

Rosana Alvarez

List of Publications by Year in descending order

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142
papers

5,215
citations

94433

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102487

66
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145
all docs

145
docs citations

145
times ranked

6298
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor-selective action of HDAC inhibitors involves TRAIL induction in acute myeloid leukemia cells. <i>Nature Medicine</i> , 2005, 11, 77-84.	30.7	567
2	Functions, Therapeutic Applications, and Synthesis of Retinoids and Carotenoids. <i>Chemical Reviews</i> , 2014, 114, 1-125.	47.7	277
3	Palladium-Catalyzed Intermolecular C(sp ³)–H Amidation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2225-2228.	13.8	236
4	Mechanism of the Gold(I)-Catalyzed Rautenstrauch Rearrangement: A Center-to-Helix-to-Center Chirality Transfer. <i>Journal of the American Chemical Society</i> , 2006, 128, 2434-2437.	13.7	183
5	C–C Reductive Elimination in Palladium Complexes, and the Role of Coupling Additives. A DFT Study Supported by Experiment. <i>Journal of the American Chemical Society</i> , 2009, 131, 3650-3657.	13.7	178
6	Structural basis for the high all-trans-retinaldehyde reductase activity of the tumor marker AKR1B10. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20764-20769.	7.1	172
7	Palladium-Catalyzed Sequential Oxidative Cyclization/Coupling of 2-Alkynylphenols and Alkenes: A Direct Entry into 3-Alkenylbenzofurans. <i>Organic Letters</i> , 2009, 11, 1083-1086.	4.6	112
8	A General Synthesis of Alkenyl-Substituted Benzofurans, Indoles, and Isoquinolones by Cascade Palladium-Catalyzed Heterocyclization/Oxidative Heck Coupling. <i>Chemistry - A European Journal</i> , 2010, 16, 12746-12753.	3.3	101
9	Theoretical Study of the Electrocyclic Ring Closure of Hydroxypentadienyl Cations. <i>Chemistry - A European Journal</i> , 2004, 10, 4324-4333.	3.3	95
10	Isomerization of all-trans-Retinol to cis-Retinols in Bovine Retinal Pigment Epithelial Cells: Dependence on the Specificity of Retinoid-Binding Proteins. <i>Biochemistry</i> , 2000, 39, 11370-11380.	2.5	91
11	On the Aromatic Character of Electrocyclic and Pseudopericyclic Reactions: Thermal Cyclization of (2Z)-Hexa-2,4,5-trienals and Their Schiff Bases. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 557-561.	13.8	84
12	Enantioselective synthesis of hexahydrofuro[3,2-c]quinolines through a multicatalytic and multicomponent process. A new aromatic sandwich model for BINOL-phosphoric acid catalyzed reactions. <i>Chemical Science</i> , 2014, 5, 996-1007.	7.4	82
13	Structure, function and modulation of retinoic acid receptor beta, a tumor suppressor. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1406-1415.	2.8	79
14	Computational Characterization of a Complete Palladium-Catalyzed Cross-Coupling Process: The Associative Transmetalation in the Stille Reaction. <i>Organic Letters</i> , 2006, 8, 35-38.	4.6	78
15	Synthesis and Biological Characterization of the Histone Deacetylase Inhibitor Largazole and C7-Modified Analogues. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4654-4667.	6.4	77
16	Inhibition of p38 Kinase and Anticancer Activities of Novel Chalcone Adamantyl Arotinoids. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5431-5440.	6.4	75
17	Macroscale Plasmonic Substrates for Highly Sensitive Surface-Enhanced Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6459-6463.	13.8	75
18	Enantioselective Conjugate Addition of Nitro Compounds to α,β -Unsaturated Ketones: An Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2011, 17, 5931-5938.	3.3	72

