

Tomas Martin

List of Publications by Year in descending order

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76
papers

2,429
citations

159525

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223716

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93
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93
docs citations

93
times ranked

2261
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Spaces: Dissymmetric Capsules Through Self-Assembly. <i>Science</i> , 1998, 279, 1021-1023.	6.0	204
2	Ascorbic Acid as an Initiator for the Direct C-H Arylation of (Hetero)arenes with Anilines Nitrosated In Situ. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2181-2185.	7.2	139
3	Chiral Guests and Their Ghosts in Reversibly Assembled Hosts. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2130-2132.	7.2	97
4	Chiral Softballs: Synthesis and Molecular Recognition Properties. <i>Journal of the American Chemical Society</i> , 2001, 123, 5213-5220.	6.6	94
5	Enantiospecific synthesis of α -amino acid semialdehydes: a key step for the synthesis of unnatural unsaturated and saturated α -amino acids. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 3381-3394.	1.8	88
6	A General Approach to the Asymmetric Synthesis of Unsaturated Lipidic α -Amino Acids. The First Synthesis of α -Aminoarachidonic Acid. <i>Journal of Organic Chemistry</i> , 1998, 63, 3741-3744.	1.7	81
7	Characterization of Self-Assembling Encapsulation Complexes in the Gas Phase and Solution. <i>Journal of the American Chemical Society</i> , 1999, 121, 2133-2138.	6.6	72
8	Chiral Microenvironments in Self-Assembled Capsules. <i>Journal of the American Chemical Society</i> , 1999, 121, 10281-10285.	6.6	66
9	Quantification of a CH \cdots F Interaction Responsible for Chiral Discrimination and Evaluation of Its Contribution to Enantioselectivity. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7803-7808.	7.2	62
10	β -Hydroxy- γ -lactones as Chiral Building Blocks for the Enantioselective Synthesis of Marine Natural Products. <i>Journal of Organic Chemistry</i> , 2001, 66, 1420-1428.	1.7	58
11	Guest exchange in an encapsulation complex: A supramolecular substitution reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8344-8347.	3.3	54
12	Stereoselective Synthesis of Eight-Membered Cyclic Ethers by Tandem Nicholas Reaction/Ring-Closing Metathesis: A Short Synthesis of (+)-cis-Lauthisan. <i>Organic Letters</i> , 2006, 8, 871-873.	2.4	53
13	Oxidation with air by ascorbate-driven quinone redox cycling. <i>Chemical Communications</i> , 2015, 51, 7027-7030.	2.2	50
14	Structural Examination of Supramolecular Architectures by Electrospray Ionization Mass Spectrometry. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1325-1331.	1.2	48
15	Emergent Conformational Preferences of a Self-Assembling Small Molecule: Structure and Dynamics in a Tetrameric Capsule. <i>Journal of the American Chemical Society</i> , 2000, 122, 10991-10996.	6.6	47
16	Structural Rules Governing Self-Assembly Emerge from New Molecular Capsules. <i>Journal of the American Chemical Society</i> , 1998, 120, 819-820.	6.6	46
17	Efficient Stereoselective Synthesis of the Enantiomers of Highly Substituted Paraconic Acids. <i>Journal of Organic Chemistry</i> , 1996, 61, 6450-6453.	1.7	43
18	Biomimetic-Type Synthesis of Halogenated Tetrahydrofurans from Laurencia. Total Synthesis of trans-(+)-Deacetylkumausyne. <i>Journal of Organic Chemistry</i> , 1997, 62, 1570-1571.	1.7	42

