

Giuseppe Gattuso

List of Publications by Year in descending order

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109
papers

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109311

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114
all docs

114
docs citations

114
times ranked

4426
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavonoid Composition of Citrus Juices. <i>Molecules</i> , 2007, 12, 1641-1673.	3.8	540
2	Flavanones: Citrus phytochemical with health-promoting properties. <i>BioFactors</i> , 2017, 43, 495-506.	5.4	247
3	Flavonoid Glycosides in Bergamot Juice (<i>Citrus bergamia</i> Risso). <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 3929-3935.	5.2	124
4	Synthetic Cyclic Oligosaccharides. <i>Chemical Reviews</i> , 1998, 98, 1919-1958.	47.7	123
5	Carbohydrate Nanotubes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1451-1454.	4.4	107
6	Flavonoid Composition and Antioxidant Activity of Juices from Chinotto (<i>Citrus myrtifolia</i> Raf.) Fruits at Different Ripening Stages. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 3031-3036.	5.2	101
7	Distribution of C- and O-glycosyl flavonoids, (3-hydroxy-3-methylglutaryl)glycosyl flavanones and furocoumarins in <i>Citrus aurantium</i> L. juice. <i>Food Chemistry</i> , 2011, 124, 576-582.	8.2	101
8	Kumquat (<i>Fortunella japonica</i> Swingle) juice: Flavonoid distribution and antioxidant properties. <i>Food Research International</i> , 2011, 44, 2190-2197.	6.2	100
9	Counterion-Dependent Proton-Driven Self-Assembly of Linear Supramolecular Oligomers Based on Amino-Calix[5]arene Building Blocks. <i>Chemistry - A European Journal</i> , 2007, 13, 8164-8173.	3.3	84
10	Citrus Flavones: An Update on Sources, Biological Functions, and Health Promoting Properties. <i>Plants</i> , 2020, 9, 288.	3.5	84
11	Food flavonols: Nutraceuticals with complex health benefits and functionalities. <i>Trends in Food Science and Technology</i> , 2021, 117, 194-204.	15.1	81
12	Flavonoid profile and radical-scavenging activity of Mediterranean sweet lemon (<i>Citrus limetta</i> Risso) juice. <i>Food Chemistry</i> , 2011, 129, 417-422.	8.2	80
13	Botanical Sources, Chemistry, Analysis, and Biological Activity of Furanocoumarins of Pharmaceutical Interest. <i>Molecules</i> , 2019, 24, 2163.	3.8	69
14	Distribution of Flavonoids and Furocoumarins in Juices from Cultivars of <i>Citrus bergamia</i> Risso. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 9921-9927.	5.2	68
15	Inclusion Networks of a Calix[5]arene-Based Exoditopic Receptor and Long-Chain Alkyldiammonium Ions. <i>Organic Letters</i> , 2003, 5, 4025-4028.	4.6	66
16	A Calix[5]arene-Based Heterotetrapotic Host for Molecular Recognition of Long-Chain, Ion-Paired β -Alkanediylidiammonium Salts. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4892-4896.	13.8	66
17	C- and O-glycosyl flavonoids in Sanguinello and Tarocco blood orange (<i>Citrus sinensis</i> (L.) Osbeck) juice: Identification and influence on antioxidant properties and acetylcholinesterase activity. <i>Food Chemistry</i> , 2016, 196, 619-627.	8.2	64
18	Elucidation of the flavonoid and furocoumarin composition and radical-scavenging activity of green and ripe chinotto (<i>Citrus myrtifolia</i> Raf.) fruit tissues, leaves and seeds. <i>Food Chemistry</i> , 2011, 129, 1504-1512.	8.2	62