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19	Aldo-keto reductases from the AKR1B subfamily: Retinoid specificity and control of cellular retinoic acid levels. <i>Chemico-Biological Interactions</i> , 2009, 178, 171-177.	4.0	70
20	Retinoic acid and Wnt/ β -catenin have complementary roles in anterior/posterior patterning embryos of the basal chordate amphioxus. <i>Developmental Biology</i> , 2009, 332, 223-233.	2.0	70
21	Stille Coupling Involving Bulky Groups Feasible with Gold Cocatalyst. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2189-2193.	13.8	67
22	New polymer-supported catalysts derived from Cinchona alkaloids: Their use in the asymmetric Michael reaction. <i>Tetrahedron Letters</i> , 1999, 40, 7091-7094.	1.4	66
23	Strong Metallophilic Interactions in the Palladium Arylation by Gold Aryls. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4917-4920.	13.8	58
24	The Stille Reaction in the Synthesis of Carotenoid Butenolides: Synthesis of 6 ϵ -epi-Peridinin. <i>Organic Letters</i> , 2005, 7, 545-548.	4.6	57
25	Friedel-Crafts Alkylation of Indoles with <i>p</i> -Quinols: The Role of Hydrogen Bonding of Water for the Desymmetrization of the Cyclohexadienone System. <i>Organic Letters</i> , 2016, 18, 2224-2227.	4.6	54
26	Experimental and Theoretical Analysis of the Steric Tolerance of the Binding Site of Bacterioopsin with the Use of Side-Chain Methyl-Shifted Retinal Analogs. <i>Journal of the American Chemical Society</i> , 1995, 117, 8220-8231.	13.7	53
27	DFT-Based Insights into Pd-Zn Cooperative Effects in Oxidative Addition and Reductive Elimination Processes Relevant to Negishi Cross-Couplings. <i>Organometallics</i> , 2012, 31, 2053-2058.	2.3	53
28	Total Synthesis of Peridinin and Related C37-Norcarotenoid Butenolides. <i>Chemistry - A European Journal</i> , 2007, 13, 1273-1290.	3.3	52
29	Synthesis of Benzamides Related to Anacardic Acid and Their Histone Acetyltransferase (HAT) Inhibitory Activities. <i>ChemMedChem</i> , 2008, 3, 1435-1442.	3.2	52
30	Retinoid receptor subtype-selective modulators through synthetic modifications of RAR β agonists. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 4345-4359.	3.0	51
31	Synthesis of Symmetrical Carotenoids by a Two-Fold Stille Reaction. <i>Journal of Organic Chemistry</i> , 2002, 67, 5040-5043.	3.2	50
32	New synthetic approach to paullones and characterization of their SIRT1 inhibitory activity. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2101.	2.8	50
33	Associative Transmetalation in the Stille Cross-Coupling Reaction to Form Dienes: Theoretical Insights into the Open Pathway. <i>Organometallics</i> , 2008, 27, 3378-3389.	2.3	47
34	Increased adiposity in the retinol saturase knockout mouse. <i>FASEB Journal</i> , 2010, 24, 1261-1270.	0.5	45
35	Synthesis of Retinals Fluorinated at Odd-Numbered Side-Chain Positions and of the Corresponding Fluorobacteriorhodopsins. <i>Journal of Organic Chemistry</i> , 1997, 62, 310-319.	3.2	43
36	Suzuki cross-coupling of meso-dibromoporphyrins for the synthesis of functionalized A2B2 porphyrins. <i>Tetrahedron Letters</i> , 2001, 42, 7409-7412.	1.4	43

