

# Pedro Merino

## List of Publications by Year in descending order

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243  
papers

6,910  
citations

71102

41  
h-index

106344

65  
g-index

323  
all docs

323  
docs citations

323  
times ranked

4993  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acyl Group Migration in Pyranosides as Studied by Experimental and Computational Methods. Chemistry - A European Journal, 2022, 28, .	3.3	8
2	Absence of Intermediates in the BINOL-Derived Mg(II)/Phosphate-Catalyzed Desymmetrization Ring Expansion of 1-Vinylcyclobutanols. Journal of Organic Chemistry, 2022, 87, 693-707.	3.2	11
3	Enantio- and Diastereoselective Nucleophilic Addition of <i>N</i> -tert-Butylhydrazones to Isoquinolinium Ions through Anion-Binding Catalysis. Angewandte Chemie - International Edition, 2021, 60, 5096-5101.	13.8	37
4	Enantio- and Diastereoselective Nucleophilic Addition of <i>N</i> -tert-Butylhydrazones to Isoquinolinium Ions through Anion-Binding Catalysis. Angewandte Chemie, 2021, 133, 5156-5161.	2.0	11
5	Computational evidence of glycosyl cations. Organic and Biomolecular Chemistry, 2021, 19, 2350-2365.	2.8	14
6	Brønsted Acid Catalyzed (4 + 2) Cyclocondensation of 3-Substituted Indoles with Donor-Acceptor Cyclopropanes. Organic Letters, 2021, 23, 2326-2331.	4.6	17
7	The Pseudotransannular Ring Opening of $\alpha$ -Aminocycloheptane-derived Epoxides in the Synthesis of Tropane Alkaloids: Total Synthesis of ( $\pm$ )-Ferrugine. European Journal of Organic Chemistry, 2021, 2021, 2855-2861.	2.4	2
8	Piperidine Azasugars Bearing Lipophilic Chains: Stereoselective Synthesis and Biological Activity as Inhibitors of Glucocerebrosidase (GCase). Journal of Organic Chemistry, 2021, 86, 12745-12761.	3.2	11
9	$\beta$ -Keto hydrazones in asymmetric aminocatalysis: reactivity through $\beta$ -amino aza-dienamine intermediates. Organic Chemistry Frontiers, 2021, 8, 3446-3456.	4.5	4
10	Nonsmooth exact penalization second-order methods for incompressible bi-viscous fluids. Computational Optimization and Applications, 2021, 80, 979.	1.6	0
11	Asymmetric synthesis of dibenzo[ <i>b</i> , <i>d</i> ]azepines by Cu-catalyzed reductive or oxidative cyclization. Chemical Science, 2021, 12, 15291-15297.	7.4	11
12	Synthesis of pterocarpanes through palladium-catalyzed oxyarylation of alkoxy-2H-chromenes with <i>o</i> -iodophenols. Tetrahedron, 2020, 76, 131638.	1.9	3
13	Dissecting the Structural and Chemical Determinants of the "Open-to-Closed" Motion in the Mannosyltransferase PimA from Mycobacteria. Biochemistry, 2020, 59, 2934-2945.	2.5	5
14	Error estimates for the FEM approximation of optimal sparse control of elliptic equations with pointwise state constraints and finite-dimensional control space. Optimal Control Applications and Methods, 2020, 41, 1451-1476.	2.1	0
15	Dissecting the Essential Role of Anomeric $\beta$ -Triflates in Glycosylation Reactions. Journal of the American Chemical Society, 2020, 142, 12501-12514.	13.7	52
16	Enantioselective Synthesis of Tropanes: Brønsted Acid Catalyzed Pseudotransannular Desymmetrization. Angewandte Chemie - International Edition, 2020, 59, 6780-6784.	13.8	15
17	Enantioselective Synthesis of Tropanes: Brønsted Acid Catalyzed Pseudotransannular Desymmetrization. Angewandte Chemie, 2020, 132, 6846-6850.	2.0	5
18	Concerted Albeit Not Pericyclic Cycloadditions: Understanding the Mechanism of the (4+3) Cycloaddition between Nitrones and 1,2,3-Diazadienes. European Journal of Organic Chemistry, 2019, 2019, 391-400.	2.4	4

