Igor Marques

List of Publications by Citations

34 papers	1,734 citations	20 h-index	37 g-index
37 ext. papers	1,998 ext. citations	8 avg, IF	4.96 L-index

#	Paper	IF	Citations
34	Halogen bonding in water results in enhanced anion recognition in acyclic and rotaxane hosts. *Nature Chemistry*, **2014**, 6, 1039-43	17.6	224
33	A synthetic ion transporter that disrupts autophagy and induces apoptosis by perturbing cellular chloride concentrations. *Nature Chemistry*, **2017**, 9, 667-675	17.6	158
32	Chalcogen Bonding Macrocycles and [2]Rotaxanes for Anion Recognition. *Journal of the American Chemical Society*, **2017**, 139, 3122-3133	16.4	148
31	A Chiral Halogen-Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. *Angewandte Chemie - International Edition*, **2018**, 57, 584-588	16.4	115
30	Anion Recognition in Water by Charge-Neutral Halogen and Chalcogen Bonding Foldamer Receptors. *Journal of the American Chemical Society*, **2019**, 141, 4119-4129	16.4	107
29	Chloride, carboxylate and carbonate transport by ortho-phenylenediamine-based bisureas. *Chemical Science*, **2013**, 4, 103-117	9.4	107
28	Towards predictable transmembrane transport: QSAR analysis of anion binding and transport. *Chemical Science*, **2013**, 4, 3036	9.4	89
27	Enantioselective Anion Recognition by Chiral Halogen-Bonding [2]Rotaxanes. *Journal of the American Chemical Society*, **2017**, 139, 12228-12239	16.4	84
26	Selective Nitrate Recognition by a Halogen-Bonding Four-Station [3]Rotaxane Molecular Shuttle. *Angewandte Chemie - International Edition*, **2016**, 55, 11069-76	16.4	75
25	The role of lipophilicity in transmembrane anion transport. *Chemical Communications*, **2012**, 48, 5274-6	5.8	74
24	Iodide Recognition and Sensing in Water by a Halogen-Bonding Ruthenium(II)-Based Rotaxane. *Chemistry - A European Journal*, **2016**, 22, 185-92	4.8	68
23	Enhancing the enantioselective recognition and sensing of chiral anions by halogen bonding. *Chemical Communications*, **2016**, 52, 5527-30	5.8	63
22	Acylthioureas as anion transporters: the effect of intramolecular hydrogen bonding. *Organic and Biomolecular Chemistry*, **2014**, 12, 62-72	3.9	63
21	Tunable transmembrane chloride transport by bis-indolylureas. *Chemical Science*, **2012**, 3, 1436	9.4	51
20	Anion- and Solvent-Induced Rotary Dynamics and Sensing in a Perylene Diimide [3]Catenane. *Journal of the American Chemical Society*, **2017**, 139, 9026-9037	16.4	43
19	Chiral halogen and chalcogen bonding receptors for discrimination of stereo- and geometric dicarboxylate isomers in aqueous media. *Chemical Communications*, **2018**, 54, 10851-10854	5.8	43
18	The Green Box: An Electronically Versatile Perylene Diimide Macrocyclic Host for Fullerenes. *Journal of the American Chemical Society*, **2020**, 142, 349-364	16.4	29

17	A Chiral Halogen-Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. *Angewandte Chemie*, **2018**, 130, 593-597	3.6	28
16	Selective Nitrate Recognition by a Halogen-Bonding Four-Station [3]Rotaxane Molecular Shuttle. *Angewandte Chemie*, **2016**, 128, 11235-11242	3.6	23
15	Halide selective anion recognition by an amide-triazolium axle containing [2]rotaxane. *Organic and Biomolecular Chemistry*, **2014**, 12, 4924-31	3.9	21
14	Tilting and Tumbling in Transmembrane Anion Carriers: Activity Tuning through n-Alkyl Substitution. *Chemistry - A European Journal*, **2016**, 22, 2004-2011	4.8	18
13	Fluorinated synthetic anion carriers: experimental and computational insights into transmembrane chloride transport. *Chemical Science*, **2019**, 10, 1976-1985	9.4	17
12	Neutral bimetallic rhenium(I)-containing halogen and hydrogen bonding acyclic receptors for anion recognition. *Journal of Organometallic Chemistry*, **2015**, 792, 206-210	2.3	16
11	Full elucidation of the transmembrane anion transport mechanism of squaramides using in silico investigations. *Physical Chemistry Chemical Physics*, **2018**, 20, 20796-20811	3.6	14
10	Interaction of a calix[4]arene derivative with a DOPC bilayer: biomolecular simulations towards chloride transport. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 890-901	3.8	12
9	Tris-thiourea tripodal-based molecules as chloride transmembrane transporters: insights from molecular dynamics simulations. *Soft Matter*, **2014**, 10, 3608-21	3.6	11
8	Recognition of bio-relevant dicarboxylate anions by an azacalix[2]arene[2]triazine derivative decorated with urea moieties. *Organic and Biomolecular Chemistry*, **2015**, 13, 3070-85	3.9	10
7	Development of a Library of Thiophene-Based Drug-Like Lego Molecules: Evaluation of Their Anion Binding, Transport Properties, and Cytotoxicity. *Chemistry - A European Journal*, **2020**, 26, 888-899	4.8	8
6	Estrogen receptors in urogenital schistosomiasis and bladder cancer: Estrogen receptor alpha-mediated cell proliferation. *Urologic Oncology: Seminars and Original Investigations*, **2020**, 38, 738.e23-738.e35	2.8	6
5	Unprecedented Double aza-Michael Addition within a Sapphyrin Core. *Chemistry - A European Journal*, **2016**, 22, 14349-55	4.8	3
4	Hydrosulfide (HS) Recognition and Sensing in Water by Halogen Bonding Hosts. *Angewandte Chemie - International Edition*, **2021**, 60, 24048-24053	16.4	3
3	Lipidomic analysis of human primary hepatocytes following LXR activation with GW3965 identifies AGXT2L1 as a main target associated to changes in phosphatidylethanolamine. *Journal of Steroid Biochemistry and Molecular Biology*, **2020**, 198, 105558	5.1	2
2	Hydrosulfide (HS)Recognition and Sensing in Water by Halogen Bonding Hosts. *Angewandte Chemie*,	3.6	1
1	Hydrazones in anion transporters: the detrimental effect of a second binding site. *Organic and Biomolecular Chemistry*, **2021**, 19, 8324-8337	3.9	0