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37	Activation of Retinoic Acid Receptors by Dihydroretinoids. <i>Molecular Pharmacology</i> , 2009, 76, 1228-1237.	2.3	40
38	Regulation of Retinoid-Mediated Signaling Involved in Skin Homeostasis by RAR and RXR Agonists/Antagonists in Mouse Skin. <i>PLoS ONE</i> , 2013, 8, e62643.	2.5	39
39	The Negishi Catalysis: Full Study of the Complications in the Transmetalation Step and Consequences for the Coupling Products. <i>Organometallics</i> , 2016, 35, 3604-3611.	2.3	38
40	Stereospecificity of Retinol Saturase: Absolute Configuration, Synthesis, and Biological Evaluation of Dihydroretinoids. <i>Journal of the American Chemical Society</i> , 2008, 130, 1154-1155.	13.7	36
41	Stereoselective synthesis of polyenic alarm pheromones of cephalaspidean molluscs. <i>Tetrahedron</i> , 1998, 54, 6793-6810.	1.9	35
42	Production of hemicellulosic sugars from <i>Pinus pinaster</i> wood by sequential steps of aqueous extraction and acid hydrolysis. <i>Wood Science and Technology</i> , 2012, 46, 271-285.	3.2	35
43	Simple Diastereoselectivity of the BF ₃ ·OEt ₂ -Catalyzed Vinylogous Mukaiyama Aldol Reaction of 2-(Trimethylsiloxy)furans with Aldehydes. <i>Journal of Organic Chemistry</i> , 2005, 70, 3654-3659.	3.2	33
44	General Synthesis of Retinoids and Arotinoids via Palladium-Catalyzed Cross-Coupling of Boronic Acids with Electrophiles. <i>Synthesis</i> , 1995, 1995, 285-293.	2.3	31
45	The Woodward-Hoffmann-De Puy Rule Revisited. <i>Organic Letters</i> , 2004, 6, 905-908.	4.6	31
46	Growth Factor-Antagonized Retinoid Apoptosis Involves Permissive PPAR ³ /RXR Heterodimers to Activate the Intrinsic Death Pathway by NO. <i>Cancer Cell</i> , 2009, 16, 220-231.	16.8	31
47	Aldehyde keto reductases in retinoid metabolism: Search for substrate specificity and inhibitor selectivity. <i>Chemico-Biological Interactions</i> , 2013, 202, 186-194.	4.0	31
48	Exploiting the Multidentate Nature of Chiral Disulfonimides in a Multicomponent Reaction for the Asymmetric Synthesis of Pyrrolo[1,2-a]indoles: A Remarkable Case of Enantioinversion. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3428-3432.	13.8	31
49	Solvolytic Ring-Opening Reactions of Cyclopropyl Bromides. An Assessment of the Woodward-Hoffmann-DePuy Rule. <i>Journal of Organic Chemistry</i> , 2004, 69, 9002-9010.	3.2	30
50	Bimetallic Intermediates in the Formation of Nucleophilic Allenylzincs from Allenylpalladiums: A DFT Study. <i>Organometallics</i> , 2007, 26, 2799-2802.	2.3	29
51	Regio-, Peri-, and Torquoselectivity in Hydroxy Heptatrienyl Cation Electrocyclizations: The Iso/Homo-Nazarov Reaction. <i>Chemistry - A European Journal</i> , 2009, 15, 1944-1956.	3.3	29
52	Nol1 promotes striatal neurogenesis through the regulation of retinoic acid signaling. <i>Neural Development</i> , 2010, 5, 21.	2.4	28
53	Speciation of ZnMe ₂ , ZnMeCl, and ZnCl ₂ in Tetrahydrofuran (THF), and Its Influence on Mechanism Calculations of Catalytic Processes. <i>ACS Catalysis</i> , 2017, 7, 3575-3583.	11.2	28
54	The Stille Reaction in the Synthesis of the C37-Norcarotenoid Butenolide Pyrrhoxanthin. Scope and Limitations. <i>Journal of Organic Chemistry</i> , 2006, 71, 5914-5920.	3.2	26

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55	Palladium-Catalyzed Regioselective 5-exo-O-Cyclization/Oxidative Heck Cascades from Alkynylbenzamides and Electron-Deficient Alkenes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6263-6271.	2.4	26
56	Stereocontrolled synthesis of all-(E)- and (8Z)-anhydroretinol. <i>Tetrahedron Letters</i> , 1998, 39, 5659-5662.	1.4	24
57	The specificity of alcohol dehydrogenase with cis-retinoids. Activity with 11-cis-retinol and localization in retina. <i>FEBS Journal</i> , 2004, 271, 1660-1670.	0.2	24
58	C3 Halogen and C8 Substituents on Stilbene Arotinoids Modulate Retinoic Acid Receptor Subtype Function. <i>ChemMedChem</i> , 2009, 4, 1630-1640.	3.2	24
59	Total synthesis of (8R,6R)-peridin-5,8-furanoxide. <i>Chemical Communications</i> , 2013, 49, 5043.	4.1	23
60	Organometallic Nucleophiles and Pd: What Makes ZnMe ₂ Different? Is Au Like Zn?. <i>Organometallics</i> , 2015, 34, 3120-3128.	2.3	23
61	Stereocontrolled synthesis of retinoids functionalized at C-13 by Suzuki coupling reactions. <i>Tetrahedron</i> , 1999, 55, 13779-13790.	1.9	21
62	A general synthesis of alkylpyridines. <i>Tetrahedron</i> , 2001, 57, 3125-3130.	1.9	21
63	Stereoselective Stille Coupling of Enantiopure Haloallenes and Alkenylstannanes for the Synthesis of Allenyl Carotenoids. <i>Experimental and Computational Studies. Journal of Organic Chemistry</i> , 2008, 73, 6534-6541.	3.2	21
64	Synthesis of Tetrahydrodibenzofuran and Tetrahydrophenanthridinone Skeletons by Intramolecular Nucleopalladation/Oxidative Heck Cascades. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 99-106.	2.4	21
65	Palladium-Catalyzed 6-endo-Selective Oxycyclization Alkene Addition Cascades of ortho-Alkynylarylcarboxamides and α,β -Unsaturated Carbonyl Compounds. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6298-6305.	2.4	20
66	A conjunctive diiodoheptaene for the synthesis of C2-symmetric carotenoids. <i>Chemical Communications</i> , 2013, 49, 2694.	4.1	19
67	Total Synthesis and Structural Revision of (â€“) Protubonine A and (â€“) Protubonine B. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2557-2564.	2.4	19
68	11,12-Difluororhodopsin and Related Odd-Numbered Fluororhodopsins. The Use of F ₂ for Following a Cis \rightarrow trans Isomerization Process. <i>Journal of the American Chemical Society</i> , 1999, 121, 5803-5804.	13.7	18
69	New Anacardic Acid-Inspired Benzamides: Histone Lysine Acetyltransferase Activators. <i>ChemMedChem</i> , 2010, 5, 1530-1540.	3.2	18
70	Novel symmetrical ureas as modulators of protein arginine methyl transferases. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2056-2067.	3.0	18
71	Silicon particles as trojan horses for potential cancer therapy. <i>Journal of Nanobiotechnology</i> , 2014, 12, 35.	9.1	18
72	Phototransformation and proton pumping activity of the 14-fluoro bacteriorhodopsin derivatives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1371, 371-381.	2.6	17

