

# Tomas Martin

## List of Publications by Year in descending order

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76  
papers

2,429  
citations

182225

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Intramolecular Nicholas Reaction Enables the Stereoselective Synthesis of Strained Cyclooctynes. <i>Molecules</i> , 2021, 26, 1629.	1.7	3
3	The Bone Regeneration Capacity of BMP-2 + MMP-10 Loaded Scaffolds Depends on the Tissue Status. <i>Pharmaceutics</i> , 2021, 13, 979.	2.0	3
4	Enantiodivergent Cyclization by Inversion of the Reactivity in Ambiphilic Molecules. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17077-17083.	7.2	4
5	Enantiodivergent Cyclization by Inversion of the Reactivity in Ambiphilic Molecules. <i>Angewandte Chemie</i> , 2020, 132, 17225-17231.	1.6	1
6	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
7	Efficient synthesis of benzocyclotrimer analogues by Negishi cross-coupling and intramolecular nucleophilic substitution. <i>Chemical Communications</i> , 2018, 54, 362-365.	2.2	3
8	Tetrahydropyran-Based Hybrid Dipeptides as Asymmetric Catalysts for Michael Addition of Aldehydes to Nitrostyrenes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 576-583.	2.1	15
9	Front Cover Picture: Tetrahydropyran-Based Hybrid Dipeptides as Asymmetric Catalysts for Michael Addition of Aldehydes to Nitrostyrenes ( <i>Adv. Synth. Catal.</i> 4/2017). <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 533-533.	2.1	0
10	Tailor-made copper(ii) coordination polymers based on the C3symmetric methanetriacetate as a ligand. <i>CrystEngComm</i> , 2017, 19, 376-390.	1.3	1
11	Oxidation with air by ascorbate-driven quinone redox cycling. <i>Chemical Communications</i> , 2015, 51, 7027-7030.	2.2	50
12	Synthesis of New Benzocyclotrimer Analogues: New Receptors for Tetramethylammonium Ion Recognition. <i>Organic Letters</i> , 2015, 17, 2912-2915.	2.4	9
13	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
14	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
15	2-Hydroxy-3-lactones as nucleophiles in the Nicholas reaction for the synthesis of oxepene rings. Enantioselective formal synthesis of (-)-isolaurepinnacin and (+)-rogioloxepane A. <i>Chemical Communications</i> , 2014, 50, 3685-3688.	2.2	22
16	Synthesis and Conformational Analysis of Cyclic Homooligomers from Pyranoid Sugar Amino Acids. <i>Chemistry - A European Journal</i> , 2014, 20, 4007-4022.	1.7	17
17	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
18	Epoxy-Opening Cascades Triggered by a Nicholas Reaction: Total Synthesis of Teurilene. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3659-3662.	7.2	36