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19	Molecular Assembly and Encapsulation Directed by Hydrogen-Bonding Preferences and the Filling of Space. , 1998, 281, 1842-1845.		42
20	Stereoselective Synthesis of Cyclic Ethers by Intramolecular Trapping of Dicobalt Hexacarbonyl-Stabilized Propargylic Cations. Journal of Organic Chemistry, 2003, 68, 3216-3224.	1.7	39
21	A Convenient and Chemoselective One-Pot Oxidation/Wittig Reaction for the C2-Homologation of Carbohydrate-Derived Glycols. Journal of Organic Chemistry, 2005, 70, 10099-10101.	1.7	38
22	Insect Growth Regulatory Effects of Linear Diterpenoids and Derivatives from <i>Baccharis thymifolia</i> . Journal of Natural Products, 2008, 71, 190-194.	1.5	38
23	The Construction of Open Gd ^{III} Metal-Organic Frameworks Based on Methanetricetic Acid: New Objects with an Old Ligand. Chemistry - A European Journal, 2010, 16, 4037-4047.	1.7	37
24	An Approach to <i>Lauroxanes</i> by Iterative Use of Co ₂ (CO) ₆ -Acetylenic Complexes. A Formal Synthesis of (+)-Laurencin. Journal of Organic Chemistry, 2010, 75, 6660-6672.	1.7	37
25	Epoxide Opening Cascades Triggered by a Nicholas Reaction: Total Synthesis of Teurilene. Angewandte Chemie - International Edition, 2013, 52, 3659-3662.	7.2	36
26	The <i>tert</i> -butyl dimethyl silyl group as an enhancer of drug cytotoxicity against human tumor cells. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3536-3539.	1.0	35
27	Montmorillonite K-10 as a mild acid for the Nicholas reaction. Tetrahedron Letters, 2005, 46, 2829-2832.	0.7	34
28	Molecular Simplification in Bioactive Molecules: Formal Synthesis of (+)-Muconin. Journal of Organic Chemistry, 2006, 71, 2339-2345.	1.7	34
29	Stereoselective Synthesis of Highly Substituted γ -Lactones and Butenolides by Intramolecular Michael Addition of Enantiomerically Enriched γ -[(Phenylthio)acyl]oxy α,β -Unsaturated Esters. Journal of Organic Chemistry, 1994, 59, 4461-4472.	1.7	31
30	Stereoselective Intramolecular Nicholas Reaction Using Epoxides as Nucleophiles. Organic Letters, 2004, 6, 565-568.	2.4	30
31	Enantioselective Cooperativity Between Intra-Receptor Interactions and Guest Binding: Quantification of Reinforced Chiral Recognition. Angewandte Chemie - International Edition, 2011, 50, 10616-10620.	7.2	30
32	Strategies for the Synthesis of Cyclic Ethers of Marine Natural Products. Synlett, 2013, 25, 12-32.	1.0	30
33	A new approach to functionalized cyclobutanes: Stereoselective synthesis of the enantiomers of grandisol and fraganol. Tetrahedron: Asymmetry, 1995, 6, 1151-1164.	1.8	26
34	Stereocontrolled Synthesis of Unsaturated Halohydrins from Unsaturated Epoxides. Journal of Organic Chemistry, 2001, 66, 7231-7233.	1.7	25
35	A short synthesis of <i>trans</i> -(+)-laurediol. Tetrahedron Letters, 2000, 41, 2503-2505.	0.7	24
36	Stereoselective synthesis of <i>syn</i> -2,7-disubstituted-4,5-oxepenes. Tetrahedron, 2002, 58, 1913-1919.	1.0	24

