

Bartolome Soberats

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.

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|-------------------|-------------------------|-----------------|-----------------|
| 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 | Advanced Functional Liquid Crystals.. <i>Advanced Materials</i> , 2022 , e2109063 | 24 | 13 |
| 38 | Supramolecular polymerization of electronically complementary linear motifs: anti-cooperativity by attenuated growth.. <i>Chemical Science</i> , 2021 , 13, 81-89 | 9.4 | 4 |
| 37 | Influence of the Z/E Isomerism on the Pathway Complexity of a Squaramide-Based Macrocyclic. <i>Small</i> , 2021 , 17, e2006133 | 11 | 2 |
| 36 | Dual role of silver in a fluorogenic -squaraine probe based on Ag(I)- π -interactions. <i>Dalton Transactions</i> , 2021 , 50, 9367-9371 | 4.3 | 1 |
| 35 | CMOS-MEMS VOC sensors functionalized via inkjet polymer deposition for high-sensitivity acetone detection. <i>Lab on A Chip</i> , 2021 , 21, 3307-3315 | 7.2 | 1 |
| 34 | Conformational Isomerism: Influence of the Z/E Isomerism on the Pathway Complexity of a Squaramide-Based Macrocyclic (Small 7/2021). <i>Small</i> , 2021 , 17, 2170028 | 11 | 0 |
| 33 | Unveiling the Role of Hydrogen Bonds in Luminescent N-Annulated Perylene Liquid Crystals. <i>Chemistry - A European Journal</i> , 2021 , 27, 14282-14286 | 4.8 | 2 |
| 32 | Development of Plasmonic Chitosan-Squarate Hydrogels via Bioinspired Nanoparticle Growth. <i>Biomacromolecules</i> , 2020 , 21, 966-973 | 6.9 | 3 |
| 31 | Self-assembly of amphiphilic aryl-squaramides in water driven by dipolar π -interactions. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 888-894 | 3.9 | 11 |
| 30 | Surface Modification of Pseudoboehmite-Coated Aluminum Plates with Squaramic Acid Amphiphiles. <i>ACS Omega</i> , 2019 , 4, 14868-14874 | 3.9 | 1 |
| 29 | Anisotropic microfibrils of a liquid-crystalline diketopyrrolopyrrole by self-assembly-assisted electrospinning. <i>Nanoscale Horizons</i> , 2019 , 4, 169-174 | 10.8 | 8 |
| 28 | 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> , 2019 , 4, 342-347 | 4.6 | 5 |
| 27 | 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> , 2019 , 92, 1226-1233 | 5.1 | 6 |
| 26 | Thermodynamic insights into the entropically driven self-assembly of amphiphilic dyes in water. <i>Chemical Science</i> , 2019 , 10, 9358-9366 | 9.4 | 35 |
| 25 | Development of Nanostructured Water Treatment Membranes Based on Thermotropic Liquid Crystals: Molecular Design of Sub-Nanoporous Materials. <i>Advanced Science</i> , 2018 , 5, 1700405 | 13.6 | 54 |
| 24 | Functional liquid-crystalline polymers and supramolecular liquid crystals. <i>Polymer Journal</i> , 2018 , 50, 149-166 | 1.6 | 54 |
| 23 | Hydrogen-bonded perylene bisimide J-aggregate aqua material. <i>Chemical Science</i> , 2018 , 9, 6904-6911 | 9.4 | 43 |

