Angel R De Lera

List of Publications by Year in Descending Order

223 papers	8,530 citations	48 h-index	83 g-index
229 ext. papers	9,250 ext. citations	6.2 avg, IF	5.84 L-index

#	Paper	IF	Citations
223	Total synthesis of nahuoic acid A a putative biogenetic intramolecular Diels-Alder (IMDA) reaction.. *Chemical Science*, **2021**, 12, 15157-15169	9.4	1
222	On the rearrangements of biologically-relevant vinyl allene oxides to -cyclopentenones, ketols, and Favorskii-type carboxylic acids. *Organic and Biomolecular Chemistry*, **2021**, 19, 9460-9469	3.9	1
221	Topical Vitamin D Receptor Antagonist/Partial-Agonist Treatment Induces Epidermal Hyperproliferation via RARSignaling Pathways. *Dermatology*, **2021**, 237, 197-203	4.4	1
220	Vitamin A5/X, a New Food to Lipid Hormone Concept for a Nutritional Ligand to Control RXR-Mediated Signaling. *Nutrients*, **2021**, 13,	6.7	1
219	Total Synthesis of Homo- and Heterodimeric Bispyrrolidinoindoline Dioxopiperazine Natural Products. *Journal of Natural Products*, **2021**, 84, 1725-1737	4.9	2
218	Palladium-Catalyzed Aminocyclization-Coupling Cascades: Preparation of Dehydrotryptophan Derivatives and Computational Study. *Journal of Organic Chemistry*, **2021**, 86, 8766-8785	4.2	1
217	Natural polyenic macrolactams and polycyclic derivatives generated by transannular pericyclic reactions: optimized biogenesis challenging chemical synthesis. *Natural Product Reports*, **2021**, 38, 1136-1220	15.1	4
216	Vitamin A5/X controls stress-adaptation and prevents depressive-like behaviors in a mouse model of chronic stress. *Neurobiology of Stress*, **2021**, 15, 100375	7.6	0
215	A New Family of Jumonji C Domain-Containing KDM Inhibitors Inspired by Natural Product Purpurogallin. *Frontiers in Chemistry*, **2020**, 8, 312	5	8
214	Synthesis of C11-to-C14 methyl-shifted all-trans-retinal analogues and their activities on human aldo-keto reductases. *Organic and Biomolecular Chemistry*, **2020**, 18, 4788-4801	3.9	1
213	Synthesis of Symmetrical and Nonsymmetrical Polyenes by Iterative and Bidirectional Palladium-Catalyzed Cross-Coupling Reactions. *Chemistry - A European Journal*, **2020**, 26, 13543-13567	4.8	2
212	Multicomponent and multicatalytic asymmetric synthesis of furo[2,3-]pyrrole derivatives: further insights into the mode of action of chiral phosphoric acid catalysts. *Chemical Science*, **2020**, 11, 9181-9190	9.4	5
211	Bidirectional Hiyama-Denmark Cross-Coupling Reactions of Bissilyldeca-1,3,5,7,9-pentaenes for the Synthesis of Symmetrical and Non-Symmetrical Carotenoids. *Chemistry - A European Journal*, **2019**, 25, 14399-14407	4.8	6
210	Apo-14-Carotenoic Acid Is a Novel Endogenous and Bioactive Apo-Carotenoid. *Nutrients*, **2019**, 11,	6.7	3
209	Deciphering the Origin of Enantioselectivity on the Cis-Cyclopropanation of Styrene with Enantiopure Di-chloro,Di-gold(I)-SEGPHOS Carbenoids Generated from Propargylic Esters. *Journal of Organic Chemistry*, **2019**, 84, 7664-7673	4.2	1
208	Alternative retinoid X receptor (RXR) ligands. *Molecular and Cellular Endocrinology*, **2019**, 491, 110436	4.4	42
207	A Computational Study of Model Parent Systems and Reported Aza-(Iso)Nazarov/Aza-(Iso)Piancatelli Electrocyclic Reactions. *European Journal of Organic Chemistry* , **2019**, 2019, 2539-2551	3.2	6

206	Improved synthesis of key fragments for the preparation of natural product incednine. *Tetrahedron* , **2019**, 75, 130604	2.4	2
205	Computational studies on the formation of aza-oxypentadienyl intermediates from alkylidene oxaziridines and keteneimine oxides and their conversion to 1,5-dihydropyrrolones. *International Journal of Quantum Chemistry*, **2019**, 119, e25796	2.1	0