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73	(9Z)- and (11Z)-8-Methylretinals for Artificial Visual Pigment Studies: Stereoselective Synthesis, Structure, and Binding Models. <i>Chemistry - A European Journal</i> , 2003, 9, 5821-5831.	3.3	17
74	Kinetics of human alcohol dehydrogenase with ring-oxidized retinoids: effect of Tween 80. <i>Archives of Biochemistry and Biophysics</i> , 2004, 430, 210-217.	3.0	17
75	Total Synthesis of Enantiopure Pyrroloxanthin: Alternative Methods for the Stereoselective Preparation of 4-alkylidenebutenolides. <i>Chemistry - A European Journal</i> , 2013, 19, 13065-13074.	3.3	17
76	Total Synthesis and Structural Revision of (+)-Cristatumin C. <i>Journal of Natural Products</i> , 2014, 77, 421-423.	3.0	17
77	Competing Thermal Electrocyclic Ring-Closure Reactions of (2 <i>Z</i>)-Hexa-2,4,5-trienals and Their Schiff Bases. Structural, Kinetic, and Computational Studies. <i>Journal of Organic Chemistry</i> , 2010, 75, 4453-4462.	3.2	16
78	Stereoselective [3+2] Carbocyclization of Indole-Derived Imines and Electron-Rich Alkenes: A Divergent Synthesis of Cyclopenta[b]indole or Tetrahydroquinoline Derivatives. <i>Chemistry - A European Journal</i> , 2015, 21, 16769-16774.	3.3	16
79	Enantioselective synthesis of all of the stereoisomers of (E)-13,14-dihydroxyretinol (DHR). <i>Tetrahedron: Asymmetry</i> , 2004, 15, 839-846.	1.8	14
80	Total synthesis of the proposed structures of the DNA methyl transferase inhibitors peyssonenyne, and structural revision of peyssonenyne B. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6979.	2.8	14
81	Synthetic approaches to DNMT inhibitor SGI-1027 and effects on the U937 leukemia cell line. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1631-1635.	2.2	14
82	Synthesis of haminol-A and haminol-B, polyenic alarm pheromones of Cephalaspidean molluscs. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 3065-3072.	1.8	13
83	RECENT ADVANCES IN THE SYNTHESIS OF RETINOIDS. <i>Organic Preparations and Procedures International</i> , 2003, 35, 239-306.	1.3	13
84	9-cis-Retinoic acid analogues with bulky hydrophobic rings: new RXR-selective agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 6117-6122.	2.2	13
85	Synthesis of ring-oxidized retinoids as substrates of mouse class I alcohol dehydrogenase (ADH1). <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 3368-3373.	2.8	13
86	Conrotatory Ring-Opening Reactions of Cyclopropyl Anions in Monocyclic and Tricyclic Systems. <i>Organic Letters</i> , 2004, 6, 901-904.	4.6	13
87	Measurement of proton release and uptake by analogs of bacteriorhodopsin. <i>Bioelectrochemistry</i> , 2000, 51, 27-33.	4.6	12
88	Racemization processes at a quaternary carbon center in the context of the asymmetric Michael reaction. <i>Tetrahedron Letters</i> , 2001, 42, 5021-5023.	1.4	12
89	Synthesis of N-Heteroaryl Retinals and their Artificial Bacteriorhodopsins. <i>ChemBioChem</i> , 2005, 6, 2078-2087.	2.6	12
90	Mechanistic subtleties in the cyclopentannulation of allenolate allyl carbamates: the origin of the center-to-center chirality transfer. <i>Chemical Communications</i> , 2005, , 4285.	4.1	12