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19	A "clicked"™ macrocyclic probe incorporating Binol as the signalling unit for the chiroptical sensing of anions. <i>Tetrahedron</i> , 2012, 68, 7861-7866.	1.9	62
20	First evidence of C- and O-glycosyl flavone in blood orange (<i>Citrus sinensis</i> (L.) Osbeck) juice and their influence on antioxidant properties. <i>Food Chemistry</i> , 2014, 149, 244-252.	8.2	61
21	Anion-Assisted Supramolecular Polymerization: From Achiral AB-Type Monomers to Chiral Assemblies. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11956-11961.	13.8	60
22	A Novel Approach to the Synthesis of Some Chemically-Modified Cyclodextrins. <i>Journal of Organic Chemistry</i> , 1995, 60, 3898-3903.	3.2	59
23	Self-Assembly Dynamics of Modular Homoditopic Bis-calix[5]arenes and Long-Chain β -Alkanediyl-diammonium Components. <i>Journal of Organic Chemistry</i> , 2008, 73, 7280-7289.	3.2	57
24	Shape Recognition of Alkylammonium Ions by 1,3-Bridged Calix[5]arene Crown-6 Ethers: Endo-vs-Exo-Cavity Complexation. <i>Journal of Organic Chemistry</i> , 2002, 67, 684-692.	3.2	56
25	Polymethoxylated, C- and O-glycosyl flavonoids in tangelo (<i>Citrus reticulata</i> — <i>Citrus paradisi</i>) juice and their influence on antioxidant properties. <i>Food Chemistry</i> , 2013, 141, 1481-1488.	8.2	51
26	Remarkable Boosting of the Binding of Ion-Paired Organic Salts by Binary Host Systems The authors thank MURST (PRIN 2000 project) for financial support of this work.. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2122.	13.8	43
27	Calix[5]arene-Based Heteroditopic Receptor for 2-Phenylethylamine Hydrochloride. <i>Journal of Organic Chemistry</i> , 2009, 74, 4350-4353.	3.2	43
28	Shape selectivity in the synthesis of chiral macrocyclic amides. <i>Tetrahedron</i> , 2010, 66, 4206-4211.	1.9	42
29	Dipyridinocalixcrown/diiodoperfluorocarbon binary host systems for CsI: structural studies and fluoruous phase extraction of caesium. <i>Tetrahedron</i> , 2007, 63, 4951-4958.	1.9	40
30	Threading the Calix[5]arene Annulus. <i>Chemistry - A European Journal</i> , 2010, 16, 2381-2385.	3.3	40
31	A Chiroptical Probe for Sensing Metal Ions in Water. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6078-6083.	2.4	40
32	Ion-pair separation via selective inclusion/segregation processes. <i>CrystEngComm</i> , 2009, 11, 1204.	2.6	38
33	A supramolecular amphiphile from a new water-soluble calix[5]arene and n-dodecylammonium chloride. <i>Tetrahedron Letters</i> , 2013, 54, 188-191.	1.4	38
34	Clementine juice has the potential for drug interactions " In vitro comparison with grapefruit and mandarin juice. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 97, 247-256.	4.0	38
35	Conversion of .alpha.-Keto Esters into .beta.,.beta.-Difluoro-.alpha.-keto Esters and Corresponding Acids: A Simple Route to a Novel Class of Serine Protease Inhibitors. <i>Journal of Organic Chemistry</i> , 1995, 60, 5174-5179.	3.2	37
36	Hybrid Calixarene/Inorganic Salt/Diiodoperfluorocarbon Supramolecular Assemblies. <i>Supramolecular Chemistry</i> , 2006, 18, 235-243.	1.2	36

