

Vincent Levacher

List of Publications by Year in descending order

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73
papers

1,823
citations

236925

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315739

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80
all docs

80
docs citations

80
times ranked

1923
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in cooperative ion pairing in asymmetric organocatalysis. <i>Chemical Society Reviews</i> , 2012, 41, 1696-1707.	38.1	185
2	Progress in Catalytic Asymmetric Protonation. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6103-6119.	2.4	90
3	Organocatalytic Enantioselective Protonation of Silyl Enolates Mediated by Cinchona Alkaloids and a Latent Source of HF. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7090-7093.	13.8	80
4	Donepezil-Based Central Acetylcholinesterase Inhibitors by Means of a α -Bio-Oxidizable Prodrug Strategy: Design, Synthesis, and in Vitro Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 5909-5926.	6.4	67
5	Novel Extension of Meyers' Methodology: α -Stereoselective Construction of Axially Chiral 7,5-Fused Bicyclic Lactams. <i>Journal of Organic Chemistry</i> , 2003, 68, 9517-9520.	3.2	56
6	Organocatalyzed Enantioselective Protonation of Silyl Enol Ethers: Scope, Limitations, and Application to the Preparation of Enantioenriched Homoisoflavones. <i>Journal of Organic Chemistry</i> , 2010, 75, 7704-7716.	3.2	51
7	Polymer-Bound Pyridine-Bis(oxazoline). Preparation through Click Chemistry and Evaluation in Asymmetric Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2079-2084.	4.3	48
8	Meldrum's Acid: A Useful Platform in Asymmetric Organocatalysis. <i>ChemCatChem</i> , 2016, 8, 1882-1890.	3.7	45
9	Enantioselective Phase-Transfer Catalyzed α -Sulfanylation of Isoxazolidin-5-ones: An Entry to β -Amino Acid Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 15261-15264.	3.3	43
10	Chiral Quaternary Ammonium Aryloxydine-Bis(trimethylsilyl)acetamide Combination as Efficient Organocatalytic System for the Direct Vinylogous Aldol Reaction of α -Furanone Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 841-846.	4.3	39
11	Deracemization of diarylmethanes via lateral lithiation-protonation sequences by means of sparteine. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2509-2516.	1.8	37
12	Highly stereoselective Friedel-Crafts type cyclization. Facile access to enantiopure 1,4-dihydro-4-phenyl isoquinolinones. <i>Tetrahedron</i> , 2003, 59, 8049-8056.	1.9	37
13	Organocatalysed multicomponent synthesis of pyrazolidinones: Meldrum's acid approach. <i>Chemical Communications</i> , 2014, 50, 10218.	4.1	35
14	An efficient synthesis of 3-cyanoquinoline derivatives. <i>Tetrahedron Letters</i> , 1998, 39, 4013-4016.	1.4	34
15	Diastereoselective Protonation of Lactam Enolates Derived from (R)-Phenylglycinol. A Novel Asymmetric Route to 4-Phenyl-1,2,3,4-tetrahydroisoquinolines. <i>Organic Letters</i> , 2000, 2, 2185-2187.	4.6	33
16	Catalytic Enantioselective Protonation of Enol Trifluoroacetates by Means of Hydrogenocarbonates and Cinchona Alkaloids. <i>Journal of Organic Chemistry</i> , 2011, 76, 6457-6463.	3.2	33
17	Asymmetric Organocatalytic Protonation of Silyl Enolates Catalyzed by Simple and Original Betaines Derived from Cinchona Alkaloids. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7693-7696.	2.4	33
18	Organocatalyzed Multicomponent Synthesis of Isoxazolidin-5-ones. <i>Organic Letters</i> , 2015, 17, 5408-5411.	4.6	31