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19	Transient and intermediate carbocations in ruthenium tetroxide oxidation of saturated rings. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1552-1562.	2.2	4
20	Rearrangement Reactions in Aza-Vinyllogous Povarov Products: Metal-Free Synthesis of C <sup>3</sup> -Functionalized Quinolines and Studies on their Synthetic Application. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6452-6464.	2.4	4
21	Regioselective Synthesis of 1,4,5-Trisubstituted-1,2,3-Triazoles from Aryl Azides and Enaminones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5725-5731.	2.4	21
22	Asymmetric synthesis of polycyclic 3-fluoroalkylproline derivatives by intramolecular azomethine ylide cycloaddition. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2916-2923.	4.5	5
23	Asymmetric diastereodivergent Michael addition of 2-chloromalonate esters to conjugated imines enabled by catalyst metal change. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2907-2915.	4.5	6
24	Synthesis, Biological and In Silico Evaluation of Pure Nucleobase-Containing Spiro (Indane-Isoxazolidine) Derivatives as Potential Inhibitors of MDM2-p53 Interaction. <i>Molecules</i> , 2019, 24, 2909.	3.8	20
25	Experimental and Computational Studies on the 1,3-Dipolar Cycloaddition between Enantiomerically Pure 2,3-Dihydrothiazoles and Nitrones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4426-4435.	2.4	4
26	A difference-of-convex functions approach for sparse PDE optimal control problems with nonconvex costs. <i>Computational Optimization and Applications</i> , 2019, 74, 225-258.	1.6	2
27	Synergistic Catalysis: Highly Enantioselective Cascade Reaction for the Synthesis of Dihydroacridines. <i>Chemistry - A European Journal</i> , 2019, 25, 7623-7627.	3.3	10
28	1-Aminovinylphosphonate Esters as Substrates for the Diels-Alder Reaction: First Synthetic and Theoretical Study. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1268-1272.	2.4	3
29	Enantioselective Synthesis, DFT Calculations, and Preliminary Antineoplastic Activity of Dibenzo 1-Azasp[4.5]decane on Drug-Resistant Leukemias. <i>Journal of Organic Chemistry</i> , 2019, 84, 2219-2233.	3.2	17
30	Synthetic Approaches to Inhibitors of Isoprenoid Biosynthesis. , 2019, , 31-76.		0
31	UDP-GlcNAc Analogues as Inhibitors of <i>O</i> -GlcNAc Transferase (OGT): Spectroscopic, Computational, and Biological Studies. <i>Chemistry - A European Journal</i> , 2018, 24, 7264-7272.	3.3	8
32	Carboxylates as Nucleophiles in the Enantioselective Ring-Opening of Formylcyclopropanes under Iminium Ion Catalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 8764-8768.	3.3	19
33	Self-Regeneration of Chirality with <i>L</i> -Cysteine through 1,3-Dipolar Cycloadditions between Diazoalkanes and Enantiomerically Pure Thiazolines: Experimental and Computational Studies. <i>Journal of Organic Chemistry</i> , 2018, 83, 3960-3972.	3.2	10
34	Synergistic catalysis: enantioselective cyclopropanation of alkylidene benzoxazoles by Pd( <i>ii</i> ) and secondary amine catalysis. Scope, limitations and mechanistic insight. <i>Organic Chemistry Frontiers</i> , 2018, 5, 806-812.	4.5	18
35	(+)-Methyl (1 <i>R</i> ,2 <i>S</i> )-2-[4-(4-Chlorophenyl)-4-hydroxypiperidin-1-yl]methyl]-1-phenylcyclopropanecarboxylate [(+)-MR200] Derivatives as Potent and Selective Sigma Receptor Ligands: Stereochemistry and Pharmacological Properties. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 372-384.	6.4	15
36	Inhibitors against Fungal Cell Wall Remodeling Enzymes. <i>ChemMedChem</i> , 2018, 13, 128-132.	3.2	7