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37	Achiral Cyclodextrin Analogues. <i>Chemistry - A European Journal</i> , 1997, 3, 1299-1314.	3.3	35
38	Guest-induced capsular assembly of calix[5]arenes. <i>Tetrahedron Letters</i> , 2002, 43, 7663-7667.	1.4	35
39	Kohlenhydrat- β -Nanoröhren. <i>Angewandte Chemie</i> , 1997, 109, 1615-1617.	2.0	32
40	Optical Recognition of n-Butylammonium and 1,5-Pentanediammonium Picrates by a Calix[5]arene Monolayer Covalently Assembled on Silica Substrates. <i>Chemistry of Materials</i> , 2010, 22, 2829-2834.	6.7	32
41	Selective Amine Recognition Driven by Host-Guest Proton Transfer and Salt Bridge Formation. <i>Journal of Organic Chemistry</i> , 2012, 77, 9668-9675.	3.2	30
42	Encapsulation of monoamine neurotransmitters and trace amines by amphiphilic anionic calix[5]arene micelles. <i>New Journal of Chemistry</i> , 2014, 38, 5983-5990.	2.8	28
43	Sequence, Stoichiometry, and Dimensionality Control in Porphyrin/Bis-calix[4]arene Self-Assemblies in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2010, 16, 10439-10446.	3.3	27
44	Calix[5]crown-3-based heteroditopic receptors for n-butylammonium halides. <i>Tetrahedron</i> , 2010, 66, 4987-4993.	1.9	27
45	Lower rim arylation of calix[n]arenes with extended perfluorinated domains. <i>Tetrahedron Letters</i> , 2006, 47, 9049-9052.	1.4	26
46	Complexation of biologically active amines by a water-soluble calix[5]arene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1073-1079.	3.6	26
47	A water-soluble pillar[5]arene as a new carrier for an old drug. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3192-3195.	2.8	26
48	Biotechnological Applications and Health-Promoting Properties of Flavonols: An Updated View. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1710.	4.1	26
49	Induction of chirality in porphyrin-(bis)calixarene assemblies: a mixed covalent/non-covalent vs a fully non-covalent approach. <i>Chemical Communications</i> , 2012, 48, 4046.	4.1	25
50	Probing the Inner Space of Salt-Bridged Calix[5]arene Capsules. <i>Organic Letters</i> , 2014, 16, 2354-2357.	4.6	25
51	Unique binding behaviour of water-soluble polycationic oxacalix[4]arene tweezers towards the paraquat dication. <i>Chemical Communications</i> , 2015, 51, 12657-12660.	4.1	25
52	Halogen bonding-based anion coordination in calixarene/inorganic halide/diodoperfluorocarbon assemblies. <i>Supramolecular Chemistry</i> , 2009, 21, 149-156.	1.2	23
53	Self-assembly of amphiphilic anionic calix[4]arenes and encapsulation of poorly soluble naproxen and flurbiprofen. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6468-6473.	2.8	23
54	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

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55	Antiadhesive and antibacterial properties of pillar[5]arene-based multilayers. <i>Chemical Communications</i> , 2018, 54, 10203-10206.	4.1	23
56	Picturing the induced fit of calix[5]arenes upon n-alkylammonium cation binding. <i>CrystEngComm</i> , 2012, 14, 2621.	2.6	22
57	Selective recognition of biogenic amine hydrochlorides by heteroditopic dihomooxalix[4]arenes. <i>New Journal of Chemistry</i> , 2015, 39, 817-821.	2.8	22
58	Dipotassium Complex of Per-3,6-anhydro- β -cyclodextrin. <i>Journal of Organic Chemistry</i> , 1996, 61, 9553-9555.	3.2	21
59	FTIR, ESI-MS, VT-NMR and SANS study of trehalose thermal stabilization of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2014, 63, 225-232.	7.5	21
60	Nobiletin, sinensetin, and tangeretin are the main perpetrators in clementines provoking food-drug interactions in vitro. <i>Food Chemistry</i> , 2020, 319, 126578.	8.2	21
61	Self-Assembled Calixarene Derivative as a Supramolecular Polymer. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5537-5541.	2.6	20
62	Photoisomerizable azobenzene-containing oxalixarenes. <i>Tetrahedron Letters</i> , 2012, 53, 616-619.	1.4	18
63	Host-Guest Chemistry of Aromatic Amide-Linked Bis- and Tris-Calix[4]pyrroles with Bis-Carboxylates and Citrate Anion. <i>Chemistry - A European Journal</i> , 2014, 20, 1658-1668.	3.3	18
64	Supramolecular AA/BB-type oligomer formation from a heterotetratopic bis-calix[5]arene monomer and octanediyldiammonium dichloride. <i>Tetrahedron Letters</i> , 2011, 52, 7116-7120.	1.4	17
65	A Viable Route for Lithium Ion Detection. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 442-449.	2.0	16
66	Chemically modified tetranitro-oxalix[4]arenes: Synthesis and conformational preferences of tetra-N-(1-octyl)ureido-oxalix[4]arenes. <i>Arkivoc</i> , 2009, 2009, 199-211.	0.5	16
67	Recognition and binding of paraquat dichloride by cyclodextrin/calix[6]pyrrole binary host systems. <i>Tetrahedron Letters</i> , 2002, 43, 8103-8106.	1.4	15
68	Synthesis of BINOL-containing oxalix[4]arenes. <i>Tetrahedron Letters</i> , 2011, 52, 1351-1353.	1.4	15
69	Recognition in water of bioactive substrates by a sulphonato <i>p</i> -tert-butylcalix[5]arene. <i>Supramolecular Chemistry</i> , 2014, 26, 597-600.	1.2	15
70	Complexation of environmentally and biologically relevant metals with bifunctional 3-hydroxy-4-pyridinones. <i>Journal of Molecular Liquids</i> , 2020, 319, 114349.	4.9	15
71	Synthesis and anion recognition properties of shape-persistent binaphthyl-containing chiral macrocyclic amides. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 967-976.	2.2	14
72	Thermodynamic Properties of O-Donor Polyelectrolytes: Determination of the Acid-Base and Complexing Parameters in Different Ionic Media at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 2676-2688.	1.9	14