204	Synthesis of apocarotenoids by acyclic cross metathesis and characterization as substrates for human retinaldehyde dehydrogenases. *Tetrahedron*, **2018**, 74, 2567-2574	2.4	6
203	Synthesis and Biological Evaluation of Tripartin, a Putative KDM4 Natural Product Inhibitor, and 1-Dichloromethylinden-1-ol Analogues. *ChemMedChem*, **2018**, 13, 1949-1956	3.7	8
202	9-Cis-13,14-dihydroretinoic acid, a new endogenous mammalian ligand of retinoid X receptor and the active ligand of a potential new vitamin A category: vitamin A5. *Nutrition Reviews*, **2018**, 76, 929-941	6.4	14
201	Rearrangement of vinyl allene oxide geometric isomers to cyclopentenones. Further computational insights with biologically relevant model systems. *Organic and Biomolecular Chemistry*, **2017**, 15, 2846-2855	3.9	11
200	Structural basis for the inhibition of AKR1B10 by the C3 brominated TTNPB derivative UVI2008. *Chemico-Biological Interactions*, **2017**, 276, 174-181	5	2
199	Synthesis of the octahydronaphthalene core of nahuoic acid A via a B(CF)-catalyzed intramolecular Diels-Alder (IMDA) reaction. *Organic and Biomolecular Chemistry*, **2017**, 15, 7430-7438	3.9	2
198	Indole–Indole Ullmann Cross-Coupling for C–N Bond Formation: Total Synthesis of (−)-Aspergilazine A. *European Journal of Organic Chemistry*, **2017**, 2017, 4948-4954	3.2	5
197	Reduced adiponectin expression after high-fat diet is associated with selective up-regulation of ALDH1A1 and further retinoic acid receptor signaling in adipose tissue. *FASEB Journal*, **2017**, 31, 203-211	0.9	25
196	An Endogenous Mammalian Retinoid X Receptor Ligand, At Last!. *ChemMedChem*, **2016**, 11, 1027-37	3.7	44
195	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. *Angewandte Chemie - International Edition*, **2016**, 55, 3428-32	16.4	23
194	Relationship Between All-trans-13,14-Dihydro Retinoic Acid and Pancreatic Adenocarcinoma. *Pancreas*, **2016**, 45, e29-31	2.6	3
193	Synthesis of labile all-trans-7,8,7',8'-bis-acetylenic carotenoids by bi-directional Horner-Wadsworth-Emmons condensation. *Organic and Biomolecular Chemistry*, **2015**, 13, 3024-31	3.9	5
192	Palladium Nanoparticle-Loaded Cellulose Paper: A Highly Efficient, Robust, and Recyclable Self-Assembled Composite Catalytic System. *Journal of Physical Chemistry Letters*, **2015**, 6, 230-8	6.4	74
191	Stereoselective [3+2] Carbocyclization of Indole-Derived Imines and Electron-Rich Alkenes: A Divergent Synthesis of Cyclopenta[b]indole or Tetrahydroquinoline Derivatives. *Chemistry - A European Journal*, **2015**, 21, 16769-74	4.8	14
190	Modulation of Retinoic Acid Receptor Subtypes by 5- and 8-Substituted (Naphthalen-2-yl)-based Arotinoids. *ChemMedChem*, **2015**, 10, 1378-91	3.7	2
189	9-cis-13,14-Dihydroretinoic Acid Is an Endogenous Retinoid Acting as RXR Ligand in Mice. *PLoS Genetics*, **2015**, 11, e1005213	6	78

188	Total Synthesis and Structural Revision of (−)-Protubonine A and (−)-Protubonine B. *European Journal of Organic Chemistry*, **2014**, 2014, 2557-2564	3.2	14
187	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. *Chemical Science*, **2014**, 5, 996-1007	9.4	73
186	Dual RXR Agonists and RAR Antagonists Based on the Stilbene Retinoid Scaffold. *ACS Medicinal Chemistry Letters*, **2014**, 5, 533-7	4.3	4
185	Functions, therapeutic applications, and synthesis of retinoids and carotenoids. *Chemical Reviews*, **2014**, 114, 1-125	68.1	240
184	A unifying mechanism for the rearrangement of vinyl allene oxide geometric isomers to cyclopentenones. *Organic and Biomolecular Chemistry*, **2014**, 12, 7694-701	3.9	8
183	Total synthesis and structural revision of (+)-cristatumin C. *Journal of Natural Products*, **2014**, 77, 421-3	4.9	10