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37	Native Quercetin as a Chloride Receptor in an Organic Solvent. <i>Molecules</i> , 2018, 23, 3366.	3.8	1
38	Synthesis of Enantiopure Constrained $\beta,\beta'$ -Cycloaliphatic Cystines via Diels-Alder Reaction with Homochiral Thiazolines. <i>Journal of Organic Chemistry</i> , 2018, 83, 12471-12485.	3.2	4
39	Catalytic Enantioselective Cloke-Wilson Rearrangement. <i>Angewandte Chemie</i> , 2018, 130, 8357-8361.	2.0	36
40	Revealing carbocations in highly asynchronous concerted reactions: The ene-type reaction between dithiocarboxylic acids and alkenes. <i>Tetrahedron</i> , 2018, 74, 5627-5634.	1.9	13
41	Catalytic Enantioselective Cloke-Wilson Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8225-8229.	13.8	86
42	Sequential Metal-Free Thermal 1,3-Dipolar Cycloaddition of Unactivated Azomethine Ylides. <i>Organic Letters</i> , 2018, 20, 3522-3526.	4.6	15
43	Synthesis of 1,5-Functionalized 1,2,3-Triazoles Using Ionic Liquid/Iron(III) Chloride as an Efficient and Reusable Homogeneous Catalyst. <i>Catalysts</i> , 2018, 8, 364.	3.5	31
44	Direct Hydroxymethylation of C=N Double Bonds. <i>Letters in Organic Chemistry</i> , 2018, 15, 375-386.	0.5	0
45	A molecular electron density theory study of the [3 + 2] cycloaddition reaction of nitrones with ketenes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1618-1627.	2.8	33
46	Racemic hemiacetals as oxygen-centered pronucleophiles triggering cascade 1,4-addition/Michael reaction through dynamic kinetic resolution under iminium catalysis. Development and mechanistic insights. <i>Chemical Science</i> , 2017, 8, 2904-2913.	7.4	17
47	Regioselectivity Change in the Organocatalytic Enantioselective (3+2) Cycloaddition with Nitrones through Cooperative Hydrogen Bonding Catalysis/Iminium Activation. <i>Chemistry - A European Journal</i> , 2017, 23, 2764-2768.	3.3	17
48	Pivotal Neighboring-Group Participation in Substitution versus Elimination Reactions - Computational Evidence for Ion Pairs in the Thionation of Alcohols with Lawesson's Reagent. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1952-1960.	2.4	21
49	Exploratory spectroscopic and computational studies of the anion binding properties of methyl hyocholate in organic solvent. <i>Tetrahedron</i> , 2017, 73, 1698-1704.	1.9	1
50	Chemical approaches to inhibitors of isoprenoid biosynthesis: targeting farnesyl and geranylgeranyl pyrophosphate synthases. <i>RSC Advances</i> , 2017, 7, 10947-10967.	3.6	18
51	Introducing topology to assess the synchronicity of organic reactions. Dual reactivity of oximes with alkenes as a case study. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1541-1554.	4.5	22
52	One-Pot Synthesis of Functionalized Carbazoles via a CAN-Catalyzed Multicomponent Process Comprising a C-H Activation Step. <i>Journal of Organic Chemistry</i> , 2017, 82, 7492-7502.	3.2	23
53	Second-order orthant-based methods with enriched Hessian information for sparse $\ell_1$ -optimization. <i>Computational Optimization and Applications</i> , 2017, 67, 225-258.	1.6	4
54	New mechanistic interpretations for nitron reactivity. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3364-3375.	2.8	31