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91	2-Alkylidenesulfol-3-enes by (Regio- and) Stereoselective Cheletropic Addition of SO ₂ to (Di)vinylallenes. <i>Organic Letters</i> , 2005, 7, 1565-1568.	4.6	12
92	The Role of the 11-cis-Retinal Ring Methyl Substituents in Visual Pigment Formation. <i>ChemBioChem</i> , 2006, 7, 1815-1825.	2.6	12
93	New retinoid chemotypes: 9-cis-Retinoic acid analogs with hydrophobic rings derived from terpenes as selective RAR agonists. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9719-9728.	3.0	12
94	Determination of the geometry of acetoxyendiynes and acetoxyenyynes by NMR heteronuclear ¹³ C- ¹ H scalar couplings and ¹³ C NMR chemical shifts. Structural assignment of the oxylipin natural products peyssonenyynes A and B. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 543-549.	1.9	12
95	Stereoselective Synthesis by Olefin Metathesis and Characterization of Î-Carotene (7,8,7â€²,8â€²-tetrahydro-Î²,Î²-carotene). <i>Journal of Natural Products</i> , 2012, 75, 975-979.	3.0	12
96	Total synthesis of naturally occurring (+)-psychotriasine and the related tetrahydro-Î²-carboline, dimeric tryptamines with NC connectivities. <i>Tetrahedron Letters</i> , 2017, 58, 210-212.	1.4	12
97	AN EXPEDIENT STEREOCONTROLLED SYNTHESIS OF 7-CIS-RETINOIDS. <i>Synthetic Communications</i> , 2001, 31, 2083-2087.	2.1	11
98	Epigenetic Multiple Modulators. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2749-2787.	2.1	11
99	A Practical Protocol for Three-Component, One-Pot, Stepwise Sonogashira-Heterocyclization-Heck Couplings. <i>Synthesis</i> , 2013, 45, 2009-2017.	2.3	11
100	Regioselective Palladium-Catalyzed Heterocyclizationâ€“Sonogashira Coupling Cascades from 2-Alkynylbenzamides and Terminal Alkynes: Experimental and DFT Studies. <i>Organometallics</i> , 2018, 37, 3813-3826.	2.3	11
101	Natural polyenic macrolactams and polycyclic derivatives generated by transannular pericyclic reactions: optimized biogenesis challenging chemical synthesis. <i>Natural Product Reports</i> , 2021, 38, 1136-1220.	10.3	11
102	14-Fluoro-Bacteriorhodopsin Gelatin Films for Dynamic Holography Recording. <i>Photochemistry and Photobiology</i> , 2005, 81, 920.	2.5	11
103	Optical and electrical properties of bacteriorhodopsin Langmuir-Blodgett films: II. D96N mutant and its 4-keto and 9-demethyl retinal analogs. <i>Bioelectrochemistry</i> , 1997, 44, 37-43.	1.0	10
104	Synthesis of enantiopure C3- and C4-hydroxyretinals and their enzymatic reduction by ADH8 from <i>Xenopus laevis</i> . <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 155-164.	2.8	10
105	Cycloisomerization of Activated (2E,4Z)-Heptatrienoate and Its Relevance to Crispatene (Bio)synthesis. A Case of Concerted and Stepwise Uncertainty. <i>Journal of Organic Chemistry</i> , 2006, 71, 4497-4501.	3.2	10
106	Complex Thermal Behavior of 11-cis-Retinal, the Ligand of the Visual Pigments. <i>Journal of Organic Chemistry</i> , 2009, 74, 1007-1013.	3.2	10
107	Stereocontrolled synthesis of (S)-9-cis-4-oxo-13,14-dihydroretinoic acid. <i>Tetrahedron</i> , 2012, 68, 1756-1761.	1.9	10
108	Indoleâ€“Indole Ullmann Crossâ€“Coupling for C_{Ar}-N Bond Formation: Total Synthesis of (â€“)â€“Aspergilazine A. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4948-4954.	2.4	10

