

# Bartolome Soberats

## List of Publications by Citations

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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.

39 papers	1,398 citations	20 h-index	37 g-index
43 ext. papers	1,643 ext. citations	10.4 avg, IF	4.73 L-index

#	Paper	IF	Citations
39	Transport of ions and electrons in nanostructured liquid crystals. <i>Nature Reviews Materials</i> , <b>2017</b> , 2,	73.3	256
38	3D Anhydrous proton-transporting nanochannels formed by self-assembly of liquid crystals composed of a sulfobetaine and a sulfonic acid. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15286-9	16.4	112
37	Macroscopic photocontrol of ion-transporting pathways of a nanostructured imidazolium-based photoresponsive liquid crystal. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9552-5	16.4	102
36	A Columnar Liquid-Crystal Phase Formed by Hydrogen-Bonded Perylene Bisimide J-Aggregates. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2162-2165	16.4	74
35	Perylene bisimide hydrogels and lyotropic liquid crystals with temperature-responsive color change. <i>Chemical Science</i> , <b>2016</b> , 7, 6786-6790	9.4	64
34	Ionic Switch Induced by a Rectangular-Hexagonal Phase Transition in Benzenammonium Columnar Liquid Crystals. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13212-5	16.4	57
33	Nanostructured Two-Component Liquid-Crystalline Electrolytes for High-Temperature Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6496-6502	9.6	56
32	Liquid-Crystalline Dye-Sensitized Solar Cells: Design of Two-Dimensional Molecular Assemblies for Efficient Ion Transport and Thermal Stability. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6493-6500	9.6	55
31	Development of Nanostructured Water Treatment Membranes Based on Thermotropic Liquid Crystals: Molecular Design of Sub-Nanoporous Materials. <i>Advanced Science</i> , <b>2018</b> , 5, 1700405	13.6	54
30	Functional liquid-crystalline polymers and supramolecular liquid crystals. <i>Polymer Journal</i> , <b>2018</b> , 50, 149-166	16.6	54
29	Self-assembly of multi-stranded perylene dye J-aggregates in columnar liquid-crystalline phases. <i>Nature Communications</i> , <b>2018</b> , 9, 2646	17.4	54
28	Zwitterionic liquid crystals as 1D and 3D lithium ion transport media. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11232-11238	13	49
27	Crystallographic and Theoretical Evidence of Anion and Hydrogen-Bonding Interactions in a Squaramide Nitrate Salt. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 1864-1868	3.2	44
26	Hydrogen-bonded perylene bisimide J-aggregate aqua material. <i>Chemical Science</i> , <b>2018</b> , 9, 6904-6911	9.4	43
25	Janus-like squaramide-based hosts: dual mode of binding and conformational transitions driven by ion-pair recognition. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 7533-42	4.8	37
24	Thermodynamic insights into the entropically driven self-assembly of amphiphilic dyes in water. <i>Chemical Science</i> , <b>2019</b> , 10, 9358-9366	9.4	35
23	Selective sensing of competitive anions by non-selective hosts: the case of sulfate and phosphate in water. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 1919	3.6	30

22	Diketopyrrolopyrrole Columnar Liquid-Crystalline Assembly Directed by Quadruple Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10771-10774	16.4	29
21	Evidence of anion-induced dimerization of a squaramide-based host in protic solvents. <i>Chemical Communications</i> , <b>2007</b> , 963-5	5.8	29
20	A Columnar Liquid-Crystal Phase Formed by Hydrogen-Bonded Perylene Bisimide J-Aggregates. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2194-2197	3.6	20
19	Use of a protic salt for the formation of liquid-crystalline proton-conductive complexes with mesomorphic diols. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22656-22662	13	19
18	Conventional Tetrakis(triphenylphosphine)palladium-Copper(I) Iodide-Catalyzed Sonogashira Coupling of Free and BOC- Protected Propargylic Amines On Water $\square$ <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 1727-1731	5.6	18
17	Programmed enzyme-mimic hydrolysis of a choline carbonate by a metal-free 2-aminobenzimidazole-based cavitand. <i>Organic Letters</i> , <b>2014</b> , 16, 840-3	6.2	17
16	Self-Assembled Liquid-Crystalline Ion Conductors in Dye-Sensitized Solar Cells: Effects of Molecular Sensitizers on Their Performance. <i>ChemPlusChem</i> , <b>2017</b> , 82, 834-840	2.8	13
15	Diketopyrrolopyrrole Columnar Liquid-Crystalline Assembly Directed by Quadruple Hydrogen Bonds. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10911-10914	3.6	13
14	Advanced Functional Liquid Crystals.. <i>Advanced Materials</i> , <b>2022</b> , e2109063	24	13
13	Self-assembly of amphiphilic aryl-squaramides in water driven by dipolar $\pi$ -interactions. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 888-894	3.9	11
12	Anisotropic microfibres of a liquid-crystalline diketopyrrolopyrrole by self-assembly-assisted electrospinning. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 169-174	10.8	8
11	Self-Assembled Liquid-Crystalline Ion Conductors: Odd-Even Effects of Flexible Spacers Binding a Carbonate Moiety and an Aliphatic Rod-Like Core on Phase Transition Properties and Ion Conductivities. <i>Bulletin of the Chemical Society of Japan</i> , <b>2019</b> , 92, 1226-1233	5.1	6
10	Switching of ionic conductivities in columnar liquid-crystalline anilinium salts: effects of alkyl chains, ammonium cations and counter anions on thermal properties and switching temperatures. <i>Molecular Systems Design and Engineering</i> , <b>2019</b> , 4, 342-347	4.6	5
9	Supramolecular polymerization of electronically complementary linear motifs: anti-cooperativity by attenuated growth.. <i>Chemical Science</i> , <b>2021</b> , 13, 81-89	9.4	4
8	Development of Plasmonic Chitosan-Squarate Hydrogels via Bioinspired Nanoparticle Growth. <i>Biomacromolecules</i> , <b>2020</b> , 21, 966-973	6.9	3
7	Liquid-Crystalline Squaraine Dyes with Anisotropic Absorption of Near Infrared Light. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1186-1189	8.1	3
6	Influence of the Z/E Isomerism on the Pathway Complexity of a Squaramide-Based Macrocyclic. <i>Small</i> , <b>2021</b> , 17, e2006133	11	2
5	Unveiling the Role of Hydrogen Bonds in Luminescent N-Annulated Perylene Liquid Crystals. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14282-14286	4.8	2

4	Surface Modification of Pseudoboehmite-Coated Aluminum Plates with Squaramic Acid Amphiphiles. <i>ACS Omega</i> , <b>2019</b> , 4, 14868-14874	3.9	1
3	Dual role of silver in a fluorogenic -squaraine probe based on Ag(I)- $\pi$ Interactions. <i>Dalton Transactions</i> , <b>2021</b> , 50, 9367-9371	4.3	1
2	CMOS-MEMS VOC sensors functionalized via inkjet polymer deposition for high-sensitivity acetone detection. <i>Lab on A Chip</i> , <b>2021</b> , 21, 3307-3315	7.2	1
1	Conformational Isomerism: Influence of the Z/E Isomerism on the Pathway Complexity of a Squaramide-Based Macrocycle (Small 7/2021). <i>Small</i> , <b>2021</b> , 17, 2170028	11	0