

Nuno Baslio

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

1,409
citations

23
h-index

32
g-index

105
ext. papers

1,625
ext. citations

4.9
avg, IF

5.12
L-index

#	Paper	IF	Citations
92	A Photoswitchable Chalcone-Carbohydrate Conjugate Obtained by CuAAC Click Reaction. <i>Compounds</i> , 2022 , 2, 111-120		0
91	Natural and Synthetic Flavylum-Based Dyes: The Chemistry Behind the Color. <i>Chemical Reviews</i> , 2021 ,	68.1	15
90	Achieving Complexity at the Bottom: Molecular Metamorphosis Generated by Anthocyanins and Related Compounds. <i>ACS Omega</i> , 2021 , 6, 30172-30188	3.9	1
89	Light- and pH-regulated Water-soluble Pseudorotaxanes Comprising a Cucurbit[7]uril and a Flavylum-based Axle. <i>Chemistry - A European Journal</i> , 2021 , 27, 16512-16522	4.8	1
88	Evolution of Flavylum-Based Color Systems in Plants: What Physical Chemistry Can Tell Us. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
87	Photoresponsive Binding Dynamics in High-Affinity Cucurbit[8]uril-Dithienylethene Host-Guest Complexes. <i>Chemistry - A European Journal</i> , 2021 , 27, 9550-9555	4.8	4
86	Toward Light-Controlled Supramolecular Peptide Dimerization. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8472-8478	4.2	1
85	On the Limits of Anthocyanins Co-Pigmentation Models and Respective Equations. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 1359-1367	5.7	7
84	Exploring the pH-dependent kinetics, thermodynamics and photochemistry of a flavylum-based pseudorotaxane. <i>Pure and Applied Chemistry</i> , 2021 ,	2.1	1
83	Copigmentation of anthocyanins with copigments possessing an acid-base equilibrium in moderately acidic solutions. <i>Dyes and Pigments</i> , 2021 , 193, 109438	4.6	3
82	Anthocyanin Color Stabilization by Host-Guest Complexation with -Sulfonatocalix[n]arenes. <i>Molecules</i> , 2021 , 26,	4.8	2
81	Strategies used by nature to fix the red, purple and blue colours in plants: a physical chemistry approach. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 24080-24101	3.6	1
80	Color stabilization of cyanidin-3-glucoside-based dyes by encapsulation with biocompatible PEGylated phospholipid micelles. <i>Dyes and Pigments</i> , 2020 , 181, 108592	4.6	8
79	Chemical signal cascading in a supramolecular network. <i>Chemical Communications</i> , 2020 , 56, 3737-3740	5.8	7
78	Selective Recognition of Amino Acids and Peptides by Small Supramolecular Receptors. <i>Molecules</i> , 2020 , 26,	4.8	9
77	Counterion effect on sulfonatocalix[n]arene recognition. <i>Pure and Applied Chemistry</i> , 2020 , 92, 25-37	2.1	4
76	A pseudorotaxane formed from a cucurbit[7]uril wheel and a bioinspired molecular axle with pH, light and redox-responsive properties. <i>Pure and Applied Chemistry</i> , 2020 , 92, 301-313	2.1	9