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109	Structural Coupling of <i>cis</i> -7-Methylretinal and Amino Acids at the Ligand Binding Pocket of Rhodopsin. <i>Photochemistry and Photobiology</i> , 2009, 85, 485-493.	2.5	9
110	Adamantyl Arotinoids That Inhibit β Kinase and β Kinase. <i>ChemMedChem</i> , 2013, 8, 1184-1198.	3.2	9
111	Bidirectional Hiyama-Denmark Cross-Coupling Reactions of Bissilyldeca-1,3,5,7,9-pentaenes for the Synthesis of Symmetrical and Non-Symmetrical Carotenoids. <i>Chemistry - A European Journal</i> , 2019, 25, 14399-14407.	3.3	9
112	Stereocontrolled Synthesis of Polyenic Ketones from Marine Opisthobranchs. <i>Natural Product Research</i> , 1995, 6, 127-132.	0.4	8
113	Characterization of pericyclic steps in the mechanisms of Gold(I) catalyzed rearrangement of alkynes. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2013, 3, 211-225.	14.6	8
114	Chemical synthesis in competition with global genome mining and heterologous expression for the preparation of dimeric tryptophan-derived 2,5-dioxopiperazines. <i>Natural Product Reports</i> , 2022, 39, 1172-1225.	10.3	8
115	Synergistic Antitumoral Effect of Epigenetic Inhibitors and Gemcitabine in Pancreatic Cancer Cells. <i>Pharmaceuticals</i> , 2022, 15, 824.	3.8	8
116	Pseudopericyclic design drives antara-antara [1,5] methylene sigmatropic shifts from a stepwise to a concerted mechanism. <i>Journal of Computational Chemistry</i> , 2007, 28, 1411-1416.	3.3	7
117	Total Synthesis of Homo- and Heterodimeric Bispyrrolidinoindoline Dioxopiperazine Natural Products. <i>Journal of Natural Products</i> , 2021, 84, 1725-1737.	3.0	7
118	Survey of Synthetic Approaches to Natural (Peyssonenyne) and Unnatural Acetoxyenediynes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4762-4782.	2.4	6
119	Catalyst- and Solvent-Dependent Stereodivergence in the Intramolecular Et ₂ Zn/Pd ₀ -Promoted Carbonyl Propargylation: Mechanistic Implications. <i>Chemistry - A European Journal</i> , 2013, 19, 13893-13900.	3.3	6
120	Synthesis of labile all-trans-7,8,7 ² ,8 ² -bis-acetylenic carotenoids by bi-directional Horner-Wadsworth-Emmons condensation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3024-3031.	2.8	6
121	Synthesis of apocarotenoids by acyclic cross metathesis and characterization as substrates for human retinaldehyde dehydrogenases. <i>Tetrahedron</i> , 2018, 74, 2567-2574.	1.9	6
122	Multicomponent and multicatalytic asymmetric synthesis of furo[2,3- <i>b</i>]pyrrole derivatives: further insights into the mode of action of chiral phosphoric acid catalysts. <i>Chemical Science</i> , 2020, 11, 9181-9190.	7.4	6
123	Experimental and DFT Study of the [AuAr(AsPh ₃) ₃]-Catalyzed <i>cis/trans</i> Isomerization of [PdAr ₂ (AsPh ₃) ₃] ₂ (Ar = C ₆ F ₅ or Tj ETQq1 1.0784314 rgBT / Overlap Substitution. <i>Organometallics</i> , 2020, 39, 2295-2303.	2.3	6
124	Synthesis of Symmetrical and Nonsymmetrical Polyenes by Iterative and Bidirectional Palladium-Catalyzed Cross-Coupling Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, 13543-13567.	3.3	6
125	Vitamin A5/X, a New Food to Lipid Hormone Concept for a Nutritional Ligand to Control RXR-Mediated Signaling. <i>Nutrients</i> , 2021, 13, 925.	4.1	6
126	Bleaching Kinetics of Artificial Visual Pigments with Modifications near the Ring-Polyene Chain Connection. <i>Biochemistry</i> , 2002, 41, 2028-2035.	2.5	5

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127	On the regiochemical differences between Pd-catalyzed heterocyclization-allylation and arylation reactions of alkynylbenzamides: preparation of 4-allyl-isochromen-1-imines and computational study. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8594-8605.	2.8	5
128	A methyl group at C7 of 11-cis-retinal allows chromophore formation but affects rhodopsin activation. <i>Vision Research</i> , 2006, 46, 4472-4481.	1.4	4
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