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19	Developments in Meyers's™ Lactamization Methodology: En Route to Bi(hetero)aryl Structures with Defined Axial Chirality. <i>Journal of Organic Chemistry</i> , 2013, 78, 8191-8197.	3.2	30
20	Catalytic Enantioselective Syntheses of Isoxazolidin-5-ones. <i>Synthesis</i> , 2017, 49, 2117-2128.	2.3	29
21	Novel donepezil-like N-benzylpyridinium salt derivatives as AChE inhibitors and their corresponding dihydropyridine α -bio-oxidizable prodrugs: Synthesis, biological evaluation and structure-activity relationship. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 165-190.	5.5	29
22	Product-Catalyzed Addition of Alkyl Nitriles to Unactivated Imines Promoted by Sodium Aryloxide/Ethyl(trimethylsilyl)acetate (ETSA) Combination. <i>Journal of Organic Chemistry</i> , 2009, 74, 3516-3519.	3.2	28
23	Rational design of central selective acetylcholinesterase inhibitors by means of a α -bio-oxidisable prodrug strategy. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2612.	2.8	28
24	Brook/Elimination/Aldol Reaction Sequence for the Direct One-Pot Preparation of Difluorinated Aldols from (Trifluoromethyl)trimethylsilane and Acylsilanes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 526-531.	4.3	28
25	An Overview of the Synthesis of Highly Versatile N-Hydroxysuccinimide Esters. <i>Synthesis</i> , 2017, 49, 472-483.	2.3	26
26	Organocatalytic Enantioselective Protonation of Silyl Enolates Mediated by Cinchona Alkaloids and a Latent Source of HF. <i>Angewandte Chemie</i> , 2007, 119, 7220-7223.	2.0	25
27	Synthesis, radiosynthesis and biological evaluation of 1,4-dihydroquinoline derivatives as new carriers for specific brain delivery. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3666.	2.8	25
28	Organocatalyzed Synthesis of Isoxazolidin-5-ones: The Meldrum's Acid Approach. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2513-2517.	4.3	25
29	Palladium-Catalyzed Carbonylation of (Hetero)Aryl, Alkenyl and Allyl Halides by Means of N-Hydroxysuccinimidyl Formate as CO Surrogate. <i>Journal of Organic Chemistry</i> , 2015, 80, 6537-6544.	3.2	25
30	Dihydroquinoline Carbamate Derivatives as α -Bio-oxidizable Prodrugs for Brain Delivery of Acetylcholinesterase Inhibitors: [¹¹ C] Radiosynthesis and Biological Evaluation. <i>ACS Chemical Neuroscience</i> , 2015, 6, 737-744.	3.5	25
31	Preparation of axially chiral quinolinium salts related to NAD ⁺ models: new investigations of these biomimetic models as α -chiral amide-transferring agents™. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3919-3928.	1.8	24
32	Amine Capture Strategy for Peptide Bond Formation by Means of Quinolinium Thioester Salts. <i>Journal of the American Chemical Society</i> , 2005, 127, 15668-15669.	13.7	24
33	Deracemization of α -Substituted Carbonyl Compounds via Catalytic Enantioselective Protonation of their Corresponding Enolates. <i>Current Organic Chemistry</i> , 2012, 16, 2192-2205.	1.6	24
34	Stable annelated chiral NADH models with a rigidified amide part in the quinoline series: synthesis, reactivity and grafting on a Merrifield resin. <i>Tetrahedron</i> , 2001, 57, 3087-3098.	1.9	23
35	Meyers's™ bicyclic lactam formation under mild and highly stereoselective conditions. <i>Tetrahedron Letters</i> , 2005, 46, 8385-8389.	1.4	23
36	New development of Meyers's™ methodology: stereoselective preparation of an axially chiral 5,7-fused bicyclic lactam related to circumdatins/benzomalvins and asperlicins. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 281-286.	1.8	23

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37	Chemical Delivery System of Metaiodobenzylguanidine (MIBG) to the Central Nervous System. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 1281-1287.	6.4	20
38	Chiral NADH Models Derived from Optically Active Amino Alcohols. <i>Heterocycles</i> , 1994, 39, 405.	0.7	20
39	Metal or ammonium alginates as Lewis base catalysts for the 1,2-addition of silyl nucleophiles to carbonyl compounds. <i>Tetrahedron Letters</i> , 2012, 53, 1958-1960.	1.4	17
40	Enantioselective desymmetrization of prochiral ketones via an organocatalytic deprotonation process. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 764-768.	1.8	17
41	Chiral Ammonium Aryloxides: Efficient Multipurpose Basic Organocatalysts. <i>ChemCatChem</i> , 2016, 8, 74-85.	3.7	16
42	New Developments in Chiral Cooperative Ion Pairing Organocatalysis by Means of Ammonium Oxyanions and Fluorides: From Protonation to Deprotonation Reactions.. <i>Chemical Record</i> , 2017, 17, 429-440.	5.8	16
43	Influence of the C(4)-C(3)-C...O dihedral angle of chiral NADH mimics on the stereoselectivity of reductions. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 227-232.	1.8	15
44	Convenient preparation of bifunctional pybox ligands. <i>Tetrahedron</i> , 2008, 64, 10244-10249.	1.9	15
45	New advances in stereoselective Meyers's™ lactamization. Application to the diastereoselective synthesis of β^2 -substituted oxazoloazepinones. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2396-2401.	1.8	15
46	NADH Models in the Pyrrolo[3,4-b]pyridine Series. Role of the Cyclized Structure in the Stereocontrol of Reductions. <i>Chemistry Letters</i> , 1995, 24, 327-328.	1.3	14
47	Efficient C-3 functionalization of 4-dimethylaminopyridine (DMAP). A straightforward access to new chiral nucleophilic catalysts. <i>Tetrahedron Letters</i> , 2012, 53, 3284-3287.	1.4	14
48	Chiral NADH models with restricted or blocked rotation at the amide function: attempts to interpret the mechanism of the enantioselective hydrogen transfer to methyl benzoylformate. <i>Tetrahedron</i> , 2001, 57, 9101-9108.	1.9	13
49	Chiral NADH Models in the Pyrido[3,2-c]azepin Series. Conformational Effect of the Carbonyl Group in the Stereocontrol of Reductions. <i>Chemistry Letters</i> , 1996, 25, 359-360.	1.3	12
50	Design of new axially chiral NADH mimics. Mechanistic investigation of the enantioselective hydride transfer. <i>Tetrahedron Letters</i> , 2001, 42, 4613-4616.	1.4	12
51	Atropisomeric quinolinium salt promoting the access to both enantiomeric forms of methyl mandelate: a versatile NADH mimic Electronic supplementary information (ESI) available: experimental. See http://www.rsc.org/suppdata/cc/b2/b207434f/ . <i>Chemical Communications</i> , 2002, , 2256-2257.	4.1	12
52	Enantioselective Catalytic Transformations of Barbituric Acid Derivatives. <i>Catalysts</i> , 2019, 9, 131.	3.5	12
53	Solid phase synthesis of a redox delivery system with the aim of targeting peptides into the brain. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 817.	2.8	11
54	New developments in redox chemical delivery systems by means of 1,4-dihydroquinoline-based targetor: Application to galantamine delivery to the brain. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 218-226.	5.5	11