182	Identification of a novel polyfluorinated compound as a lead to inhibit the human enzymes aldose reductase and AKR1B10: structure determination of both ternary complexes and implications for drug design. *Acta Crystallographica Section D: Biological Crystallography*, **2014**, 70, 889-903		25
181	Silicon particles as trojan horses for potential cancer therapy. *Journal of Nanobiotechnology*, **2014**, 12, 35	9.4	15
180	Roles of retinoic acid and Tbx1/10 in pharyngeal segmentation: amphioxus and the ancestral chordate condition. *EvoDevo*, **2014**, 5, 36	3.2	21
179	Inhibition of IB kinase-and IB kinase-by heterocyclic adamantyl arotinoids. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 1285-302	3.4	4
178	Characterization of pericyclic steps in the mechanisms of Gold(I) catalyzed rearrangement of alkynes. *Wiley Interdisciplinary Reviews: Computational Molecular Science*, **2013**, 3, 211-225	7.9	5
177	Synthetic approaches to DNMT inhibitor SGI-1027 and effects on the U937 leukemia cell line. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 1631-5	2.9	9
176	Total synthesis of enantiopure pyrrhoxanthin: alternative methods for the stereoselective preparation of 4-alkylidenebutenolides. *Chemistry - A European Journal*, **2013**, 19, 13065-74	4.8	15
175	Catalyst- and solvent-dependent stereodivergence in the intramolecular Et(2)Zn/Pd(0) -promoted carbonyl propargylation: mechanistic implications. *Chemistry - A European Journal*, **2013**, 19, 13893-900	4.8	4
174	Aldo-keto reductases in retinoid metabolism: search for substrate specificity and inhibitor selectivity. *Chemico-Biological Interactions*, **2013**, 202, 186-94	5	27
173	A conjunctive diiodoheptaene for the synthesis of C2-symmetric carotenoids. *Chemical Communications*, **2013**, 49, 2694-6	5.8	16
172	Palladium-Catalyzed Diorganozinc Conjugate Additions to Enones: Preparative and Computational Studies. *European Journal of Organic Chemistry*, **2013**, 2013, 2621-2626	3.2	4
171	Macroscale plasmonic substrates for highly sensitive surface-enhanced Raman scattering. *Angewandte Chemie - International Edition*, **2013**, 52, 6459-63	16.4	67

170	Total synthesis of (8R,6'R)-peridinin-5,8-furanoxide. *Chemical Communications*, **2013**, 49, 5043-5	5.8	18
169	Low-lying excited-states of 5-benzyluracil. *Physical Chemistry Chemical Physics*, **2013**, 15, 7161-73	3.6	11
168	Novel symmetrical ureas as modulators of protein arginine methyl transferases. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 2056-67	3.4	13
167	A Practical Protocol for Three-Component, One-Pot, Stepwise Sonogashira-Heterocyclization-Heck Couplings. *Synthesis*, **2013**, 45, 2009-2017	2.9	10
166	Regulation of retinoid-mediated signaling involved in skin homeostasis by RAR and RXR agonists/antagonists in mouse skin. *PLoS ONE*, **2013**, 8, e62643	3.7	32
165	Stereocontrolled synthesis of (S)-9-cis-4-oxo-13,14-dihydroretinoic acid. *Tetrahedron*, **2012**, 68, 1756-1764	2.4	9
164	Synthesis of Tetrahydrodibenzofuran and Tetrahydrophenanthridinone Skeletons by Intramolecular Nucleopalladation/Oxidative Heck Cascades. *European Journal of Organic Chemistry*, **2012**, 2012, 99-106	3.2	15
163	Palladium-catalyzed intermolecular C(sp3)-H amidation. *Angewandte Chemie - International Edition*, **2012**, 51, 2225-8	16.4	209
162	New synthetic approach to paullones and characterization of their SIRT1 inhibitory activity. *Organic and Biomolecular Chemistry*, **2012**, 10, 2101-12	3.9	36
161	First total synthesis of dioxepine bastadin 3. *Organic and Biomolecular Chemistry*, **2012**, 10, 6945-50	3.9	6
160	A DNA methyltransferase modulator inspired by peyssonenyne natural product structures. *ChemMedChem*, **2012**, 7, 2101-12	3.7	3
