

# Carmen Talotta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3421479/publications.pdf>

Version: 2024-02-01

84  
papers

1,854  
citations

218677

26  
h-index

302126

39  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular catalysis in confined space: making the pyrogallol[4]arene capsule catalytically active in non-competitive solvent. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2453-2463.	4.5	2
2	Molecular Recognition in an Aqueous Medium Using Water-Soluble Prismarene Hosts. <i>Organic Letters</i> , 2022, 24, 2711-2715.	4.6	17
3	Carbocation catalysis in confined space: activation of trityl chloride inside the hexameric resorcinarene capsule. <i>Chemical Science</i> , 2022, 13, 8618-8625.	7.4	6
4	Supramolecular Catalysis with Self-Assembled Capsules and Cages: What Happens in Confined Spaces. <i>ChemCatChem</i> , 2021, 13, 1638-1658.	3.7	52
5	An intramolecularly self-templated synthesis of macrocycles: self-filling effects on the formation of prismarenes. <i>Chemical Science</i> , 2021, 12, 9952-9961.	7.4	27
6	Expanding Coefficient: A Parameter To Assess the Stability of Induced-Fit Complexes. <i>Organic Letters</i> , 2021, 23, 1804-1808.	4.6	4
7	Poly(Ethylene Glycol)- $\beta$ -Cyclodextrin Pseudorotaxane Complexes as Sustainable Dispersing and Retarding Materials in a Cement-Based Mortar. <i>ACS Omega</i> , 2021, 6, 12250-12260.	3.5	5
8	Chromogenic Properties of <i>p</i> -Pyridinium- and <i>p</i> -Viologen-Calixarenes and Their Cation-Sensing Abilities. <i>Journal of Organic Chemistry</i> , 2021, 86, 13001-13010.	3.2	5
9	Chirality Transfer in a Calixarene-Based Directional Pseudorotaxane Complex. <i>Chemistry</i> , 2021, 3, 1089-1100.	2.2	2
10	Multivalent resorcinarene clusters decorated with DAB-1 inhibitors: targeting Golgi $\alpha$ -mannosidase from <i>Drosophila melanogaster</i> . <i>Organic Chemistry Frontiers</i> , 2021, 8, 6648-6656.	4.5	3
11	Solvent and Guest-Driven Supramolecular Organic Frameworks Based on a Calix[4]arene-tetrol: Channels vs Molecular Cavities. <i>Crystal Growth and Design</i> , 2021, 21, 6357-6363.	3.0	6
12	<i>p</i> -Hydroxylated Prism[5]arenes: Supramolecularly Assisted Demethylation of Methoxy-Prism[5]arene. <i>Organic Letters</i> , 2021, 23, 8143-8146.	4.6	16
13	Selective recognition of bisphenol S isomers in water by $\beta$ -cyclodextrin. <i>Supramolecular Chemistry</i> , 2021, 33, 295-308.	1.2	1
14	Unusual Calixarenes Incorporating Chromene and Benzofuran Moieties Obtained via Propargyl Claisen Rearrangement. <i>Organic Letters</i> , 2021, 23, 9283-9287.	4.6	2
15	Synergic Interplay Between Halogen Bonding and Hydrogen Bonding in the Activation of a Neutral Substrate in a Nanoconfined Space. <i>Angewandte Chemie</i> , 2020, 132, 821-828.	2.0	4
16	Synergic Interplay Between Halogen Bonding and Hydrogen Bonding in the Activation of a Neutral Substrate in a Nanoconfined Space. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 811-818.	13.8	34
17	Prismarenes: A New Class of Macrocyclic Hosts Obtained by Templatation in a Thermodynamically Controlled Synthesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 1752-1756.	13.7	112
18	Calix[2]naphth[2]arene: A Class of Naphthalene-Phenol Hybrid Macrocyclic Hosts. <i>Organic Letters</i> , 2020, 22, 6166-6170.	4.6	14

