

Giuseppe Gattuso

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111
papers

3,376
citations

33
h-index

53
g-index

114
ext. papers

3,729
ext. citations

5
avg, IF

4.95
L-index

#	Paper	IF	Citations
111	Flavonoid composition of Citrus juices. <i>Molecules</i> , 2007 , 12, 1641-73	4.8	426
110	Flavanones: Citrus phytochemical with health-promoting properties. <i>BioFactors</i> , 2017 , 43, 495-506	6.1	157
109	Synthetic Cyclic Oligosaccharides. <i>Chemical Reviews</i> , 1998 , 98, 1919-1958	68.1	109
108	Flavonoid glycosides in bergamot juice (Citrus bergamia Risso). <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 3929-35	5.7	102
107	Distribution of C- and O-glycosyl flavonoids, (3-hydroxy-3-methylglutaryl)glycosyl flavanones and furocoumarins in Citrus aurantium L. juice. <i>Food Chemistry</i> , 2011 , 124, 576-582	8.5	93
106	Flavonoid composition and antioxidant activity of juices from Chinotto (Citrus x myrtifolia Raf.) fruits at different ripening stages. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 3031-6	5.7	92
105	Carbohydrate Nanotubes. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1451-1454		91
104	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, 8164-73	4.8	82
103	Kumquat (Fortunella japonica Swingle) juice: Flavonoid distribution and antioxidant properties. <i>Food Research International</i> , 2011 , 44, 2190-2197	7	77
102	Flavonoid profile and radical-scavenging activity of Mediterranean sweet lemon (Citrus limetta Risso) juice. <i>Food Chemistry</i> , 2011 , 129, 417-422	8.5	69
101	A calix[5]arene-based heterotetrotopic host for molecular recognition of long-chain, ion-paired alpha,omega-alkanediyl diammonium salts. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4892-6	16.4	65
100	Inclusion networks of a calix[5]arene-based exoditopic receptor and long-chain alkyldiammonium ions. <i>Organic Letters</i> , 2003 , 5, 4025-8	6.2	62
99	Distribution of flavonoids and furocoumarins in juices from cultivars of Citrus bergamia Risso. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 9921-7	5.7	60
98	A clicked macrocyclic probe incorporating Binol as the signalling unit for the chiroptical sensing of anions. <i>Tetrahedron</i> , 2012 , 68, 7861-7866	2.4	59
97	Anion-assisted supramolecular polymerization: from achiral AB-type monomers to chiral assemblies. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11956-61	16.4	53
96	Elucidation of the flavonoid and furocoumarin composition and radical-scavenging activity of green and ripe chinotto (Citrus myrtifolia Raf.) fruit tissues, leaves and seeds. <i>Food Chemistry</i> , 2011 , 129, 1504-1512	8.5	53
95	Self-assembly dynamics of modular homoditopic bis-calix[5]arenes and long-chain alpha,omega-alkanediyl diammonium components. <i>Journal of Organic Chemistry</i> , 2008 , 73, 7280-9	4.2	53

94	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, 684-92	4.2	53
93	A Novel Approach to the Synthesis of Some Chemically-Modified Cyclodextrins. <i>Journal of Organic Chemistry</i> , 1995 , 60, 3898-3903	4.2	52
92	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, 244-52	8.5	49
91	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, 619-27	8.5	47
90	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, 1481-8	8.5	44
89	Calix[5]arene-based heteroditopic receptor for 2-phenylethylamine hydrochloride. <i>Journal of Organic Chemistry</i> , 2009 , 74, 4350-3	4.2	43
88	Flavones: An Update on Sources, Biological Functions, and Health Promoting Properties. <i>Plants</i> , 2020 , 9,	4.5	41
87	Remarkable boosting of the binding of ion-paired organic salts by binary host systems. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2122-6	16.4	41
86	Threading the calix[5]arene annulus. <i>Chemistry - A European Journal</i> , 2010 , 16, 2381-5	4.8	40
85	Dipyridinocalixcrown/diiodoperfluorocarbon binary host systems for CsI: structural studies and fluoruous phase extraction of caesium. <i>Tetrahedron</i> , 2007 , 63, 4951-4958	2.4	39
84	A supramolecular amphiphile from a new water-soluble calix[5]arene and n-dodecylammonium chloride. <i>Tetrahedron Letters</i> , 2013 , 54, 188-191	2	38
83	A Chiroptical Probe for Sensing Metal Ions in Water. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 6078-6083	3.2	37
82	Ion-pair separation via selective inclusion/segregation processes. <i>CrystEngComm</i> , 2009 , 11, 1204	3.3	37
81	Shape selectivity in the synthesis of chiral macrocyclic amides. <i>Tetrahedron</i> , 2010 , 66, 4206-4211	2.4	37
80	Hybrid Calixarene/Inorganic Salt/Diiodoperfluorocarbon Supramolecular Assemblies. <i>Supramolecular Chemistry</i> , 2006 , 18, 235-243	1.8	36
79	Botanical Sources, Chemistry, Analysis, and Biological Activity of Furanocoumarins of Pharmaceutical Interest. <i>Molecules</i> , 2019 , 24,	4.8	34
78	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	5.1	33
77	Guest-induced capsular assembly of calix[5]arenes. <i>Tetrahedron Letters</i> , 2002 , 43, 7663-7667	2	33