159	Advances in drug design with RXR modulators. *Expert Opinion on Drug Discovery*, **2012**, 7, 1003-16	6.2	20
158	Stereoselective synthesis by olefin metathesis and characterization of □-carotene (7,8,7',8'-tetrahydro-□-carotene). *Journal of Natural Products*, **2012**, 75, 975-9	4.9	11
157	Mechanistic and sterochemical insights on the Pt-catalyzed rearrangement of oxiranylpropargylic esters to cyclopentenones. *Journal of Organic Chemistry*, **2012**, 77, 8733-43	4.2	17
156	Indole-derived psammaplin A analogues as epigenetic modulators with multiple inhibitory activities. *Journal of Medicinal Chemistry*, **2012**, 55, 9467-91	8.3	43
155	Modulation of RXR function through ligand design. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2012**, 1821, 57-69	5	119
154	DFT-Based Insights into Pd□n Cooperative Effects in Oxidative Addition and Reductive Elimination Processes Relevant to Negishi Cross-Couplings. *Organometallics*, **2012**, 31, 2053-2058	3.8	45
153	A general LbL strategy for the growth of pNIPAM microgels on Au nanoparticles with arbitrary shapes. *Soft Matter*, **2012**, 8, 4165-4170	3.6	40

152	Survey of Synthetic Approaches to Natural (Peyssonenynes) and Unnatural Acetoxyenediynes. *European Journal of Organic Chemistry*, **2012**, 2012, 4762-4782	3.2	6
151	Strong metallophilic interactions in the palladium arylation by gold aryls. *Angewandte Chemie - International Edition*, **2012**, 51, 4917-20	16.4	54
150	Retinoid receptors and therapeutic applications of RAR/RXR modulators. *Current Topics in Medicinal Chemistry*, **2012**, 12, 505-27	3	72
149	Probing a polar cluster in the retinal binding pocket of bacteriorhodopsin by a chemical design approach. *PLoS ONE*, **2012**, 7, e42447	3.7	3
148	Retinoid x receptor gamma is implicated in docosahexaenoic acid modulation of despair behaviors and working memory in mice. *Biological Psychiatry*, **2011**, 69, 788-94	7.9	43
147	Retinoic acid receptor modulators: a perspective on recent advances and promises. *Expert Opinion on Therapeutic Patents*, **2011**, 21, 55-63	6.8	23
146	DFT-based mechanistic insights into noble metal-catalyzed rearrangement of propargylic derivatives: chirality transfer processes. *Topics in Current Chemistry*, **2011**, 302, 81-130		11
145	Epigenetic multiple modulators. *Current Topics in Medicinal Chemistry*, **2011**, 11, 2749-87	3	8
144	Computational Study of the Intramolecular Pericyclic Reactions of Aldazines and Some Pseudopericyclic Variants. *European Journal of Organic Chemistry*, **2011**, 2011, 2933-2939	3.2	13
143	Enantioselective conjugate addition of nitro compounds to α,β-unsaturated ketones: an experimental and computational study. *Chemistry - A European Journal*, **2011**, 17, 5931-8	4.8	64
142	Residual dipolar coupling enhanced NMR spectroscopy and chiroptics: a powerful combination for the complete elucidation of symmetrical small molecules. *Chemistry - A European Journal*, **2011**, 17, 11983-6	4.8	18
141	Total synthesis of the proposed structures of the DNA methyl transferase inhibitors peyssonenynes, and structural revision of peyssonenyne B. *Organic and Biomolecular Chemistry*, **2011**, 9, 6979-87	3.9	13
140	On the memory of chirality in gold(I)-catalyzed intramolecular carboalkoxylation of alkynes. *Journal of Organic Chemistry*, **2011**, 76, 3791-6	4.2	40
139	Epigenetic profiling of the antitumor natural product psammaplin A and its analogues. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 3637-49	3.4	45
138	Bond Ellipticity as a Measure of Electron Delocalization in Structure and Reactivity. *Current Organic Chemistry*, **2011**, 15, 3576-3593	1.7	51
137	Death receptor pathway activation and increase of ROS production by the triple epigenetic inhibitor UVI5008. *Molecular Cancer Therapeutics*, **2011**, 10, 2394-404	6.1	46