#	ARTICLE	IF	CITATIONS
19	Dispersing and Retarding Properties of Water-Soluble Tetrasulfonate Resorcin[4]arene and Pyrogallol[4]arene Macrocycles in Cement-Based Mortar. ACS Omega, 2020, 5, 18218-18225.	3.5	2
20	Study on the Influence of Chirality in the Threading of Calix[6]arene Hosts with Dialkylammonium Axles. Molecules, 2020, 25, 5323.	3.8	2
21	Synthesis and Glycosidase Inhibition Properties of Calix[8]arene-Based Iminosugar Click Clusters. Pharmaceuticals, 2020, 13, 366.	3.8	8
22	Kinetic and Thermodynamic Modulation of Dynamic Imine Libraries Driven by the Hexameric Resorcinarene Capsule. Journal of the American Chemical Society, 2020, 142, 14914-14923.	13.7	26
23	Influence of <i>exo</i> -Adamantyl Groups and <i>endo</i> -OH Functions on the Threading of Calix[6]arene Macrocycle. Journal of Organic Chemistry, 2020, 85, 12585-12593.	3.2	2
24	An Atom-Economical Method for the Formation of Amidopyrroles Exploiting the Self-Assembled Resorcinarene Capsule. Organic Letters, 2020, 22, 2590-2594.	4.6	12
25	Synthesis, Characterization, and Solid-State Structure of [8]Cycloparaphenylenes with Inherent Chirality. Journal of Organic Chemistry, 2019, 84, 9489-9496.	3.2	7
26	Threading of Conformationally Stable Calix[6]arene Wheels Substituted at the Methylene Bridges. Journal of Organic Chemistry, 2019, 84, 11922-11927.	3.2	8
27	A hexameric resorcinarene capsule as a hydrogen bonding catalyst in the conjugate addition of pyrroles and indoles to nitroalkenes. Organic Chemistry Frontiers, 2019, 6, 2339-2347.	4.5	26
28	Negative Solvatochromism in a <i>N</i> -Linked <i>p</i> -Pyridiniumcalix[4]arene Derivative. Organic Letters, 2019, 21, 2704-2707.	4.6	7
29	Frontispiece: The Hexameric Resorcinarene Capsule at Work: Supramolecular Catalysis in Confined Spaces. Chemistry - A European Journal, 2019, 25, .	3.3	0
30	Green, Mild, and Efficient Friedel-Crafts Benzylolation of Scarcely Reactive Arenes and Heteroarenes under On-Water Conditions. ChemSusChem, 2019, 12, 1673-1683.	6.8	6
31	First demonstration of the use of very large Stokes shift cycloparaphenylenes as promising organic luminophores for transparent luminescent solar concentrators. Chemical Communications, 2019, 55, 3160-3163.	4.1	39
32	The Hexameric Resorcinarene Capsule as a Brønsted Acid Catalyst for the Synthesis of Bis(heteroaryl)methanes in a Nanoconfined Space. Frontiers in Chemistry, 2019, 7, 687.	3.6	13
33	Multiple threading of a triple-calix[6]arene host. Beilstein Journal of Organic Chemistry, 2019, 15, 2092-2104.	2.2	2
34	The Hexameric Resorcinarene Capsule at Work: Supramolecular Catalysis in Confined Spaces. Chemistry - A European Journal, 2019, 25, 4899-4913.	3.3	81
35	Co-conformational mechanoisomerism in a calix[6]arene-based [2]rotaxane. Supramolecular Chemistry, 2019, 31, 62-68.	1.2	1
36	Dinuclear zirconium complex bearing a 1,5-bridged-calix[8]arene ligand as an effective catalyst for the synthesis of macrolactones. Catalysis Science and Technology, 2018, 8, 2716-2727.	4.1	14