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55	Rational design of novel axially chiral NADH models based on configurational control of atropisomeric lactams. <i>Tetrahedron Letters</i> , 2001, 42, 3713-3716.	1.4	10
56	A Unique (3+2) Annulation Reaction between Meldrum's Acid and Nitrones: Mechanistic Insight by ESI-MS and DFT Studies. <i>Chemistry - A European Journal</i> , 2018, 24, 4086-4093.	3.3	10
57	Rational design of carbamate-based dual binding site and central AChE inhibitors by a biooxidizable prodrug approach: Synthesis, in vitro evaluation and docking studies. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 171-182.	5.5	10
58	Access to Highly Enantioenriched Donepezil-like 1,4-Dihydropyridines as Promising Anti-Alzheimer Prodrug Candidates via Enantioselective Tsuji Allylation and Organocatalytic Aza-Ene-Type Domino Reactions. <i>Journal of Organic Chemistry</i> , 2018, 83, 10231-10240.	3.2	9
59	Organocatalytic Multicomponent Synthesis of α,β -Dipeptide Derivatives. <i>Chemistry - A European Journal</i> , 2020, 26, 8541-8545.	3.3	9
60	Organocatalyzed Enantioselective Protonation. , 2011, , 67-106.		9
61	Organocatalytic Enantioselective Decarboxylative Protonation Reaction of Meldrum's Acid Derivatives under PTC Conditions. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1975-1983.	2.4	8
62	Chemical Delivery System of MIBG to the Central Nervous System: Synthesis, ¹¹ C-Radiosynthesis, and in Vivo Evaluation. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 352-357.	2.8	8
63	Delivering FLT to the Central Nervous System by Means of a Promising Targeting System: Synthesis, [¹¹ C]Radiosynthesis, and in Vivo Evaluation. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2457-2467.	3.5	7
64	Dihydroquinoline Carbamate DQS1-02 as a Prodrug of a Potent Acetylcholinesterase Inhibitor for Alzheimer's Disease Therapy: Multigram-Scale Synthesis, Mechanism Investigations, in Vitro Safety Pharmacology, and Preliminary in Vivo Toxicology Profile. <i>ACS Omega</i> , 2018, 3, 18387-18397.	3.5	7
65	Design, Synthesis, and In Vitro Biological Activities of a Bio-Oxidizable Prodrug to Deliver Both ChEs and DYRK1A Inhibitors for AD Therapy. <i>Molecules</i> , 2019, 24, 1264.	3.8	6
66	Organocatalysis: A Tool of Choice for the Enantioselective Nucleophilic Dearomatization of Electron-Deficient Six-Membered Ring Azaarenium Salts. <i>Catalysts</i> , 2021, 11, 1249.	3.5	6
67	A Meldrum's Acid Based Multicomponent Synthesis of N-Fmoc-isoxazolidinones: Entry to N-Fmoc-amino Acids. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3265-3273.	2.4	5
68	Chiral Ammonium Aryloxides as Brønsted Base Catalysts for the Henry Reaction of Nitroalkanes to Aromatic and Aliphatic Aldehydes. <i>ChemistrySelect</i> , 2016, 1, 3184-3188.	1.5	4
69	Chiral Quaternary Ammonium Salts in Organocatalysis. , 2017, , 87-173.		4
70	Base-Assisted Intramolecular C-N Coupling Reaction from NH ₂ -Bound Cyclopalladated α -Phenylalanine to Indoline-2-carboxylic Acid. <i>Organometallics</i> , 2020, 39, 767-773.	2.3	3
71	Multicomponent Catalytic Enantioselective Synthesis of Isoxazolidinones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4447-4451.	4.3	3
72	The Catalytic Regio- and Stereoselective Synthesis of 1,6-Diazabicyclo[4.3.0]nonane-2,7-diones. <i>Journal of Organic Chemistry</i> , 2021, 86, 8600-8609.	3.2	2

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73	Highly Stereoselective Friedelâ€”Crafts Type Cyclization. Facile Access to Enantiopure 1,4-Dihydro-4-phenyl Isoquinolinones.. ChemInform, 2004, 35, no.	0.0	0