

Cristiano Zonta

List of Publications by Year in descending order

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80
papers

2,745
citations

147801

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h-index

189892

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all docs

92
docs citations

92
times ranked

2915
citing authors

#	ARTICLE	IF	CITATIONS
1	Helicity control of a perfluorinated carbon chain within a chiral supramolecular cage monitored by VCD. <i>Chemical Communications</i> , 2022, 58, 2152-2155.	4.1	8
2	Elucidating Sulfide Activation Mode in Metal-Catalyzed Sulfoxidation Reactivity. <i>Inorganic Chemistry</i> , 2022, 61, 4494-4501.	4.0	5
3	Chiroptical Enhancement of Chiral Dicarboxylic Acids from Confinement in a Stereodynamic Supramolecular Cage. <i>ACS Sensors</i> , 2022, 7, 1390-1394.	7.8	16
4	Tris(2-pyridylmethyl)amines as emerging scaffold in supramolecular chemistry. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213558.	18.8	24
5	Electrocatalytic hydrogen evolution using hybrid electrodes based on single-walled carbon nanohorns and cobalt(II) polypyridine complexes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20032-20039.	10.3	10
6	Mixed Multimetallic tris (2-pyridylmethyl)amine Based Complexes: Synthesis and Chiroptical Properties. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2942-2946.	2.0	1
7	Dissection of the Polar and Non-Polar Contributions to Aromatic Stacking Interactions in Solution. <i>Angewandte Chemie</i> , 2021, 133, 24064.	2.0	2
8	Dissection of the Polar and Non-Polar Contributions to Aromatic Stacking Interactions in Solution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23871-23877.	13.8	14
9	Chiral recognition via a stereodynamic vanadium probe using the electronic circular dichroism effect in differential Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23336-23340.	2.8	7
10	Straight from the bottle! Wine and juice dicarboxylic acids as templates for supramolecular cage self-assembly. <i>Chemical Communications</i> , 2021, 57, 10019-10022.	4.1	10
11	Organic Polyradicals as Redox Mediators: Effect of Intramolecular Radical Interactions on Their Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45968-45975.	8.0	3
12	Tripodal gold(II) polypyridyl complexes and their Cu ⁺ and Zn ²⁺ heterometallic derivatives. Effects on luminescence. <i>Dalton Transactions</i> , 2020, 49, 14613-14625.	3.3	5
13	Testing the vibrational exciton and the local mode models on the instructive cases of dicarvone, dipinocarvone, and dimenthol vibrational circular dichroism spectra. <i>Chirality</i> , 2020, 32, 907-921.	2.6	5
14	Hetero-Coencapsulation within a Supramolecular Cage: Moving away from the Statistical Distribution of Different Guests. <i>Chemistry - A European Journal</i> , 2020, 26, 9454-9458.	3.3	7
15	Tris-pyridylmethylamine (TPMA) complexes functionalized with persistent nitronyl nitroxide organic radicals. <i>Dalton Transactions</i> , 2020, 49, 10011-10016.	3.3	3
16	A Diastereodynamic Probe Transducing Molecular Length into Chiroptical Readout. <i>Journal of the American Chemical Society</i> , 2019, 141, 11963-11969.	13.7	29
17	Supramolecular cage encapsulation as a versatile tool for the experimental quantification of aromatic stacking interactions. <i>Chemical Science</i> , 2019, 10, 1466-1471.	7.4	20
18	Extending substrate sensing capabilities of zinc tris(2-pyridylmethyl)amine-based stereodynamic probe. <i>Chirality</i> , 2019, 31, 375-383.	2.6	4