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73	Tuning the aggregation of an amphiphilic anionic calix[5]arene by selective host-guest interactions with bola-type dications. <i>New Journal of Chemistry</i> , 2019, 43, 7628-7635.	2.8	14
74	A new bis-(3-hydroxy-4-pyridinone)-DTPA-derivative: Synthesis, complexation of di-/tri-valent metal cations and in vivo M3+ sequestering ability. <i>Journal of Molecular Liquids</i> , 2019, 281, 280-294.	4.9	14
75	Speciation Studies of Bifunctional 3-Hydroxy-4-Pyridinone Ligands in the Presence of Zn ²⁺ at Different Ionic Strengths and Temperatures. <i>Molecules</i> , 2019, 24, 4084.	3.8	14
76	A DFT study on a calix[5]crown-based heteroditopic receptor. <i>Supramolecular Chemistry</i> , 2010, 22, 358-364.	1.2	13
77	Orthogonal chain length control in calix[5]arene-based AB-type supramolecular polymers. <i>Tetrahedron Letters</i> , 2011, 52, 6460-6464.	1.4	13
78	Remarkable Boosting of the Binding of Ion-Paired Organic Salts by Binary Host Systems The authors thank MURST (PRIN 2000 project) for financial support of this work.. <i>Angewandte Chemie</i> , 2002, 114, 2226.	2.0	12
79	Hydrogen bond-assisted solid-state formation of a salt-bridged calix[5]arene pseudo-dimer. <i>CrystEngComm</i> , 2014, 16, 89-93.	2.6	12
80	Porphyrim stacks as an efficient molecular glue to induce chirality in hetero-component calixarene-porphyrin assemblies. <i>New Journal of Chemistry</i> , 2017, 41, 8078-8083.	2.8	12
81	New bis-(3-hydroxy-4-pyridinone)-NTA-derivative: Synthesis, binding ability towards Ca ²⁺ , Cu ²⁺ , Zn ²⁺ , Al ³⁺ , Fe ³⁺ and biological assays. <i>Journal of Molecular Liquids</i> , 2018, 272, 609-624.	4.9	12
82	Quantitative study on the non-covalent interactions between ATP and caffeine, theophylline and theobromine in aqueous solution. <i>Fluid Phase Equilibria</i> , 2011, 308, 47-54.	2.5	11
83	Amino Surface-Functionalized Tris(calix[4]arene) Dendrons with Rigid C ₃ -Symmetric Propeller Cores. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5696-5703.	2.4	11
84	Hydrophobic interactions in the formation of a complex between a polycationic water-soluble oxacalix[4]arene and a neutral aromatic guest. <i>Supramolecular Chemistry</i> , 2016, 28, 493-498.	1.2	11
85	Encapsulation of biogenic polyamines by carboxylcalix[5]arenes: when solid-state design beats recognition in solution. <i>CrystEngComm</i> , 2016, 18, 5012-5016.	2.6	10
86	Self-Assembly of Discrete Porphyrin/Calix[4]tube Complexes Promoted by Potassium Ion Encapsulation. <i>Molecules</i> , 2021, 26, 704.	3.8	9
87	Threading Cyclodextrins in Chloroform: A [2]Pseudorotaxane. <i>International Journal of Molecular Sciences</i> , 2007, 8, 1052-1063.	4.1	8
88	±, % -Alkanediyldiammonium dications sealed within calix[5]arene capsules with a hydrophobic bayonet-mount fastening. <i>CrystEngComm</i> , 2015, 17, 7915-7921.	2.6	8
89	Novel PEGylated calix[5]arenes as carriers for Rose Bengal. <i>Supramolecular Chemistry</i> , 2018, 30, 658-663.	1.2	7
90	Ring/Chain Morphology Control in Overall Neutral, Internally Ion-Paired Supramolecular Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, 1097-1103.	3.3	7