75	The peculiarity of malvidin 3-O-(6-O-p-coumaroyl) glucoside aggregation. Intra and intermolecular interactions. <i>Dyes and Pigments</i> , 2020 , 180, 108382	4.6	5
74	A Visible-Near-Infrared Light-Responsive Host-Guest Pair with Nanomolar Affinity in Water. <i>Chemistry - A European Journal</i> , 2019 , 25, 3477-3482	4.8	23
73	Ground and excited state properties of furanoflavylum derivatives. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21651-21662	3.6	5
72	Light-driven control of the composition of a supramolecular network. <i>Chemical Communications</i> , 2019 , 55, 4335-4338	5.8	17
71	Purple-fleshed sweet potato acylated anthocyanins: Equilibrium network and photophysical properties. <i>Food Chemistry</i> , 2019 , 288, 386-394	8.5	20
70	Binding of Flavylium Ions to Sulfonatocalix[4]arene and Implication in the Photorelease of Biologically Relevant Guests in Water. <i>Journal of Organic Chemistry</i> , 2019 , 84, 10852-10859	4.2	19
69	New Procedure To Calculate All Equilibrium Constants in Flavylium Compounds: Application to the Copigmentation of Anthocyanins. <i>ACS Omega</i> , 2019 , 4, 12058-12070	3.9	25
68	Impact of a Water-Soluble Gallic Acid-Based Dendrimer on the Color-Stabilizing Mechanisms of Anthocyanins. <i>Chemistry - A European Journal</i> , 2019 , 25, 11696-11706	4.8	12
67	Supramolecular surfactants derived from calixarenes. <i>Current Opinion in Colloid and Interface Science</i> , 2019 , 44, 225-237	7.6	10
66	Sulfonatocalixarene Counterion Exchange Binding Model in Action: Metal-Ion Catalysis Through Host-Guest Complexation. <i>ChemCatChem</i> , 2019 , 11, 5397-5404	5.2	4
65	Chapter 4:Rotaxanes and Polyrotaxanes. <i>RSC Smart Materials</i> , 2019 , 56-94	0.6	2
64	Unveiling the formation 1 : 2 supramolecular complexes between cucurbit[7]uril and a cationic calix[4]arene derivative. <i>Chemical Communications</i> , 2019 , 55, 13828-13831	5.8	6
63	Rationalizing the Color in Heavenly Blue Anthocyanin: A Complete Kinetic and Thermodynamic Study. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 4982-4992	3.4	21
62	pH-Gated photoresponsive shuttling in a water-soluble pseudorotaxane. <i>Chemical Communications</i> , 2018 , 54, 2743-2746	5.8	19
61	Colour modulation of blue anthocyanin-derivatives. Lignosulfonates as a tool to improve the water solubility of natural blue dyes. <i>Dyes and Pigments</i> , 2018 , 153, 150-159	4.6	7
60	Extending the stability of red and blue colors of malvidin-3-glucoside-lipophilic derivatives in the presence of SDS micelles. <i>Dyes and Pigments</i> , 2018 , 151, 321-326	4.6	16
59	Nitric oxide release from a cucurbituril encapsulated NO-donor. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 4272-4278	3.9	3
58	Impact of Lignosulfonates on the Thermodynamic and Kinetic Parameters of Malvidin-3-O-glucoside in Aqueous Solutions. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 6382-6387	5.7	9

57	Terpenes Show Nanomolar Affinity and Selective Binding with Cucurbit[8]uril. <i>Israel Journal of Chemistry</i> , 2018 , 58, 487-492	3.4	4
56	Light-induced cargo release from a cucurbit[8]uril host by means of a sequential logic operation. <i>Chemical Communications</i> , 2018 , 54, 13335-13338	5.8	24
55	On the multistate of 2'-hydroxyflavylium-flavanone system. Illustrating the concept of a timer with reset at the molecular level. <i>Dyes and Pigments</i> , 2018 , 158, 465-473	4.6	4
54	Contrasting pK _a Shifts in Cucurbit[7]uril Host-Guest Complexes Governed by an Interplay of Hydrophobic Effects and Electrostatic Interactions. <i>ACS Omega</i> , 2017 , 2, 70-75	3.9	24
53	Effect of β-Cyclodextrin on the Multistate Species Distribution of 3-Methoxy-4'-dihydroxyflavylium. Discrimination of the Two Hemiketal Enantiomers. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6346-6358	5.7	3
52	Binding of the five multistate species of the anthocyanin analog 7-O-methyl-3',4'-dihydroxyflavylium to the β-cyclodextrin derivative captisol. <i>Dyes and Pigments</i> , 2017 , 143, 479-487	4.6	5
51	Exploring the diethylaminoflavylium derivatives multistate system of chemical reactions in the presence of CTAB micelles: thermodynamic reversibility achieved through different kinetic pathways. <i>RSC Advances</i> , 2017 , 7, 30469-30480	3.7	4
50	pH-Driven self-sorting in a four component host-guest system. <i>Chemical Communications</i> , 2017 , 53, 6472-6475	5.8	8
49	A journey from calix[4]arene to calix[6] and calix[8]arene reveals more than a matter of size. Receptor concentration affects the stability and stoichiometric nature of the complexes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13640-13649	3.6	15
48	Photoswitchable vesicles. <i>Current Opinion in Colloid and Interface Science</i> , 2017 , 32, 29-38	7.6	11
47	p-Sulfonatocalix[6]arene-dodecyltrimethylammonium Supramolecular Amphiphilic System: Relationship between Calixarene and Micelle Concentration. <i>Langmuir</i> , 2017 , 33, 13008-13013	4	8
46	Unveiling the 6,8-Rearrangement in 8-Phenyl-5,7-dihydroxyflavylium and 8-Methyl-5,7-dihydroxyflavylium through Host-Guest Complexation. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 5617-5626	3.2	6
45	Photocaged Competitor Guests: A General Approach Toward Light-Activated Cargo Release From Cucurbiturils. <i>Chemistry - A European Journal</i> , 2017 , 23, 13105-13111	4.8	27
44	Hiding and unveiling trans-chalcone in a constrained derivative of 4'-dihydroxyflavylium in water: a versatile photochromic system. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 338-347	3.9	4
43	Evidence against the Twisted Intramolecular Charge Transfer (TICT) model in 7-aminoflavylium derivatives. <i>Dyes and Pigments</i> , 2016 , 135, 86-93	4.6	5
42	Drug Delivery by Controlling a Supramolecular Host-Guest Assembly with a Reversible Photoswitch. <i>Chemistry - A European Journal</i> , 2016 , 22, 15208-15211	4.8	51
41	A Multistate Molecular Switch Based on the 6,8-Rearrangement in Bromo-apigeninidin Operated with pH and Host-Guest Inputs. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 7053-61	3.4	16
40	Synthesis and multistate characterization of bis-flavylium dications β-symmetric resorcinol- and phloroglucinol-type derivatives as stochastic systems. <i>RSC Advances</i> , 2016 , 6, 69698-69707	3.7	3