#	ARTICLE	IF	CITATIONS
37	Threading fluorescent calixarene-wheels with ammonium axles. <i>Supramolecular Chemistry</i> , 2018, 30, 627-641.	1.2	3
38	Mild Friedel-Crafts Reactions inside a Hexameric Resorcinarene Capsule: C-Cl Bond Activation through Hydrogen Bonding to Bridging Water Molecules. <i>Angewandte Chemie</i> , 2018, 130, 5521-5526.	2.0	25
39	Mild Friedel-Crafts Reactions inside a Hexameric Resorcinarene Capsule: C-Cl Bond Activation through Hydrogen Bonding to Bridging Water Molecules. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5423-5428.	13.8	82
40	An Anthracene-Incorporated [8]Cycloparaphenylene Derivative as an Emitter in Photon Upconversion. <i>Journal of Organic Chemistry</i> , 2018, 83, 220-227.	3.2	22
41	Synthesis, Optoelectronic, and Supramolecular Properties of a Calix[4]arene-Cycloparaphenylene Hybrid Host. <i>Organic Letters</i> , 2018, 20, 7415-7418.	4.6	12
42	Calix[6]arene-based atropisomeric pseudo[2]rotaxanes. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2112-2124.	2.2	4
43	Solvent-Free Enantioselective Michael Reactions Catalyzed by a Calixarene-Based Primary Amine Thiourea. <i>Journal of Organic Chemistry</i> , 2018, 83, 10318-10325.	3.2	20
44	Supramolecular Organocatalysis in Water Mediated by Macrocyclic Compounds. <i>Frontiers in Chemistry</i> , 2018, 6, 84.	3.6	46
45	Exploiting the $\beta$ -Bromodienone Route for the Formation and Trapping of Calixarene Oxenium Cations with Enamine Nucleophiles. <i>Journal of Organic Chemistry</i> , 2018, 83, 5947-5953.	3.2	0
46	The hexameric resorcinarene capsule as an artificial enzyme: ruling the regio and stereochemistry of a 1,3-dipolar cycloaddition between nitrones and unsaturated aldehydes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 827-837.	4.5	57
47	$\beta$ -Cyclodextrin as a Catalyst for the Synthesis of 2-Methyl-3,5-diarylisoxazolidines in Water. <i>Journal of Organic Chemistry</i> , 2017, 82, 4631-4639.	3.2	29
48	Calix[5]arene Through-the-Annulus Threading of Dialkylammonium Guests Weakly Paired to the TFPB Anion. <i>Journal of Organic Chemistry</i> , 2017, 82, 5162-5168.	3.2	23
49	A Simple Tetraminocalix[4]arene as a Highly Efficient Catalyst under $\text{H}_2\text{O}$ Conditions through Hydrophobic Amplification of Weak Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2017, 23, 7142-7151.	3.3	24
50	Absolute Configuration Assignment of Chiral Resorcin[4]arenes from ECD Spectra. <i>Journal of Organic Chemistry</i> , 2017, 82, 202-210.	3.2	5
51	Directing the Cation Recognition Ability of Calix[4]arenes toward Asymmetric Phase-Transfer Catalysis. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5649-5659.	2.4	15
52	Tuning Cycloparaphenylene Host Properties by Chemical Modification. <i>Journal of Organic Chemistry</i> , 2017, 82, 9885-9889.	3.2	45
53	Threading of an Inherently Directional Calixarene Wheel with Oriented Ammonium Axles. <i>Journal of Organic Chemistry</i> , 2017, 82, 8973-8983.	3.2	14
54	Supramolecular synthons in the gamma-hydroxybutenolides. <i>CrystEngComm</i> , 2017, 19, 5079-5088.	2.6	3