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37	SYNTHESES OF AVENACIOLIDE AND RELATEDbisLACTONES. A REVIEW. <i>Organic Preparations and Procedures International</i> , 1998, 30, 291-324.	0.6	23
38	Double Cationic Propargylation: From Linear to Polycyclic Ethers. <i>Organic Letters</i> , 2001, 3, 3289-3291.	2.4	22
39	$\hat{1}^2$ -Hydroxy- $\hat{1}^3$ -lactones as nucleophiles in the Nicholas reaction for the synthesis of oxepene rings. Enantioselective formal synthesis of ($\hat{\alpha}^*$)-isolaurepinnacin and (+)-rogioloxepane A. <i>Chemical Communications</i> , 2014, 50, 3685-3688.	2.2	22
40	Synthesis and cation complexation properties of new macrolides. <i>Tetrahedron</i> , 2005, 61, 8177-8191.	1.0	20
41	Synthesis of $\hat{1}^{\pm}, \hat{1}^{\pm} \hat{\alpha}^2 \hat{\alpha}^{\text{D}}$ disubstituted Linear Ethers by an Intermolecular Nicholas Reaction " Application to the Synthesis of (+)- $\hat{\alpha}^{\text{cis}}$ / $\hat{\alpha}^{\text{trans}}$ lauthisan and (+)- $\hat{\alpha}^{\text{cis}}$ / $\hat{\alpha}^{\text{trans}}$ Obtusan. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 554-563.	2.0	20
42	Iron(III)-Catalyzed Halogenations by Substitution of Sulfonate Esters. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 963-972.	2.1	18
43	A Novel Approach for the Evaluation of Positive Cooperative Guest Binding: Kinetic Consequences of Structural Tightening. <i>Chemistry - A European Journal</i> , 2013, 19, 7042-7048.	1.7	18
44	A New Stereoselective Synthesis of ($\hat{\alpha}^*$)-Isoavenaciolide and ($\hat{\alpha}^*$)-Avenaciolide. <i>Journal of Organic Chemistry</i> , 1996, 61, 8448-8452.	1.7	17
45	Synthesis and Conformational Analysis of Cyclic Homooligomers from Pyranoid $\hat{\mu}$ Sugar Amino Acids. <i>Chemistry - A European Journal</i> , 2014, 20, 4007-4022.	1.7	17
46	The cis-2-alkyl-3-oxy-tetrahydropyran unit as a building block for new ionophores with C2-symmetry. <i>Tetrahedron Letters</i> , 2004, 45, 5215-5219.	0.7	16
47	Synthesis and antiproliferative activity of (2R,3R)-disubstituted tetrahydropyrans. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 6135-6138.	1.0	16
48	Expedient Synthesis of C3-Symmetric Hexasubstituted Benzenes via Nicholas Reaction/[2 + 2 + 2] Cycloaddition. <i>New Platforms for Molecular Recognition. Organic Letters</i> , 2014, 16, 552-555.	2.4	16
49	Correlation between Conformational Equilibria of Free Host and Guest Binding Affinity in Non-preorganized Receptors. <i>Journal of Organic Chemistry</i> , 2013, 78, 7785-7795.	1.7	15
50	Tetrahydropyran-Based Hybrid Dipeptides as Asymmetric Catalysts for Michael Addition of Aldehydes to $\hat{1}^2$ -Nitrostyrenes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 576-583.	2.1	15
51	Glycoluril ribbons tethered by complementary hydrogen bonds. <i>Chemical Communications</i> , 2003, , 1638-1639.	2.2	14
52	Crystal structures of self-assembled nanotubes from flexible macrocycles by weak interactions. <i>CrystEngComm</i> , 2010, 12, 3676.	1.3	13
53	Enhancement of Drug Cytotoxicity by Silicon Containing Groups. <i>Letters in Drug Design and Discovery</i> , 2006, 3, 29-34.	0.4	12
54	Stereoselective Synthesis of Highly Substituted .gamma.-Lactones by Diastereoselective Alkylation of .alpha.-(Benzenesulfonyl) Derivatives with Unusual Facial Selectivity. <i>Journal of Organic Chemistry</i> , 1994, 59, 8081-8091.	1.7	11