136	A unique secondary-structure switch controls constitutive gene repression by retinoic acid receptor. *Nature Structural and Molecular Biology*, **2010**, 17, 801-7	17.6	118
135	Increased adiposity in the retinol saturase-knockout mouse. *FASEB Journal*, **2010**, 24, 1261-70	0.9	35

134	Understanding abnormal retinoid signaling as a causative mechanism in congenital diaphragmatic hernia. *American Journal of Respiratory Cell and Molecular Biology*, **2010**, 42, 276-85	5.7	48
133	Inverse agonists and antagonists of retinoid receptors. *Methods in Enzymology*, **2010**, 485, 161-95	1.7	13
132	Synthesis and biological characterization of the histone deacetylase inhibitor largazole and C7-modified analogues. *Journal of Medicinal Chemistry*, **2010**, 53, 4654-67	8.3	71
131	A DFT Study of the Effect of the Ligands in the Reductive Elimination from Palladium Bis(allyl) Complexes *Organometallics*, **2010**, 29, 4983-4991	3.8	52
130	Competing thermal electrocyclic ring-closure reactions of (2Z)-hexa-2,4,5-trienals and their Schiff bases. Structural, kinetic, and computational studies. *Journal of Organic Chemistry*, **2010**, 75, 4453-62	4.2	15
129	Retinoic acid signaling targets Hox genes during the amphioxus gastrula stage: insights into early anterior-posterior patterning of the chordate body plan. *Developmental Biology*, **2010**, 338, 98-106	3.1	44
128	Concise total synthesis and structural revision of (+)-pestalazine B. *Organic and Biomolecular Chemistry*, **2010**, 8, 5179-86	3.9	43
127	New anacardic acid-inspired benzamides: histone lysine acetyltransferase activators. *ChemMedChem*, **2010**, 5, 1530-40	3.7	16
126	Synthesis of diverse indole-containing scaffolds by gold(I)-catalyzed tandem reactions of 3-propargylindoles initiated by 1,2-indole migrations: scope and computational studies. *Chemistry - A European Journal*, **2010**, 16, 9818-28	4.8	50
125	A general synthesis of alkenyl-substituted benzofurans, indoles, and isoquinolones by cascade palladium-catalyzed heterocyclization/oxidative Heck coupling. *Chemistry - A European Journal*, **2010**, 16, 12746-53	4.8	88
124	Determination of the geometry of acetoxyendiynes and acetoxyenynes by NMR heteronuclear (13)C-(1)H scalar couplings and (13)C NMR chemical shifts. Structural assignment of the oxylipin natural products peyssonenynes A and B. *Magnetic Resonance in Chemistry*, **2010**, 48, 543-9	2.1	11
123	Nolz1 promotes striatal neurogenesis through the regulation of retinoic acid signaling. *Neural Development*, **2010**, 5, 21	3.9	26
122	Activation of retinoic acid receptors by dihydroretinoids. *Molecular Pharmacology*, **2009**, 76, 1228-37	4.3	34
121	Aldo-keto reductases from the AKR1B subfamily: retinoid specificity and control of cellular retinoic acid levels. *Chemico-Biological Interactions*, **2009**, 178, 171-7	5	65
120	Growth factor-antagonized rexinoid apoptosis involves permissive PPARgamma/RXR heterodimers to activate the intrinsic death pathway by NO. *Cancer Cell*, **2009**, 16, 220-31	24.3	29
119	Regio-, peri-, and torquoselectivity in hydroxy heptatrienyl cation electrocyclizations: the iso/homo-Nazarov reaction. *Chemistry - A European Journal*, **2009**, 15, 1944-56	4.8	24
118	Stereocontrolled and versatile total synthesis of bispyrrolidinoindoline diketopiperazine alkaloids: structural revision of the fungal isolate (+)-asperdimin. *Chemistry - A European Journal*, **2009**, 15, 9928-37	4.8	54
117	Pyrazine arotinoids with inverse agonist activities on the retinoid and rexinoid receptors. *ChemBioChem*, **2009**, 10, 1252-9	3.8	12

116	Highly potent naphthofuran-based retinoic acid receptor agonists. *ChemMedChem*, **2009**, 4, 780-91	3.7	14