#	ARTICLE	IF	CITATIONS
55	Exploiting the hydrophobicity of calixarene macrocycles for catalysis under aqueous conditions. RSC Advances, 2016, 6, 91846-91851.	3.6	36
56	Alkylammonium Guest Induced Fit Recognition by a Flexible Dihomocalix[4]arene Derivative. European Journal of Organic Chemistry, 2016, 2016, 158-167.	2.4	37
57	A tetrasulfate-resorcin[6]arene cavitand as the host for organic ammonium guests. Organic Chemistry Frontiers, 2016, 3, 1276-1280.	4.5	4
58	Solid-state assembly of a resorcin[6]arene in twin molecular capsules. CrystEngComm, 2016, 18, 5045-5049.	2.6	5
59	Improved Synthesis of Larger Resorcinarenes. Journal of Organic Chemistry, 2016, 81, 5726-5731.	3.2	16
60	Synthesis and supramolecular features of hybrid POM/onium solid-state assemblies. Supramolecular Chemistry, 2016, 28, 403-417.	1.2	2
61	Biomolecular Fishing for Calixarene Partners by a Chemoproteomic Approach. Angewandte Chemie - International Edition, 2015, 54, 15405-15409.	13.8	23
62	Calix[6]arene Threading with Weakly Interacting Tertiary Ammonium Axles: Generation of Chiral Pseudorotaxane Architectures. Organic Letters, 2015, 17, 1006-1009.	4.6	34
63	Nucleophilic Functionalization of the Calix[6]arene <i>para</i> - and <i>meta</i> -Position via <i>p</i> -Bromodienone Route. Journal of Organic Chemistry, 2015, 80, 7295-7300.	3.2	18
64	Polyoxomolybdate-Calix[4]arene Hybrid: A Catalyst for Sulfoxidation Reactions with Hydrogen Peroxide. Organic Letters, 2015, 17, 5100-5103.	4.6	42
65	DNA Recognition with Polycyclic Aromatic Hydrocarbon Presenting Calixarene Conjugates. European Journal of Organic Chemistry, 2014, 2014, 7605-7613.	2.4	19
66	Pseudorotaxane orientational stereoisomerism driven by $\pi$ -electron density. Chemical Communications, 2014, 50, 9917.	4.1	39
67	Threading of a double-calix[6]arene system with dialkylammonium axles. Supramolecular Chemistry, 2014, 26, 569-578.	1.2	8
68	Endo-Complexation of Alkylammonium Ions by Calix[4]arene Cavity: Facilitating Cation- $\pi$ Interactions through the Weakly Coordinating Anion Approach. Journal of Organic Chemistry, 2014, 79, 9842-9846.	3.2	15
69	Anion-Induced Dimerization in <i>p</i> -Squaramidocalix[4]arene Derivatives. Journal of Organic Chemistry, 2014, 79, 3704-3708.	3.2	23
70	Through-the-Annulus Threading of the Larger Calix[8]arene Macrocycle. Journal of Organic Chemistry, 2013, 78, 7627-7638.	3.2	37
71	Catenation of Calixarene Annulus. Organic Letters, 2013, 15, 116-119.	4.6	35
72	Pseudorotaxanes with Self-Sorted Sequence and Stereochemical Orientation. Angewandte Chemie - International Edition, 2013, 52, 7437-7441.	13.8	89

#	ARTICLE	IF	CITATIONS
73	An Oriented Handcuff Rotaxane. <i>Organic Letters</i> , 2013, 15, 5694-5697.	4.6	28
74	Introduction of Glyco, Peptido, Carboxy, and Alkyno Substituents at the Calixarene Exo Rim via the p-Bromodienone Route. <i>Journal of Organic Chemistry</i> , 2012, 77, 3634-3639.	3.2	30
75	Alkylammonium Cation Complexation into the Narrow Cavity of Dihomooxacalix[4]arene Macrocyclic. <i>Journal of Organic Chemistry</i> , 2012, 77, 10285-10293.	3.2	38
76	Stereoprogrammed Direct Synthesis of Calixarene-Based [3]Rotaxanes. <i>Organic Letters</i> , 2012, 14, 3104-3107.	4.6	46
77	Conformational Features and Recognition Properties of a Conformationally Blocked Calix[7]arene Derivative. <i>Chemistry - A European Journal</i> , 2012, 18, 1219-1230.	3.3	35
78	Fixed or Invertible Calixarene-Based Directional Shuttles. <i>Organic Letters</i> , 2011, 13, 2650-2653.	4.6	47
79	Regioselective <i>o</i> -Substitution of <i>C</i> -Undecylresorcin[4]arene. <i>Organic Letters</i> , 2011, 13, 4842-4845.	4.6	12
80	Sequence Stereoisomerism in Calixarene-Based Pseudo[3]rotaxanes. <i>Organic Letters</i> , 2011, 13, 2098-2101.	4.6	48
81	Electrochemistry and ion-sensing properties of calix[4]arene derivatives. <i>Electrochimica Acta</i> , 2010, 55, 7036-7043.	5.2	8
82	Absolute Configuration Assignment of Inherently Chiral Calix[4]arenes using DFT Calculations of Chiroptical Properties. <i>Organic Letters</i> , 2010, 12, 2912-2915.	4.6	33
83	Calixpyrrole Derivatives: $\pi$ -Multi Hydrogen Bond $\pi$ -Catalysts for $\beta^3$ -Butenolide Synthesis. <i>Molecules</i> , 2009, 14, 2594-2601.	3.8	24
84	A New Organocatalytic Approach to Substituted Unsaturated Lactams. <i>Letters in Organic Chemistry</i> , 2009, 6, 301-305.	0.5	18