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19	Supramolecular cages as differential sensors for dicarboxylate anions: guest length sensing using principal component analysis of ESI-MS and ¹ H-NMR raw data. <i>Chemical Science</i> , 2019, 10, 3523-3528.	7.4	38
20	Binding Profiles of Self-Assembled Supramolecular Cages from ESI-MS Based Methodology. <i>Chemistry - A European Journal</i> , 2018, 24, 2936-2943.	3.3	25
21	Efficient Vanadium-Catalyzed Aerobic C-C Bond Oxidative Cleavage of Vicinal Diols. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3286-3296.	4.3	38
22	Distance between Metal Centres Affects Catalytic Efficiency of Dinuclear Co ^{III} Complexes in the Hydrolysis of a Phosphate Diester. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5375-5381.	2.4	11
23	A stereodynamic fluorescent probe for amino acids. Circular dichroism and circularly polarized luminescence analysis. <i>Chirality</i> , 2018, 30, 65-73.	2.6	19
24	Diastereoselective multi-component assemblies from dynamic covalent imine condensation and metal-coordination chemistry: mechanism and narcissistic stereochemistry self-sorting. <i>RSC Advances</i> , 2018, 8, 19494-19498.	3.6	11
25	Second-Generation Tris(2-pyridylmethyl)amine-Zinc Complexes as Probes for Enantiomeric Excess Determination of Amino Acids. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1438-1442.	2.4	19
26	Vanadium(V) Catalysts with High Activity for the Coupling of Epoxides and CO ₂ : Characterization of a Putative Catalytic Intermediate. <i>ACS Catalysis</i> , 2017, 7, 2367-2373.	11.2	93
27	Triggering Assembly and Disassembly of a Supramolecular Cage. <i>Journal of the American Chemical Society</i> , 2017, 139, 6456-6460.	13.7	59
28	Concentration-Independent Stereodynamic <i>g</i> -Probe for Chiroptical Enantiomeric Excess Determination. <i>Journal of the American Chemical Society</i> , 2017, 139, 15616-15619.	13.7	49
29	Tuning the reactivity and efficiency of copper catalysts for atom transfer radical polymerization by synthetic modification of tris(2-methylpyridyl)amine. <i>Polymer</i> , 2017, 128, 169-176.	3.8	41
30	Synthesis, Characterization and Catalytic Activity of a Tungsten(VI) Amino Triphenolate Complex. <i>Catalysis Letters</i> , 2017, 147, 2313-2318.	2.6	9
31	Cobalt, nickel, and iron complexes of 8-hydroxyquinoline-di(2-picoyl)amine for light-driven hydrogen evolution. <i>Dalton Transactions</i> , 2017, 46, 16455-16464.	3.3	24
32	Heterolytic (2e ⁻) vs Homolytic (1e ⁻) Oxidation Reactivity: N-H versus C-H Switch in the Oxidation of Lactams by Dioxirans. <i>Chemistry - A European Journal</i> , 2017, 23, 259-262.	3.3	21
33	Photoinduced hydrogen evolution with new tetradentate cobalt(ⁱⁱ) complexes based on the TPMA ligand. <i>Dalton Transactions</i> , 2016, 45, 14764-14773.	3.3	38
34	Discrimination of Octahedral versus Trigonal Bipyramidal Coordination Geometries of Homogeneous Ti ^{IV} , V ^V , and Mo ^{VI} Amino Triphenolate Complexes through Nitroxyl Radical Units. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4968-4973.	2.0	10
35	Discrimination of Octahedral versus Trigonal Bipyramidal Coordination Geometries of Homogeneous Ti ^{IV} , V ^V , and Mo ^{VI} Amino Triphenolate Complexes through Nitroxyl Radical Units. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4939-4939.	2.0	0
36	Multimetallic Architectures from the Self-Assembly of Amino Acids and Tris(2-pyridylmethyl)amine Zinc(II) Complexes: Circular Dichroism Enhancement by Chromophores Organization. <i>Chemistry - A European Journal</i> , 2016, 22, 6515-6518.	3.3	40