76	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	9.6	32
75	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	4.2	31
74	Achiral Cyclodextrin Analogues. <i>Chemistry - A European Journal</i> , 1997 , 3, 1299-1314	4.8	29
73	Selective amine recognition driven by host-guest proton transfer and salt bridge formation. <i>Journal of Organic Chemistry</i> , 2012 , 77, 9668-75	4.2	28
72	Encapsulation of monoamine neurotransmitters and trace amines by amphiphilic anionic calix[5]arene micelles. <i>New Journal of Chemistry</i> , 2014 , 38, 5983-5990	3.6	27
71	Sequence, stoichiometry, and dimensionality control in porphyrin/bis-calix[4]arene self-assemblies in aqueous solution. <i>Chemistry - A European Journal</i> , 2010 , 16, 10439-46	4.8	26
70	Probing the inner space of salt-bridged calix[5]arene capsules. <i>Organic Letters</i> , 2014 , 16, 2354-7	6.2	25
69	Calix[5]crown-3-based heteroditopic receptors for n-butylammonium halides. <i>Tetrahedron</i> , 2010 , 66, 4987-4993	2.4	25
68	Lower rim arylation of calix[n]arenes with extended perfluorinated domains. <i>Tetrahedron Letters</i> , 2006 , 47, 9049-9052	2	25
67	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, 4046-8	5.8	24
66	Unique binding behaviour of water-soluble polycationic oxacalix[4]arene tweezers towards the paraquat dication. <i>Chemical Communications</i> , 2015 , 51, 12657-60	5.8	23
65	Complexation of biologically active amines by a water-soluble calix[5]arene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 1073-1079	4.1	23
64	Picturing the induced fit of calix[5]arenes upon n-alkylammonium cation binding. <i>CrystEngComm</i> , 2012 , 14, 2621	3.3	22
63	Halogen bonding-based anion coordination in calixarene/inorganic halide/diodoperfluorocarbon assemblies. <i>Supramolecular Chemistry</i> , 2009 , 21, 149-156	1.8	22
62	Kohlenhydrat-Nanoröhren. <i>Angewandte Chemie</i> , 1997 , 109, 1615-1617	3.6	21
61	A water-soluble pillar[5]arene as a new carrier for an old drug. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 3192-3195	3.9	20
60	Dipotassium Complex of Per-3,6-anhydro- β -cyclodextrin. <i>Journal of Organic Chemistry</i> , 1996 , 61, 9553-9554	4.2	20
59	Self-assembly of amphiphilic anionic calix[4]arenes and encapsulation of poorly soluble naproxen and flurbiprofen. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 6468-73	3.9	19