115	C3 halogen and c8'' substituents on stilbene arotinoids modulate retinoic Acid receptor subtype function. *ChemMedChem*, **2009**, 4, 1630-40	3.7	24
114	Retinoid receptor subtype-selective modulators through synthetic modifications of RARgamma agonists. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 4345-59	3.4	44
113	Torquoselectivity in the electrocyclic ring-opening of cyclopropyl anions. *Journal of Physical Organic Chemistry*, **2009**, 22, 378-385	2.1	8
112	Regulation of Hoxb4 induction after neurulation by somite signal and neural competence. *BMC Developmental Biology*, **2009**, 9, 17	3.1	4
111	Structural coupling of 11-cis-7-methyl-retinal and amino acids at the ligand binding pocket of rhodopsin. *Photochemistry and Photobiology*, **2009**, 85, 485-93	3.6	7
110	Total synthesis of the natural isoprenylcysteine carboxyl methyltransferase inhibitor spermatinamine. *Tetrahedron Letters*, **2009**, 50, 5028-5030	2	10
109	Isomer-specific effects of conjugated linoleic acid on gene expression in RAW 264.7. *Journal of Nutritional Biochemistry*, **2009**, 20, 848-59, 859.e1-5	6.3	24
108	Highly twisted adamantyl arotinoids: synthesis, antiproliferative effects and RXR transactivation profiles. *European Journal of Medicinal Chemistry*, **2009**, 44, 2434-46	6.8	10
107	Selective, potent PPARgamma agonists with cyclopentenone core structure. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 1883-6	2.9	8
106	Mechanism of the gold-catalyzed rearrangement of (3-acyloxyprop-1-ynyl)oxiranes: a dual role of the catalyst. *Journal of Organic Chemistry*, **2009**, 74, 2982-91	4.2	49
105	Complex thermal behavior of 11-cis-retinal, the ligand of the visual pigments. *Journal of Organic Chemistry*, **2009**, 74, 1007-13	4.2	10
104	Modulating retinoid X receptor with a series of (E)-3-[4-hydroxy-3-(3-alkoxy-5,5,8,8-tetramethyl-5,6,7,8-tetrahydronaphthalen-2-yl)phenyl]acrylic acids and their 4-alkoxy isomers. *Journal of Medicinal Chemistry*, **2009**, 52, 3150-8	8.3	36
103	Electrocyclic ring opening of charged cis-bicyclo[3.2.0]heptadiene and heterocyclic derivatives. The anti-Woodward-Hoffmann quest (II). *Journal of Organic Chemistry*, **2009**, 74, 2396-402	4.2	12
102	C-C reductive elimination in palladium complexes, and the role of coupling additives. A DFT study supported by experiment. *Journal of the American Chemical Society*, **2009**, 131, 3650-7	16.4	167
101	Expedient total syntheses of WIN 64745 and WIN 64821. *Organic Letters*, **2008**, 10, 3701-4	6.2	66
100	Stereoselective Stille coupling of enantiopure haloallenes and alkenylstannanes for the synthesis of allenyl carotenoids. Experimental and computational studies. *Journal of Organic Chemistry*, **2008**, 73, 6534-41	4.2	19
99	Inhibition of IkappaB kinase-beta and anticancer activities of novel chalcone adamantyl arotinoids. *Journal of Medicinal Chemistry*, **2008**, 51, 5431-40	8.3	62

98	Associative Transmetalation in the Stille Cross-Coupling Reaction to Form Dienes: Theoretical Insights into the Open Pathway. *Organometallics*, **2008**, 27, 3378-3389	3.8	44
97	Characterization of the switch in the mechanism of an intramolecular Diels-Alder reaction. *Journal of Organic Chemistry*, **2008**, 73, 467-73	4.2	13
96	Mechanistic insights into the stereocontrolled synthesis of hexahydropyrrolo[2,3-b]indoles by electrophilic activation of tryptophan derivatives. *Organic Letters*, **2008**, 10, 77-80	6.2	76
95	Stereospecificity of retinol saturase: absolute configuration, synthesis, and biological evaluation of dihydroretinoids. *Journal of the American Chemical Society*, **2008**, 130, 1154-5	16.4	32