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37	Co(<i>ii</i>)-induced giant vibrational CD provides a new design of methods for rapid and sensitive chirality recognition. <i>Chemical Communications</i> , 2016, 52, 8428-8431.	4.1	39
38	Effective bromo and chloro peroxidation catalysed by tungsten(<i>vi</i>) amino triphenolate complexes. <i>Dalton Transactions</i> , 2016, 45, 14603-14608.	3.3	22
39	Mononuclear Iron(III) Complexes as Functional Models of Catechol Oxidases and Catalases. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3478-3484.	2.0	14
40	Vanadium catalyzed aerobic carbon-carbon cleavage. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 147-162.	18.8	63
41	Revisiting the Hammett ρ Parameter for the Determination of Philicity: Nucleophilic Substitution with Inverse Charge Interaction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2911-2914.	13.8	10
42	Non-covalent Activation of a Titanium(IV) Oxygen-Transfer Catalyst. <i>Chemistry - A European Journal</i> , 2013, 19, 9438-9441.	3.3	14
43	Determination of Amino Acid Enantiopurity and Absolute Configuration: Synergism between Configurationally Labile Metal-Based Receptors and Dynamic Covalent Interactions. <i>Chemistry - A European Journal</i> , 2013, 19, 16809-16813.	3.3	47
44	(+)- <i>syn</i> -Benzotriborneol an enantiopure C ₃ -symmetric receptor for water. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2464.	2.8	9
45	Reactivity Control in Iron(III) Amino Triphenolate Complexes: Comparison of Monomeric and Dimeric Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 10639-10649.	4.0	66
46	Benzocyclotrimers: From the Mills-Nixon Effect to Gas Hosting. <i>Accounts of Chemical Research</i> , 2011, 44, 416-423.	15.6	27
47	Mechanistic aspects of vanadium catalysed oxidations with peroxides. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2165-2177.	18.8	189
48	Cooperativity in benzotriazole-amine complexes: allosteric tuning of molecular recognition interfaces. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 122-128.	1.9	2
49	Effective Synthesis of <i>ortho</i> -Substituted Trithiophenol Amines by Miyazaki-Newman-Kwart Rearrangement. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5636-5640.	2.4	10
50	Enantiopure Ti(IV) amino triphenolate complexes as NMR chiral solvating agents. <i>Chirality</i> , 2011, 23, 796-800.	2.6	23
51	Recent advances in vanadium catalyzed oxygen transfer reactions. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2345-2357.	18.8	155
52	Molybdenum(VI) Amino Triphenolate Complexes as Catalysts for Sulfoxidation, Epoxidation and Haloperoxidation. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2937-2942.	4.3	53
53	Stereoselective Control by Face-Face Versus Edge-Face Aromatic Interactions: The Case of <i>C</i> ₃ -Ti ^{IV} Amino Triphenolate Sulfoxidation Catalysts. <i>Chemistry - A European Journal</i> , 2010, 16, 645-654.	3.3	33
54	Synthesis and Structure of D _{3h} -Symmetric Triptycene Trimaleimide. <i>Molecules</i> , 2010, 15, 226-232.	3.8	8