58	Self-assembled calixarene derivative as a supramolecular polymer. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5537-41	3.4	19
57	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	4.2	18
56	Selective recognition of biogenic amine hydrochlorides by heteroditopic dihomooxalix[4]arenes. <i>New Journal of Chemistry</i> , 2015 , 39, 817-821	3.6	18
55	FTIR, ESI-MS, VT-NMR and SANS study of trehalose thermal stabilization of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2014 , 63, 225-32	7.9	18
54	Antiadhesive and antibacterial properties of pillar[5]arene-based multilayers. <i>Chemical Communications</i> , 2018 , 54, 10203-10206	5.8	17
53	Anion-Assisted Supramolecular Polymerization: From Achiral AB-Type Monomers to Chiral Assemblies. <i>Angewandte Chemie</i> , 2011 , 123, 12162-12167	3.6	17
52	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, 1658-68	4.8	16
51	Photoisomerizable azobenzene-containing oxalixarenes. <i>Tetrahedron Letters</i> , 2012 , 53, 616-619	2	16
50	Supramolecular AA/BB-type oligomer formation from a heterotetrotopic bis-calix[5]arene monomer and octanediyldiammonium dichloride. <i>Tetrahedron Letters</i> , 2011 , 52, 7116-7120	2	16
49	A Calix[5]arene-Based Heterotetrotopic Host for Molecular Recognition of Long-Chain, Ion-Paired β -Alkanediyldiammonium Salts. <i>Angewandte Chemie</i> , 2005 , 117, 4970-4974	3.6	16
48	Food flavonols: Nutraceuticals with complex health benefits and functionalities. <i>Trends in Food Science and Technology</i> , 2021 , 117, 194-194	15.3	16
47	Recognition in water of bioactive substrates by a sulphonato p-tert-butylcalix[5]arene. <i>Supramolecular Chemistry</i> , 2014 , 26, 597-600	1.8	15
46	Recognition and binding of paraquat dichloride by cyclodextrin/calix[6]pyrrole binary host systems. <i>Tetrahedron Letters</i> , 2002 , 43, 8103-8106	2	15
45	A Viable Route for Lithium Ion Detection. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 442-449	2.3	14
44	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	0.9	14
43	A DFT study on a calix[5]crown-based heteroditopic receptor. <i>Supramolecular Chemistry</i> , 2010 , 22, 358-368	3.6	13
42	Synthesis of BINOL-containing oxalix[4]arenes. <i>Tetrahedron Letters</i> , 2011 , 52, 1351-1353	2	13
41	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	3.6	12

- 40 Hydrogen bond-assisted solid-state formation of a salt-bridged calix[5]arene pseudo-dimer. *CrystEngComm*, **2014**, 16, 89-93 3.3 12
- 39 Synthesis and anion recognition properties of shape-persistent binaphthyl-containing chiral macrocyclic amides. *Beilstein Journal of Organic Chemistry*, **2012**, 8, 967-76 2.5 12
- 38 Orthogonal chain length control in calix[5]arene-based AB-type supramolecular polymers. *Tetrahedron Letters*, **2011**, 52, 6460-6464 2 12
- 37 Remarkable Boosting of the Binding of Ion-Paired Organic Salts by Binary Host Systems. *Angewandte Chemie*, **2002**, 114, 2226 3.6 12
- 36 Quantitative study on the non-covalent interactions between ATP and caffeine, theophylline and theobromine in aqueous solution. *Fluid Phase Equilibria*, **2011**, 308, 47-54 2.5 11
- 35 Nobiletin, sinensetin, and tangeretin are the main perpetrators in clementines provoking food-drug interactions in vitro. *Food Chemistry*, **2020**, 319, 126578 8.5 10
- 34 Encapsulation of biogenic polyamines by carboxylcalix[5]arenes: when solid-state design beats recognition in solution. *CrystEngComm*, **2016**, 18, 5012-5016 3.3 10
- 33 Amino Surface-Functionalized Tris(calix[4]arene) Dendrons with Rigid C3-Symmetric Propeller Cores. *European Journal of Organic Chemistry*, **2011**, 2011, 5696-5703 3.2 10
- 32 Alkanediyldiammonium dications sealed within calix[5]arene capsules with a hydrophobic bayonet-mount fastening. *CrystEngComm*, **2015**, 17, 7915-7921 3.3 8
- 31 Hydrophobic interactions in the formation of a complex between a polycationic water-soluble oxacalix[4]arene and a neutral aromatic guest. *Supramolecular Chemistry*, **2016**, 28, 493-498 1.8 8
- 30 Porphyrin stacks as an efficient molecular glue to induce chirality in hetero-component calixareneporphyrin assemblies. *New Journal of Chemistry*, **2017**, 41, 8078-8083 3.6 8
- 29 Thermodynamic Properties of O-Donor Polyelectrolytes: Determination of the AcidBase and Complexing Parameters in Different Ionic Media at Different Temperatures. *Journal of Chemical & Engineering Data*, **2017**, 62, 2676-2688 2.8 7
- 28 Novel PEGylated calix[5]arenes as carriers for Rose Bengal. *Supramolecular Chemistry*, **2018**, 30, 658-663 1.8 6
- 27 Reversible molecular motion of a bis-calix[5]arene host driven by a photoresponsive guest. *Chemistry - an Asian Journal*, **2012**, 7, 50-4 4.5 6
- 26 Guest-length driven high fidelity self-sorting in supramolecular capsule formation of calix[5]arenes in water. *Organic Chemistry Frontiers*, **2019**, 6, 3804-3809 5.2 6
- 25 Ring/Chain Morphology Control in Overall-Neutral, Internally Ion-Paired Supramolecular Polymers. *Chemistry - A European Journal*, **2018**, 24, 1097-1103 4.8 6
- 24 New bis-(3-hydroxy-4-pyridinone)-NTA-derivative: Synthesis, binding ability towards Ca²⁺, Cu²⁺, Zn²⁺, Al³⁺, Fe³⁺ and biological assays. *Journal of Molecular Liquids*, **2018**, 272, 609-624 6 6
- 23 Flavonoid C-glycosides in Citrus Juices from Southern Italy: Distribution and Influence on the Antioxidant Activity. *ACS Symposium Series*, **2014**, 189-200 0.4 5