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91	Guest-length driven high fidelity self-sorting in supramolecular capsule formation of calix[5]arenes in water. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3804-3809.	4.5	7
92	Stimuli-Responsive Internally Ion-Paired Supramolecular Polymer Based on a Bis-pillar[5]arene Dicarboxylic Acid Monomer. <i>Journal of Organic Chemistry</i> , 2021, 86, 1676-1684.	3.2	7
93	Reversible Molecular Recognition of a Bis-calix[5]arene Host Driven by a Photoresponsive Guest. <i>Chemistry - an Asian Journal</i> , 2012, 7, 50-54.	3.3	6
94	Spectroscopic Determination of Lysozyme Conformational Changes in the Presence of Trehalose and Guanidine. <i>Cell Biochemistry and Biophysics</i> , 2013, 66, 297-307.	1.8	6
95	Recognition and optical sensing of amines by a quartz-bound 7-chloro-4-quinolylazopillar[5]arene monolayer. <i>RSC Advances</i> , 2018, 8, 33269-33275.	3.6	6
96	Photoinduced electron transfer in host-guest interactions of a viologen derivative with a didansyl-pillar[5]arene. <i>Materials Today Chemistry</i> , 2022, 24, 100841.	3.5	6
97	Flavonoid C-glycosides in Citrus Juices from Southern Italy: Distribution and Influence on the Antioxidant Activity. <i>ACS Symposium Series</i> , 2014, , 189-200.	0.5	5
98	Kinetic control in the formation of meso-dithia[3.3]-paracyclophane S,S-dioxide. <i>Tetrahedron Letters</i> , 2014, 55, 5096-5100.	1.4	5
99	Calix[5]arene-based Supramolecular Polymers. <i>Current Organic Chemistry</i> , 2015, 19, 2271-2280.	1.6	5
100	Serendipitous one-pot formation of an unusual calix[5]arene-bis-crown-3 receptor. <i>Tetrahedron Letters</i> , 2008, 49, 7146-7148.	1.4	4
101	Flavonoids and Furocoumarins in Bergamot, Myrtle-Leaved Orange, and Sour Orange Juices: Distribution and Properties. <i>ACS Symposium Series</i> , 2012, , 17-35.	0.5	3
102	Self-sorting assembly of a calixarene/crown ether polypseudorotaxane gated by ion-pairing. <i>New Journal of Chemistry</i> , 2019, 43, 7936-7940.	2.8	3
103	How do fluoride ions bind to tetrathiacalix[2]arene[2]triazines?. <i>Tetrahedron Letters</i> , 2020, 61, 151911.	1.4	3
104	Synthesis and properties of a new family of cyclodextrin analogues. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1996, 25, 47-52.	1.6	2
105	Flavonoid and Antioxidant Properties of Fruits Belonging to the Annona and Citrus Genera. <i>ACS Symposium Series</i> , 2013, , 103-119.	0.5	2
106	A follow-up report on potential drug interactions with clementines: Two single case experiments show no effect on CYP3A-dependent midazolam clearance. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 133, 54-58.	4.0	2
107	31-Benzyloxy-5,11,17,23,29-penta-tert-butylcalix[5]arene-32,33,34,35-tetraol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3423-o3423.	0.2	1
108	Juice Analysis in Citrus: Latest Developments. , 2012, , 89-99.		1

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109	Analysis of C-Glycosyl Flavones and 3-Hydroxy-3-methylglutaryl-glycosyl Derivatives in Blood Oranges (<i>Citrus sinensis</i> (L.) Osbeck) Juices and Their Influence on Biological Activity. ACS Symposium Series, 2018, , 67-80.	0.5	1