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55	The small molecule luteolin inhibits N-acetyl- $\beta$ -galactosaminyltransferases and reduces mucin-type O-glycosylation of amyloid precursor protein. <i>Journal of Biological Chemistry</i> , 2017, 292, 21304-21319.	3.4	38
56	Nitrones and nucleobase-containing spiro-isoxazolidines derived from isatin and indanone: solvent-free microwave-assisted stereoselective synthesis and theoretical calculations. <i>RSC Advances</i> , 2017, 7, 48980-48988.	3.6	24
57	A Case Study of Thiourea-Assisted Iminium Formation by Hydroxyl Anion Binding: Kinetic, Spectroscopic and Computational Evidences. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4122-4128.	4.3	15
58	Organocatalytic Enantioselective Synthesis of Trifluoromethyl-Containing Tetralin Derivatives by Sequential (Hetero)Michael Reaction-Intramolecular Nitrono Cycloaddition. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3752-3764.	4.3	10
59	BET & ELF Quantum Topological Analysis of Neutral 2-Aza-Cope Rearrangement of $\beta^3$ -Alkenyl Nitrones. <i>Molecules</i> , 2017, 22, 1371.	3.8	4
60	Azomethine Ylides from Nitrones: Using Catalytic <i>n</i> -BuLi for the Totally Stereoselective Synthesis of <i>trans</i> -2-Alkyl-3-oxazolines. <i>Chemistry - A European Journal</i> , 2016, 22, 11527-11532.	3.3	19
61	Glycomimetics Targeting Glycosyltransferases: Synthetic, Computational and Structural Studies of Less-Polar Conjugates. <i>Chemistry - A European Journal</i> , 2016, 22, 7215-7224.	3.3	19
62	Rational Design of Glycomimetic Compounds Targeting the <i>Saccharomyces cerevisiae</i> Transglycosylase Gas2. <i>Chemical Biology and Drug Design</i> , 2016, 87, 163-170.	3.2	2
63	Computational Mechanistic Study of Thionation of Carbonyl Compounds with Lawesson's Reagent. <i>Journal of Organic Chemistry</i> , 2016, 81, 7733-7740.	3.2	40
64	Azomethine Ylides from Nitrones: Using Catalytic <i>n</i> -BuLi for the Totally Stereoselective Synthesis of <i>trans</i> -2-Alkyl-3-oxazolines. <i>Chemistry - A European Journal</i> , 2016, 22, 11477-11477.	3.3	0
65	Nucleoside Diphosphate Sugar Analogues that Target Glycosyltransferases. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1413-1427.	2.7	5
66	Stereoselective Ethynylation and Propargylation of Chiral Cyclic Nitrones: Application to the Synthesis of Glycomimetics. <i>Synthesis</i> , 2016, 48, 3339-3351.	2.3	10
67	Synthesis of Amino-Nucleoside Conjugates. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1525-1534.	2.7	2
68	Mechanistic Insights into the Mode of Action of Bifunctional Pyrrolidine-Squaramide-Derived Organocatalysts. <i>Chemistry - A European Journal</i> , 2016, 22, 884-889.	3.3	19
69	Rapid, efficient and solvent free microwave mediated synthesis of aldo- and ketonitrones. <i>Arabian Journal of Chemistry</i> , 2016, 9, 25-31.	4.9	19
70	Recent Advances on Asymmetric Nitroso Aldol Reaction. <i>Synthesis</i> , 2016, 48, 653-676.	2.3	25
71	Revisiting oxime-nitrone tautomerism. Evidence of nitrone tautomer participation in oxime nucleophilic addition reactions. <i>RSC Advances</i> , 2016, 6, 22161-22173.	3.6	29
72	Revealing Stepwise Mechanisms in Dipolar Cycloaddition Reactions: Computational Study of the Reaction between Nitrones and Isocyanates. <i>Journal of Organic Chemistry</i> , 2016, 81, 673-680.	3.2	25