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19	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
20	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
21	Strategies for the Synthesis of Cyclic Ethers of Marine Natural Products. <i>Synlett</i> , 2013, 25, 12-32.	1.0	30
22	Iron(III)-Catalyzed Halogenations by Substitution of Sulfonate Esters. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 963-972.	2.1	18
23	Enantioselective Cooperativity Between Intra-Receptor Interactions and Guest Binding: Quantification of Reinforced Chiral Recognition. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10616-10620.	7.2	30
24	Fluorescent $\hat{I}^2$ -Blockers as Tools to Study Presynaptic Mechanisms of Neurosecretion. <i>Pharmaceuticals</i> , 2011, 4, 713-725.	1.7	7
25	The Construction of Open Gd <sup>III</sup> Metal-Organic Frameworks Based on Methanetricetic Acid: New Objects with an Old Ligand. <i>Chemistry - A European Journal</i> , 2010, 16, 4037-4047.	1.7	37
26	An Approach to <i>Lauroxanes</i> by Iterative Use of Co <sub>2</sub> (CO) <sub>6</sub> -Acetylenic Complexes. A Formal Synthesis of (+)-Laurencin. <i>Journal of Organic Chemistry</i> , 2010, 75, 6660-6672.	1.7	37
27	Thermodynamic Analysis of Systems Formed by Alkyl Esters with $\hat{I}^{\pm}$ -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 &amp; Engineering Chemistry Research</i> , 2010, 49, 12726-12739.	1.8	5
28	Crystal structures of self-assembled nanotubes from flexible macrocycles by weak interactions. <i>CrystEngComm</i> , 2010, 12, 3676.	1.3	13
29	The construction of open frameworks based on methanetricetic acid: new objects with an old ligand. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s85-s85.	0.3	0
30	Synthesis of $\hat{I}^{\pm}$ -Disubstituted Linear Ethers by an Intermolecular Nicholas Reaction – Application to the Synthesis of (+)-cis-Lauthisan and (+)-cis-Obtusan. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 554-563.	1.2	20
31	Quantification of a CH $\cdots$ O 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
32	Insect Growth Regulatory Effects of Linear Diterpenoids and Derivatives from <i>Baccharis thymifolia</i> . <i>Journal of Natural Products</i> , 2008, 71, 190-194.	1.5	38
33	A Practical Method for Selective Cleavage of a <i>tert</i> -Butoxycarbonyl <i>N</i> -Protective Group from <i>N,N</i> -Diprotected $\hat{I}^{\pm}$ -Amino Acid Derivatives Using Montmorillonite K $\hat{I}0$ . <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5050-5058.	1.2	11
34	Samarium(II) promoted stereoselective synthesis of antiproliferative cis- $\hat{I}^2$ -alkoxy- $\hat{I}^3$ -alkyl- $\hat{I}^3$ -lactones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 18-21.	1.0	8
35	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
36	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

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37	Synthesis and antiproliferative activity of (2R,3R)-disubstituted tetrahydropyrans. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 6135-6138.	1.0	16
38	A Short and Efficient Enantiomeric Synthesis of Antitumor Fused Tetrahydrofurans. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1910-1916.	1.2	8
39	Enhancement of Drug Cytotoxicity by Silicon Containing Groups. <i>Letters in Drug Design and Discovery</i> , 2006, 3, 29-34.	0.4	12
40	Molecular Simplification in Bioactive Molecules: A Formal Synthesis of (+)-Muconin. <i>Journal of Organic Chemistry</i> , 2006, 71, 2339-2345.	1.7	34
41	Montmorillonite K-10 as a mild acid for the Nicholas reaction. <i>Tetrahedron Letters</i> , 2005, 46, 2829-2832.	0.7	34
42	Synthesis and cation complexation properties of new macrolides. <i>Tetrahedron</i> , 2005, 61, 8177-8191.	1.0	20
43	Montmorillonite K-10 as a Mild Acid for the Nicholas Reaction.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
44	The tert-butyl dimethyl silyl group as an enhancer of drug cytotoxicity against human tumor cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3536-3539.	1.0	35
45	A Convenient and Chemoselective One-Pot Oxidation/Wittig Reaction for the C2-Homologation of Carbohydrate-Derived Glycols. <i>Journal of Organic Chemistry</i> , 2005, 70, 10099-10101.	1.7	38
46	Stereoselective Intramolecular Nicholas Reaction Using Epoxides as Nucleophiles.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
47	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
48	Stereoselective Intramolecular Nicholas Reaction Using Epoxides as Nucleophiles. <i>Organic Letters</i> , 2004, 6, 565-568.	2.4	30
49	Stereoselective Synthesis of Cyclic Ethers by Intramolecular Trapping of Dicobalt Hexacarbonyl-Stabilized Propargylic Cations.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
50	Stereoselective Synthesis of Cyclic Ethers by Intramolecular Trapping of Dicobalt Hexacarbonyl-Stabilized Propargylic Cations.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
51	Stereoselective Synthesis of Cyclic Ethers by Intramolecular Trapping of Dicobalt Hexacarbonyl-Stabilized Propargylic Cations. <i>Journal of Organic Chemistry</i> , 2003, 68, 3216-3224.	1.7	39
52	Glycoluril ribbons tethered by complementary hydrogen bonds. <i>Chemical Communications</i> , 2003, , 1638-1639.	2.2	14
53	Stereoselective synthesis of syn-2,7-disubstituted-4,5-oxepenes. <i>Tetrahedron</i> , 2002, 58, 1913-1919.	1.0	24
54	Chiral Softballs: A Synthesis and Molecular Recognition Properties. <i>Journal of the American Chemical Society</i> , 2001, 123, 5213-5220.	6.6	94

