i> , 2020, 5, 8301-8304.	1.5	0
113	BX3-Mediated Intermolecular Formation of Functionalized 3-Halo-1H-indenes via Cascade Halo-Nazarov-Type Cyclization. <i>Synthesis</i> , 2020, 52, 2245-2258.	2.3	0
114	Allyl-Palladium Complexes in Organic Synthesis. , 2021, , .		0
115	C(sp)-C(sp ³)-Sonogashira Coupling Enabled Total Synthesis of Chatenaytrienins-1, -3 and -4 and Muridienins-1-4. <i>Synthesis</i> , 0, 0, .	2.3	0