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73	Finite element error estimates for an optimal control problem governed by the Burgers equation. <i>Computational Optimization and Applications</i> , 2016, 63, 793-824.	1.6	1
74	Design and Synthesis of Dopaminergic Agonists. <i>Current Medicinal Chemistry</i> , 2016, 23, 2790-2825.	2.4	3
75	Recent Advances in the Preparation of Enantiomerically Pure Hydroxylamines from Nitrones. <i>Current Organic Synthesis</i> , 2016, 13, 669-686.	1.3	5
76	A Native Ternary Complex Trapped in a Crystal Reveals the Catalytic Mechanism of a Retaining Glycosyltransferase. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9898-9902.	13.8	35
77	Mechanism Switch in Mannich-Type Reactions: ELF and NCI Topological Analyses of the Reaction between Nitrones and Lithium Enolates. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4143-4152.	2.4	16
78	Efficient Organocatalyst Supported on a Simple Ionic Liquid as a Recoverable System for the Asymmetric Diels-Alder Reaction in the Presence of Water. <i>ChemCatChem</i> , 2015, 7, 830-835.	3.7	32
79	Understanding Bond Formation in Polar One-Step Reactions. Topological Analyses of the Reaction between Nitrones and Lithium Ynolates. <i>Journal of Organic Chemistry</i> , 2015, 80, 4076-4083.	3.2	32
80	An adaptive numerical method for semi-infinite elliptic control problems based on error estimates. <i>Optimization Methods and Software</i> , 2015, 30, 492-515.	2.4	4
81	Biosynthetic Pathways to Glycosidase Inhibitors. <i>Current Chemical Biology</i> , 2014, 8, 10-16.	0.5	2
82	A Friedel-Crafts alkylation mechanism using an aminoindanol-derived thiourea catalyst. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4503-4510.	2.8	28
83	Highly diastereoselective 1,3-dipolar cycloadditions of chiral non-racemic nitrones to 1,2-diaza-1,3-dienes: an experimental and computational investigation. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8888-8901.	2.8	14
84	DFT Investigation of the Mechanism of <i>E</i> / <i>Z</i> Isomerization of Nitrones. <i>Journal of Organic Chemistry</i> , 2014, 79, 8358-8365.	3.2	26
85	1.18 CN Addition to CO and CN Bonds. , 2014, , 697-750.		1
86	[2n <sup>2</sup> π + 2n <sup>2</sup> π] Cycloadditions: an alternative to forbidden [4π + 4π] processes. The case of nitrone dimerization. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 517-525.	2.8	11
87	Theoretical Elucidation of the Mechanism of the Cycloaddition between Nitrone Ylides and Electron-Deficient Alkenes. <i>Journal of Organic Chemistry</i> , 2014, 79, 2189-2202.	3.2	15
88	Recent Advances on the Enantioselective Synthesis of C-Nucleosides Inhibitors of Inosine Monophosphate Dehydrogenase (IMPDH). <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1212-1224.	2.1	8
89	Evasive Neutral 2-Aza-Cope Rearrangements. Kinetic and Computational Studies with Cyclic Nitrones. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5721-5730.	2.4	21
90	Synthesis of O- and C-glycosides derived from 1,2-(1,3)-d-glucans. <i>Carbohydrate Research</i> , 2013, 382, 9-18.	2.3	5