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| 22 | Self-assembly of multi-stranded perylene dye J-aggregates in columnar liquid-crystalline phases. <i>Nature Communications</i> , 2018 , 9, 2646 | 17.4 | 54 |
| 21 | A Columnar Liquid-Crystal Phase Formed by Hydrogen-Bonded Perylene Bisimide J-Aggregates. <i>Angewandte Chemie</i> , 2017 , 129, 2194-2197 | 3.6 | 20 |
| 20 | A Columnar Liquid-Crystal Phase Formed by Hydrogen-Bonded Perylene Bisimide J-Aggregates. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2162-2165 | 16.4 | 74 |
| 19 | Transport of ions and electrons in nanostructured liquid crystals. <i>Nature Reviews Materials</i> , 2017 , 2, | 73.3 | 256 |
| 18 | Self-Assembled Liquid-Crystalline Ion Conductors in Dye-Sensitized Solar Cells: Effects of Molecular Sensitizers on Their Performance. <i>ChemPlusChem</i> , 2017 , 82, 834-840 | 2.8 | 13 |
| 17 | Diketopyrrolopyrrole Columnar Liquid-Crystalline Assembly Directed by Quadruple Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10771-10774 | 16.4 | 29 |
| 16 | Diketopyrrolopyrrole Columnar Liquid-Crystalline Assembly Directed by Quadruple Hydrogen Bonds. <i>Angewandte Chemie</i> , 2017 , 129, 10911-10914 | 3.6 | 13 |
| 15 | Perylene bisimide hydrogels and lyotropic liquid crystals with temperature-responsive color change. <i>Chemical Science</i> , 2016 , 7, 6786-6790 | 9.4 | 64 |
| 14 | Liquid-Crystalline Dye-Sensitized Solar Cells: Design of Two-Dimensional Molecular Assemblies for Efficient Ion Transport and Thermal Stability. <i>Chemistry of Materials</i> , 2016 , 28, 6493-6500 | 9.6 | 55 |
| 13 | Liquid-Crystalline Squaraine Dyes with Anisotropic Absorption of Near Infrared Light. <i>Advanced Optical Materials</i> , 2016 , 4, 1186-1189 | 8.1 | 3 |
| 12 | Zwitterionic liquid crystals as 1D and 3D lithium ion transport media. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11232-11238 | 13 | 49 |
| 11 | Ionic Switch Induced by a Rectangular-Hexagonal Phase Transition in Benzenammonium Columnar Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13212-5 | 16.4 | 57 |
| 10 | Use of a protic salt for the formation of liquid-crystalline proton-conductive complexes with mesomorphic diols. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22656-22662 | 13 | 19 |
| 9 | Nanostructured Two-Component Liquid-Crystalline Electrolytes for High-Temperature Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2014 , 26, 6496-6502 | 9.6 | 56 |
| 8 | Macroscopic photocontrol of ion-transporting pathways of a nanostructured imidazolium-based photoresponsive liquid crystal. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9552-5 | 16.4 | 102 |
| 7 | Programmed enzyme-mimic hydrolysis of a choline carbonate by a metal-free 2-aminobenzimidazole-based cavitand. <i>Organic Letters</i> , 2014 , 16, 840-3 | 6.2 | 17 |
| 6 | 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> , 2013 , 135, 15286-9 | 16.4 | 112 |
| 5 | Janus-like squaramide-based hosts: dual mode of binding and conformational transitions driven by ion-pair recognition. <i>Chemistry - A European Journal</i> , 2012 , 18, 7533-42 | 4.8 | 37 |

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| 4 | Conventional Tetrakis(triphenylphosphine)palladium-Copper(I) Iodide-Catalyzed Sonogashira Coupling of Free and BOC- Protected Propargylic Amines On Water <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 1727-1731 | 5.6 | 18 |
| 3 | Selective sensing of competitive anions by non-selective hosts: the case of sulfate and phosphate in water. <i>New Journal of Chemistry</i> , 2008 , 32, 1919 | 3.6 | 30 |
| 2 | Crystallographic and Theoretical Evidence of Anion-Induced Hydrogen-Bonding Interactions in a Squaramide Nitrate Salt. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 1864-1868 | 3.2 | 44 |
| 1 | Evidence of anion-induced dimerization of a squaramide-based host in protic solvents. <i>Chemical Communications</i> , 2007 , 963-5 | 5.8 | 29 |