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55	Double Cationic Propargylation: From Linear to Polycyclic Ethers. <i>Organic Letters</i> , 2001, 3, 3289-3291.	2.4	22
56	Stereocontrolled Synthesis of Unsaturated Halohydrins from Unsaturated Epoxides. <i>Journal of Organic Chemistry</i> , 2001, 66, 7231-7233.	1.7	25
57	$\beta^2$ -Hydroxy- $\beta^3$ -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
58	Chiral Guests and Their Ghosts in Reversibly Assembled Hosts. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2130-2132.	7.2	97
59	A short synthesis of trans-(+)-laurediol. <i>Tetrahedron Letters</i> , 2000, 41, 2503-2505.	0.7	24
60	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
61	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
62	Structural Examination of Supramolecular Architectures by Electrospray Ionization Mass Spectrometry. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1325-1331.	1.2	48
63	Chiral Microenvironments in Self-Assembled Capsules. <i>Journal of the American Chemical Society</i> , 1999, 121, 10281-10285.	6.6	66
64	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
65	Enantiospecific synthesis of $\beta^{\pm}$ -amino acid semialdehydes: a key step for the synthesis of unnatural unsaturated and saturated $\beta^{\pm}$ -amino acids. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 3381-3394.	1.8	88
66	SYNTHESES OF AVENACIOLIDE AND RELATED bisLACTONES. A REVIEW. <i>Organic Preparations and Procedures International</i> , 1998, 30, 291-324.	0.6	23
67	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
68	Chiral Spaces: Dissymmetric Capsules Through Self-Assembly. <i>Science</i> , 1998, 279, 1021-1023.	6.0	204
69	Molecular Assembly and Encapsulation Directed by Hydrogen-Bonding Preferences and the Filling of Space. <i>Journal of the American Chemical Society</i> , 1998, 120, 1842-1845.		42
70	A General Approach to the Asymmetric Synthesis of Unsaturated Lipidic $\beta^{\pm}$ -Amino Acids. The First Synthesis of $\beta^{\pm}$ -Aminoarachidonic Acid. <i>Journal of Organic Chemistry</i> , 1998, 63, 3741-3744.	1.7	81
71	Biomimetic-Type Synthesis of Halogenated Tetrahydrofurans from Laurencia. Total Synthesis of trans-(+)-Deacetyl kumausyne. <i>Journal of Organic Chemistry</i> , 1997, 62, 1570-1571.	1.7	42
72	A New Stereoselective Synthesis of ( $\beta^{\pm}$ )-Isoavenaciolide and ( $\beta^{\pm}$ )-Avenaciolide. <i>Journal of Organic Chemistry</i> , 1996, 61, 8448-8452.	1.7	17

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73	Efficient Stereoselective Synthesis of the Enantiomers of Highly Substituted Paraconic Acids. <i>Journal of Organic Chemistry</i> , 1996, 61, 6450-6453.	1.7	43
74	A new approach to functionalized cyclobutanes: Stereoselective synthesis of the enantiomers of grandisol and fraganol. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1151-1164.	1.8	26
75	Stereoselective Synthesis of Highly Substituted $\gamma$ -Lactones and Butenolides by Intramolecular Michael Addition of Enantiomerically Enriched $\gamma$ -[(Phenylthio)acyl]oxy $\alpha,\beta$ -Unsaturated Esters. <i>Journal of Organic Chemistry</i> , 1994, 59, 4461-4472.	1.7	31
76	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