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91	Stereoselective 1,3-dipolar cycloadditions of nitrones derived from amino acids. Asymmetric synthesis of N-(alkoxycarbonylmethyl)-3-hydroxypyrrolidin-2-ones. <i>Tetrahedron</i> , 2013, 69, 9381-9390.	1.9	11
92	The High Selectivity of the Cp <sub>2</sub> ZrHCl Reducing Agent for Imides: A Combined Experimental and Theoretical Study on $\beta$ -Lactam and Isoxazolidinone Derivatives. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 95-104.	2.4	9
93	Recent Progress on Fucosyltransferase Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012, 12, 1455-1464.	2.4	12
94	CROSS-COUPLING REACTIONS FOR THE SYNTHESIS OF C-GLYCOSIDES AND RELATED COMPOUNDS. <i>Heterocycles</i> , 2012, 86, 791.	0.7	23
95	Recent Advances on the Synthesis of Piperidines through Ruthenium-Catalyzed Ring-Closing Metathesis (RCM) Reactions. <i>Heterocycles</i> , 2012, 84, 75.	0.7	34
96	Highly stereoselective synthesis of imino-C-di- and trisaccharides as hydrolytically stable glycomimetics. <i>Tetrahedron</i> , 2012, 68, 6674-6687.	1.9	8
97	Dual reactivity of O- $\beta$ -allenyl esters under palladium(0) catalysis: From carbopalladation/allylic alkylation domino sequence to decarboxylative allenylation. <i>Journal of Organometallic Chemistry</i> , 2012, 714, 53-59.	1.8	8
98	Truncated Reverse Isoxazolidinyl Nucleosides: A New Class of Allosteric HIV-1 Reverse Transcriptase Inhibitors. <i>ChemMedChem</i> , 2012, 7, 565-569.	3.2	27
99	Stereoselective Hydride Transfer by Aryl-Alcohol Oxidase, a Member of the GMC Superfamily. <i>ChemBioChem</i> , 2012, 13, 427-435.	2.6	48
100	On linear-quadratic elliptic control problems of semi-infinite type. <i>Applicable Analysis</i> , 2011, 90, 1047-1074.	1.3	13
101	Sequential Nucleophilic Addition/Intramolecular Cycloaddition to Chiral Nonracemic Cyclic Nitrones: A Highly Stereoselective Approach to Polyhydroxynortropane Alkaloids. <i>Journal of Organic Chemistry</i> , 2011, 76, 4139-4143.	3.2	45
102	Thiourea catalyzed organocatalytic enantioselective Michael addition of diphenyl phosphite to nitroalkenes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2777.	2.8	43
103	Structural Insights into the Mechanism of Protein O-Fucosylation. <i>PLoS ONE</i> , 2011, 6, e25365.	2.5	85
104	High-yield synthesis of pyrrolidinyl PNA monomers. <i>Tetrahedron Letters</i> , 2011, 52, 6003-6006.	1.4	5
105	Water-compatible one-pot organocatalytic asymmetric synthesis of cyclic nitrones. Application in intramolecular 1,3-dipolar cycloadditions. <i>Tetrahedron Letters</i> , 2011, 52, 5976-5979.	1.4	18
106	Nitronone Ylides: Two Possible 1,3-Dipolar Cycloadditions but Only One Stepwise Formation of all-cis-2,3,5-trisubstituted N-Hydroxypyrrolidines. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6567-6573.	2.4	15
107	Organocatalytic Activation of Imines and Related Compounds Through Hydrogen-Bond Interactions. <i>Current Organic Chemistry</i> , 2011, 15, 2184-2209.	1.6	8
108	Mannich-Type Reactions of Nitrones, Oximes, and Hydrazones. <i>Synlett</i> , 2011, 2011, 1965-1977.	1.8	31