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55	Ti(IV)-amino triphenolate complexes as effective catalysts for sulfoxidation. Dalton Transactions, 2010, 39, 7384.	3.3	46
56	1-Bromo-2-(diphenylphosphinoyl)ethyne and 1-bromo-2-(p-tolylsulfinyl)ethyne: versatile reagents eventually leading to benzocyclotrimers. Tetrahedron Letters, 2009, 50, 1973-1976.	1.4	9
57	Role of Intermolecular Interactions in Oxygen Transfer Catalyzed by Silsesquioxane Trisilanolate Vanadium(V). Inorganic Chemistry, 2009, 48, 4724-4728.	4.0	31
58	Amine triphenolate complexes: synthesis, structure and catalytic activity. Dalton Transactions, 2009, , 5265.	3.3	78
59	C ₃ -Symmetric Titanium(IV) Triphenolate Amino Complexes for a Fast and Effective Oxidation of Secondary Amines to Nitrones with Hydrogen Peroxide. Advanced Synthesis and Catalysis, 2008, 350, 2503-2506.	4.3	43
60	C ₃ Vanadium(V) Amine Triphenolate Complexes: Vanadium Haloperoxidase Structural and Functional Models. Inorganic Chemistry, 2008, 47, 8616-8618.	4.0	103
61	Substituent effects on aromatic stacking interactions. Organic and Biomolecular Chemistry, 2007, 5, 1062.	2.8	221
62	Stereoselective Iodocyclization of (S)-Allylalanine Derivatives: Δ^3 -Lactone vs Cyclic Carbamate Formation. Organic Letters, 2007, 9, 2365-2368.	4.6	25
63	A Novel C ₃ -Symmetric Triol as Chiral Receptor for Ammonium Ions. European Journal of Organic Chemistry, 2007, 2007, 283-291.	2.4	35
64	Thione \rightarrow Thiol Rearrangement: Miyazaki \rightarrow Newman \rightarrow Kwart Rearrangement and Others. Topics in Current Chemistry, 2006, 275, 131-161.	4.0	33
65	Benzotriazole Complexes with Amines and Phenol: ∞ Cooperativity Mediated by Induction Effects in the Crystal State. Organic Letters, 2006, 8, 1577-1579.	4.6	5
66	Molecular dynamics simulation of small water-binding cavitands. Chemical Physics Letters, 2006, 423, 312-316.	2.6	6
67	A Hough \rightarrow Mallion-Based Approach for the Evaluation of the Intensity Factors of Aromatic Rings. European Journal of Organic Chemistry, 2006, 2006, 449-452.	2.4	8
68	Synthesis of 1,5-Substituted Iminodibenzo[b,f][1,5]diazocine, an Analogue of Tröger's Base. European Journal of Organic Chemistry, 2006, 2006, 2987-2990.	2.4	15
69	From structure to chemical shift and vice-versa. Progress in Nuclear Magnetic Resonance Spectroscopy, 2005, 47, 27-39.	7.5	37
70	The Pyrrole Approach toward the Synthesis of Fully Functionalized Cup-Shaped Molecules. Organic Letters, 2005, 7, 1003-1006.	4.6	48
71	Quantification of Functional Group Interactions in Transition States. Journal of the American Chemical Society, 2003, 125, 9936-9937.	13.7	34
72	Complexation-induced chemical shifts \rightarrow ab initio parameterization of transferable bond anisotropies. Journal of Magnetic Resonance, 2003, 162, 102-112.	2.1	14

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73	The role of the counteranion in the cation- π interaction. <i>Chemical Communications</i> , 2003, , 834-835.	4.1	37
74	Substituent effects on cation- π interactions: A quantitative study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4873-4876.	7.1	120
75	An Evaluation of Force-Field Treatments of Aromatic Interactions. <i>Chemistry - A European Journal</i> , 2002, 8, 2860.	3.3	78
76	anti-Selective Heck-type cyclotrimerization of polycyclic bromoalkenes. <i>Tetrahedron Letters</i> , 2001, 42, 3515-3518.	1.4	31
77	Noncovalent Assembly of [2]Rotaxane Architectures. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2678-2682.	13.8	96
78	Synthesis of Benzotri(benzonorbornadienes) (BTBNDs): Rigid, Cup-Shaped Molecules with High Electron Density within the Cavity. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 1965-1971.	2.4	39
79	Palladium-catalysed cyclotrimerisation reactions of polycyclic alkenes under the Stille and Grigg coupling conditions. <i>Chemical Communications</i> , 2000, , 1837-1838.	4.1	20
80	Stereochemistry of the cyclotrimerisation of enantiopure polycyclic bromostannylalkenes: Mechanistic considerations on the coupling of alkenyl stannanes by copper(II) nitrate. <i>Tetrahedron Letters</i> , 1999, 40, 8185-8188.	1.4	26