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55	A Practical Method for Selective Cleavage of a tert-Butoxycarbonyl Protective Group from Diprotected α -Amino Acid Derivatives Using Montmorillonite K10. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5050-5058.	1.2	11
56	Synthesis and antiproliferative activity of (2R,3R)-disubstituted tetrahydropyrans. Part 2: Effect of side chain homologation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 780-783.	1.0	11
57	Synthesis of New Benzocyclootrimer Analogues: New Receptors for Tetramethylammonium Ion Recognition. <i>Organic Letters</i> , 2015, 17, 2912-2915.	2.4	9
58	A Short and Efficient Enantiomeric Synthesis of Antitumor Fused Tetrahydrofurans. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1910-1916.	1.2	8
59	Samarium(II) promoted stereoselective synthesis of antiproliferative cis- β -alkoxy- β -lactones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 18-21.	1.0	8
60	Conformational Control of Tetrahydropyran-Based Hybrid Dipeptide Catalysts Improves Activity and Stereoselectivity. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2141-2147.	2.1	8
61	Fluorescent β -Blockers as Tools to Study Presynaptic Mechanisms of Neurosecretion. <i>Pharmaceuticals</i> , 2011, 4, 713-725.	1.7	7
62	Thermodynamic Analysis of Systems Formed by Alkyl Esters with β -Alkyl Dibromides: New Experimental Information and the Use of a Dense Database to Describe Their Behavior Using the UNIFAC Group Contribution Method and the COSMO-RS Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 12726-12739.	1.8	5
63	Three new europium(III) methanetriacetate metal-organic frameworks: the influence of synthesis on the product topology. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 19-27.	0.5	5
64	Enantiodivergent Cyclization by Inversion of the Reactivity in Ambiphilic Molecules. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17077-17083.	7.2	4
65	Efficient synthesis of benzocyclootrimer analogues by Negishi cross-coupling and intramolecular nucleophilic substitution. <i>Chemical Communications</i> , 2018, 54, 362-365.	2.2	3
66	Intramolecular Nicholas Reaction Enables the Stereoselective Synthesis of Strained Cyclooctynes. <i>Molecules</i> , 2021, 26, 1629.	1.7	3
67	The Bone Regeneration Capacity of BMP-2 + MMP-10 Loaded Scaffolds Depends on the Tissue Status. <i>Pharmaceuticals</i> , 2021, 13, 979.	2.0	3
68	Solid-Supported Tetrahydropyran-Based Hybrid Dipeptide Catalysts for Michael Addition of Aldehydes to Nitrostyrenes. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2822-2829.	2.1	2
69	Tailor-made copper(II) coordination polymers based on the C ₃ symmetric methanetriacetate as a ligand. <i>CrystEngComm</i> , 2017, 19, 376-390.	1.3	1
70	Enantiodivergent Cyclization by Inversion of the Reactivity in Ambiphilic Molecules. <i>Angewandte Chemie</i> , 2020, 132, 17225-17231.	1.6	1
71	Stereoselective Synthesis of Cyclic Ethers by Intramolecular Trapping of Dicobalt Hexacarbonyl-Stabilized Propargylic Cations. <i>ChemInform</i> , 2003, 34, no.	0.1	0
72	Stereoselective Synthesis of Cyclic Ethers by Intramolecular Trapping of Dicobalt Hexacarbonyl-Stabilized Propargylic Cations. <i>ChemInform</i> , 2003, 34, no.	0.1	0

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73	Stereoselective Intramolecular Nicholas Reaction Using Epoxides as Nucleophiles.. ChemInform, 2004, 35, no.	0.1	0
74	Montmorillonite K-10 as a Mild Acid for the Nicholas Reaction.. ChemInform, 2005, 36, no.	0.1	0
75	Front Cover Picture: Tetrahydropyranâ€Based Hybrid Dipeptides as Asymmetric Catalysts for Michael Addition of Aldehydes to Î²â€Nitrostyrenes (Adv. Synth. Catal. 4/2017). Advanced Synthesis and Catalysis, 2017, 359, 533-533.	2.1	0
76	The construction of open frameworks based on methanetriacetic acid: new objects with an old ligand. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s85-s85.	0.3	0