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109	Organocatalyzed Michael Addition Reaction by Novel (2R,3aS,7aS)-Octa-hydroindole-2-carboxylic Acid, a New Fused Proline. <i>Synlett</i> , 2011, 2011, 249-253.	1.8	0
110	Chemical Synthesis of Heterocyclic Sugar Nucleoside Analogues. <i>Chemical Reviews</i> , 2010, 110, 3337-3370.	47.7	211
111	Tunable Diastereoselection of Biased Rigid Systems by Lewis Acid Induced Conformational Effects: A Rationalization of the Vinylation of Cyclic Nitrones En Route to Polyhydroxylated Pyrrolidines. <i>Chemistry - A European Journal</i> , 2010, 16, 9910-9919.	3.3	28
112	Expanding the Limits of Organoboron Chemistry: Synthesis of Functionalized Arylboronates. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7164-7165.	13.8	28
113	Synthesis of d-arabinose-derived polyhydroxylated pyrrolidine, indolizidine and pyrrolizidine alkaloids. Total synthesis of hyacinthacine A2. <i>Tetrahedron</i> , 2010, 66, 1220-1227.	1.9	72
114	Asymmetric organocatalytic synthesis of $\beta^3$ -nitrocarbonyl compounds through Michael and Domino reactions. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2561-2601.	1.8	151
115	Experimental and theoretical studies on Mannich-type reactions of chiral non-racemic N-(benzyloxyethyl) nitrones. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2934-2943.	1.8	13
116	Error estimates for the finite element approximation of a semilinear elliptic control problem with state constraints and finite dimensional control space. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2010, 44, 167-188.	1.9	21
117	Enantioselective Organocatalytic Diels-Alder Reactions. <i>Synthesis</i> , 2010, 2010, 1-26.	2.3	154
118	Synthesis of N-(Benzyloxyethyl)- and N-(Alkoxy-carbonylmethyl)nitrones. <i>Synthesis</i> , 2010, 2010, 678-688.	2.3	3
119	Error estimates for the finite element discretization of semi-infinite elliptic optimal control problems. <i>Discussiones Mathematicae: Differential Inclusions, Control and Optimization</i> , 2010, 30, 221.	0.4	6
120	The Role of the Indole in Important Organocatalytic Enantioselective Friedel-Crafts Alkylation Reactions. <i>Current Organic Chemistry</i> , 2009, 13, 1585-1609.	1.6	65
121	Recent Developments on Rotaxane-Based Shuttles. <i>Current Organic Chemistry</i> , 2009, 13, 448-481.	1.6	31
122	Chemistry and Biology of Iminosugar Di- and Oligosaccharides. <i>Current Chemical Biology</i> , 2009, 3, 253-271.	0.5	18
123	Catalytic Enantioselective Aza-Henry Reactions. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2401-2420.	2.4	186
124	Organocatalyzed Strecker reactions. <i>Tetrahedron</i> , 2009, 65, 1219-1234.	1.9	130
125	Intramolecular 1,3-dipolar cycloaddition of N-alkenyl nitrones en route to glycosyl piperidines. <i>Tetrahedron Letters</i> , 2009, 50, 7152-7155.	1.4	16
126	Stereoselective Synthesis and Biological Evaluations of Novel 3-Deoxy-4-azaribonucleosides as Inhibitors of Hepatitis C Virus RNA Replication. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4054-4057.	6.4	38



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127	Chemistry and Biology of Iminosugar Di- and Oligosaccharides. <i>Current Chemical Biology</i> , 2009, 3, 253-271.	0.5	14
128	Nucleophilic Additions to Cyclic Nitrones en Route to Iminocyclitols – Total Syntheses of DMDP, 6-Deoxy-DMDP, DAB, CYB, Nectrisine, and Radicamine B. <i>European Journal of Organic Chemistry</i> , 2008, 2.4, 2008, 2929-2947.		119
129	Exploring Nitrone Chemistry: Towards the Enantiodivergent Synthesis of 6-Substituted 4-Hydroxypipercolic Acid Derivatives. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3943-3959.	2.4	34
130	Catalytic Enantioselective Hydrophosphonylation of Aldehydes and Imines. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1195-1208.	4.3	241
131	Current Developments in the Synthesis and Biological Activity of Aza-C-Nucleosides: Immucillins and Related Compounds. <i>Current Medicinal Chemistry</i> , 2008, 15, 954-967.	2.4	31
132	Furan Oxidations in Organic Synthesis: Recent Advances and Applications. <i>Current Organic Chemistry</i> , 2007, 11, 1076-1091.	1.6	74
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