22	Spectroscopic determination of lysozyme conformational changes in the presence of trehalose and guanidine. <i>Cell Biochemistry and Biophysics</i> , 2013 , 66, 297-307	3.2	5
21	Threading Cyclodextrins in Chloroform: A [2]Pseudorotaxane. <i>International Journal of Molecular Sciences</i> , 2007 , 8, 1052-1063	6.3	5
20	Calix[5]arene-based Supramolecular Polymers. <i>Current Organic Chemistry</i> , 2015 , 19, 2271-2280	1.7	5
19	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	3.7	5
18	Kinetic control in the formation of meso-dithia[3.3]-paracyclophane S,S?-dioxide. <i>Tetrahedron Letters</i> , 2014 , 55, 5096-5100	2	4
17	Serendipitous one-pot formation of an unusual calix[5]arene-bis-crown-3 receptor. <i>Tetrahedron Letters</i> , 2008 , 49, 7146-7148	2	4
16	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	4.2	4
15	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	6	4
14	Flavonoids and Furocoumarins in Bergamot, Myrtle-Leaved Orange, and Sour Orange Juices: Distribution and Properties. <i>ACS Symposium Series</i> , 2012 , 17-35	0.4	3
13	Self-Assembly of Discrete Porphyrin/Calix[4]tube Complexes Promoted by Potassium Ion Encapsulation. <i>Molecules</i> , 2021 , 26,	4.8	3
12	Self-sorting assembly of a calixarene/crown ether polypseudorotaxane gated by ion-pairing. <i>New Journal of Chemistry</i> , 2019 , 43, 7936-7940	3.6	2
11	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	5.1	2
10	Synthesis and properties of a new family of cyclodextrin analogues. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1996 , 25, 47-52		2
9	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	6.2	2
8	Calix[5]arene: from Capsules to Polymers 2016 , 95-111		1
7	Juice Analysis in Citrus: Latest Developments 2012 , 89-99		1
6	Flavonoid and Antioxidant Properties of Fruits Belonging to the Annona and Citrus Genera. <i>ACS Symposium Series</i> , 2013 , 103-119	0.4	1
5	31-Benz-yloxy-5,11,17,23,29-penta-tert-butyl-calix[5]arene-32,33,34,35-tetra-ol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o3423		1

4	Complexation of environmentally and biologically relevant metals with bifunctional 3-hydroxy-4-pyridinones. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114349	6	1
3	Speciation Studies of Bifunctional 3-Hydroxy-4-Pyridinone Ligands in the Presence of Zn at Different Ionic Strengths and Temperatures. <i>Molecules</i> , 2019 , 24,	4.8	1
2	How do fluoride ions bind to tetrathiacalix[2]arene[2]triazines?. <i>Tetrahedron Letters</i> , 2020 , 61, 151911	2	1
1	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. <i>ACS Symposium Series</i> , 2018 , 67-80	0.4	