94	Photochromic polymer films based on a 14-F bacteriorhodopsin derivative. *Journal of Biomaterials Science, Polymer Edition*, **2008**, 19, 1585-95	3.5	1
93	Nuclear receptor ligand-binding domains: reduction of helix H12 dynamics to favour crystallization. *Acta Crystallographica Section F: Structural Biology Communications*, **2008**, 64, 614-6		1
92	Synthesis of benzamides related to anacardic acid and their histone acetyltransferase (HAT) inhibitory activities. *ChemMedChem*, **2008**, 3, 1435-42	3.7	47
91	New retinoid chemotypes: 9-cis-retinoic acid analogs with hydrophobic rings derived from terpenes as selective RAR agonists. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 9719-28	3.4	11
90	Specificity of zebrafish retinol saturase: formation of all-trans-13,14-dihydroretinol and all-trans-7,8- dihydroretinol. *Biochemistry*, **2007**, 46, 1811-20	3.2	34
89	Sulfoxide-induced stereoselection in [1,5]-sigmatropic hydrogen shifts of vinylallenes. A computational study. *Journal of Organic Chemistry*, **2007**, 72, 2617-24	4.2	13
88	Bimetallic Intermediates in the Formation of Nucleophilic Allenylzincs from Allenylpalladiums:´A DFT Study. *Organometallics*, **2007**, 26, 2799-2802	3.8	27
87	Total synthesis of peridinin and related C37-norcarotenoid butenolides. *Chemistry - A European Journal*, **2007**, 13, 1273-90	4.8	50
86	Electrocyclic ring opening of cis-bicyclo[m.n.0]alkenes: the anti-Woodward-Hoffmann quest. *Chemistry - A European Journal*, **2007**, 13, 5009-17	4.8	18
85	Pseudopericyclic design drives antara-antara [1,5] methylene sigmatropic shifts from a stepwise to a concerted mechanism. *Journal of Computational Chemistry*, **2007**, 28, 1411-6	3.5	7
84	RAR and RXR modulation in cancer and metabolic disease. *Nature Reviews Drug Discovery*, **2007**, 6, 793-810	64.1	393
83	Design of selective nuclear receptor modulators: RAR and RXR as a case study. *Nature Reviews Drug Discovery*, **2007**, 6, 811-20	64.1	210
82	Deuterium exchange and mass spectrometry reveal the interaction differences of two synthetic modulators of RXRalpha LBD. *Protein Science*, **2007**, 16, 2491-501	6.3	16
81	Rapid, nongenomic actions of retinoic acid on phosphatidylinositol-3-kinase signaling pathway mediated by the retinoic acid receptor. *Molecular Endocrinology*, **2007**, 21, 2391-402		146

80	Modulators of the structural dynamics of the retinoid X receptor to reveal receptor function. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 17323-8	11.5	128
79	Structure, function and modulation of retinoic acid receptor beta, a tumor suppressor. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 1406-15	5.6	71
78	Feijoa sellowiana derived natural Flavone exerts anti-cancer action displaying HDAC inhibitory activities. *International Journal of Biochemistry and Cell Biology*, **2007**, 39, 1902-14	5.6	78
77	Bispyridinium dienes: histone deacetylase inhibitors with selective activities. *Journal of Medicinal Chemistry*, **2007**, 50, 2497-505	8.3	46
76	Structural basis for the high all-trans-retinaldehyde reductase activity of the tumor marker AKR1B10. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20764-9	11.5	143
75	A methyl group at C7 of 11-cis-retinal allows chromophore formation but affects rhodopsin activation. *Vision Research*, **2006**, 46, 4472-81	2.1	4
74	The role of the 11-cis-retinal ring methyl substituents in visual pigment formation. *ChemBioChem*, **2006**, 7, 1815-25	3.8	10
73	Computation of vertical excitation energies of retinal and analogs: scope and limitations. *Journal of Computational Chemistry*, **2006**, 27, 116-23	3.5	25
72	International Union of Pharmacology. LX. Retinoic acid receptors. *Pharmacological Reviews*, **2006**, 58, 712-25	22.5	340
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