39	Counterion-Controlled Self-Sorting in an Amphiphilic Calixarene Micellar System. <i>Chemistry - A European Journal</i> , 2016 , 22, 6466-70	4.8	16
38	Extending the Study of the 6,8 Rearrangement in Flavylum Compounds to Higher pH Values: Interconversion between 6-Bromo and 8-Bromo-apigeninidin. <i>ChemistryOpen</i> , 2016 , 5, 236-246	2.3	7
37	Analogs of Natural 3-Deoxyanthocyanins: O-Glucosides of the 4V7-Dihydroxyflavylium Ion and the Deep Influence of Glycosidation on Color. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	5
36	Chemistry and Photochemistry of Anthocyanins and Related Compounds: A Thermodynamic and Kinetic Approach. <i>Molecules</i> , 2016 , 21,	4.8	36
35	Competitive counterion complexation allows the true host : guest binding constants from a single titration by ionic receptors. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6442-8	3.9	9
34	Effect of Methyl, Hydroxyl, and Chloro Substituents in Position 3 of 3V4V7-Trihydroxyflavylium: Stability, Kinetics, and Thermodynamics. <i>Chemistry - A European Journal</i> , 2016 , 22, 12495-505	4.8	5
33	Spatiotemporal control over the co-conformational switching in pH-responsive flavylium-based multistate pseudorotaxanes. <i>Faraday Discussions</i> , 2015 , 185, 361-79	3.6	9
32	Mimicking Positive and Negative Copigmentation Effects in Anthocyanin Analogues by Host-Guest Interaction with Cucurbit[7]uril and β -Cyclodextrins. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 7624-9	5.7	16
31	Flavylium based dual photochromism: addressing cis-trans isomerization and ring opening-closure by different light inputs. <i>Chemical Communications</i> , 2015 , 51, 7349-51	5.8	11
30	Exploring the charged nature of supramolecular micelles based on p-sulfonatocalix[6]arene and dodecyltrimethylammonium bromide. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26378-85	3.6	8
29	Self-organization of photo-active nanostructures: general discussion. <i>Faraday Discussions</i> , 2015 , 185, 529-48	3.6	2
28	Excited-state proton transfer in confined medium. 4-methyl-7-hydroxyflavylium and β naphthol incorporated in cucurbit[7]uril. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 2749-57	3.4	26
27	Host-Guest Complexes of Flavylium Cations and Cucurbit[7]uril: The Influence of Flavylium Substituents on the Structure and Stability of the Complex. <i>ChemPlusChem</i> , 2015 , 80, 1779-1785	2.8	20
26	Light activated molecular machines and logic gates: general discussion. <i>Faraday Discussions</i> , 2015 , 185, 399-411	3.6	1
25	β Cyclodextrin modulates the chemical reactivity by multiple complexation. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 1213-24	3.9	3
24	Characterization of kinetic and thermodynamic parameters of cyanidin-3-glucoside methyl and glucuronyl metabolite conjugates. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 2010-8	3.4	10
23	Flavylium network of chemical reactions in confined media: modulation of 3V4V7-trihydroxyflavylium reactions by host-guest interactions with cucurbit[7]uril. <i>ChemPhysChem</i> , 2014 , 15, 2295-302	3.2	27
22	Photochromism of the natural dye 7,4Vdihydroxy-5-methoxyflavylium (dracoflavylium) in the presence of (2-hydroxypropyl)- β -cyclodextrin. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 1420-4	4.2	10

21	Ionic exchange in p-sulfonatocalix[4]arene-mediated formation of metal-ligand complexes. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4710-6	3.4	17
20	Photochromism of the complex between 4'-(2-hydroxyethoxy)-7-hydroxyflavylium and Cyclodextrin, studied by ¹ H NMR, UV-Vis, continuous irradiation and circular dichroism. <i>Dyes and Pigments</i> , 2014 , 110, 106-112	4.6	8
19	Effect of Cyclodextrin on the chemistry of 3',4',7-trihydroxyflavylium. <i>New Journal of Chemistry</i> , 2013 , 37, 3166	3.6	23
18	Aggregation of p-Sulfonatocalixarene-Based Amphiphiles and Supra-Amphiphiles. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 3140-57	6.3	64
17	Cooperative assembly of discrete stacked aggregates driven by supramolecular host-guest complexation. <i>Journal of Organic Chemistry</i> , 2013 , 78, 9113-9	4.2	28
16	On the photostationary state of the flavylium network of chemical reactions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 269, 1-8	4.7	4
15	Using calixarenes to model polyelectrolyte surfactant nucleation sites. <i>Chemistry - A European Journal</i> , 2013 , 19, 4570-6	4.8	38
14	Molecular recognition-based catalysis in nucleophilic aromatic substitution: a mechanistic study. <i>New Journal of Chemistry</i> , 2012 , 36, 1519	3.6	5
13	Counterion exchange as a decisive factor in the formation of host:guest complexes by p-sulfonatocalix[4]arene. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5308-15	3.4	25
12	Calixarene-based surfactants: evidence of structural reorganization upon micellization. <i>Langmuir</i> , 2012 , 28, 2404-14	4	52
11	Independent pathway formation of guest-host in host ternary complexes made of ammonium salt, calixarene, and cyclodextrin. <i>Journal of Organic Chemistry</i> , 2012 , 77, 10764-72	4.2	18
10	Insights into the structure of the supramolecular amphiphile formed by a sulfonated calix[6]arene and alkyltrimethylammonium surfactants. <i>Langmuir</i> , 2012 , 28, 6561-8	4	53
9	Calixarene-based surfactants: conformational-dependent solvation shells for the alkyl chains. <i>ChemPhysChem</i> , 2012 , 13, 2368-76	3.2	29
8	Cucurbit[7]uril: surfactant host-guest complexes in equilibrium with micellar aggregates. <i>ChemPhysChem</i> , 2011 , 12, 1342-50	3.2	14
7	NMR Evidence of Slow Monomer-Micelle Exchange in a Calixarene-Based Surfactant. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 4816-4820	3.4	33
6	Counterion binding in solutions of p-sulfonatocalix[4]arene. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 7201-6	3.4	36
5	Novel catanionic vesicles from calixarene and single-chain surfactant. <i>Chemical Communications</i> , 2010 , 46, 6551-3	5.8	68
4	Supramolecular catalysis by cucurbit[7]uril and cyclodextrins: similarity and differences. <i>Journal of Organic Chemistry</i> , 2010 , 75, 848-55	4.2	60

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| 3 | Sulfonated calix[6]arene host-guest complexes induce surfactant self-assembly. <i>Chemistry - A European Journal</i> , 2009 , 15, 9315-9 | 4.8 | 55 |
| 2 | A new reaction pathway in the ester aminolysis catalyzed by glymes and crown ethers. <i>Journal of Organic Chemistry</i> , 2006 , 71, 4280-5 | 4.2 | 26 |
| 1 | Novel catalytic effects in ester aminolysis in chlorobenzene. <i>Chemical Communications</i> , 2005 , 3817-9 | 5.8 | 5 |