

# JesÃ³s del Barrio

## List of Publications by Year in descending order

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43  
papers

4,883  
citations

201385

27  
h-index

243296

44  
g-index

48  
all docs

48  
docs citations

48  
times ranked

6411  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coumarin-Containing Pillar[5]arenes as Multifunctional Liquid Crystal Macrocycles. <i>Journal of Organic Chemistry</i> , 2020, 85, 8944-8951.	1.7	10
2	Emerging Two-Dimensional Crystallization of Cucurbit[8]uril Complexes: From Supramolecular Polymers to Nanofibers. <i>Journal of the American Chemical Society</i> , 2019, 141, 14021-14025.	6.6	29
3	Light to Shape the Future: From Photolithography to 4D Printing. <i>Advanced Optical Materials</i> , 2019, 7, 1900598.	3.6	152
4	Single-Molecule Force Spectroscopy Quantification of Adhesive Forces in Cucurbit[8]uril Host-Guest Ternary Complexes. <i>Langmuir</i> , 2017, 33, 1343-1350.	1.6	20
5	Decoupled Associative and Dissociative Processes in Strong yet Highly Dynamic Host-Guest Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12985-12993.	6.6	56
6	Innenteilbild: A Dynamic and Responsive Host in Action: Light-Controlled Molecular Encapsulation ( <i>Angew. Chem.</i> 52/2016). <i>Angewandte Chemie</i> , 2016, 128, 16164-16164.	1.6	0
7	A Dynamic and Responsive Host in Action: Light-Controlled Molecular Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16096-16100.	7.2	62
8	The Importance of Excess Poly( <i>N</i> -isopropylacrylamide) for the Aggregation of Poly( <i>N</i> -isopropylacrylamide)-Coated Gold Nanoparticles. <i>ACS Nano</i> , 2016, 10, 3158-3165.	7.3	123
9	Light-Regulated Molecular Trafficking in a Synthetic Water-Soluble Host. <i>Journal of the American Chemical Society</i> , 2016, 138, 5745-5748.	6.6	75
10	A facile method for the stain-free visualization of hierarchical structures with electron microscopy. <i>Journal of Polymer Science Part A</i> , 2015, 53, 842-845.	2.5	1
11	Supramolecular polymer networks based on cucurbit[8]uril host-guest interactions as aqueous photo-rheological fluids. <i>Polymer Chemistry</i> , 2015, 6, 7652-7657.	1.9	41
12	Cucurbituril-Based Molecular Recognition. <i>Chemical Reviews</i> , 2015, 115, 12320-12406.	23.0	1,467
13	A selective supramolecular photochemical sensor for dopamine. <i>Supramolecular Chemistry</i> , 2014, 26, 280-285.	1.5	9
14	Self-Assembly and Photoinduced Optical Anisotropy in Dendronized Supramolecular Azopolymers. <i>Macromolecules</i> , 2014, 47, 897-906.	2.2	26
15	Supramolecular polymeric peptide amphiphile vesicles for the encapsulation of basic fibroblast growth factor. <i>Chemical Communications</i> , 2014, 50, 3033-3035.	2.2	68
16	Temperature- and Voltage-Induced Ligand Rearrangement of a Dynamic Electroluminescent Metallopolymer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8388-8391.	7.2	77
17	Efficient Host-Guest Energy Transfer in Polycationic Cyclophane-Perylene Diimide Complexes in Water. <i>Journal of the American Chemical Society</i> , 2014, 136, 9053-9060.	6.6	97
18	Quantitative multiplexing with nano-self-assemblies in SERS. <i>Scientific Reports</i> , 2014, 4, 6785.	1.6	84

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19	Light induced molecular release from vesicles based on amphiphilic linear-dendritic block copolymers. <i>Polymer Chemistry</i> , 2013, 4, 2246.	1.9	52
20	A Facile Route to Viologen Functional Macromolecules through Azide-Alkyne [3+2] Cycloaddition. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1547-1553.	2.0	4
21	Diblock copolymer-azobenzene complexes through hydrogen bonding: Self-assembly and stable photoinduced optical anisotropy. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1716-1725.	2.5	35
22	Photocontrol over Cucurbit[8]uril Complexes: Stoichiometry and Supramolecular Polymers. <i>Journal of the American Chemical Society</i> , 2013, 135, 11760-11763.	6.6	250
23	Supramolecular polymeric hydrogels. <i>Chemical Society Reviews</i> , 2012, 41, 6195.	18.7	988
24	Metastable single-chain polymer nanoparticles prepared by dynamic cross-linking with nor-seco-cucurbit[10]uril. <i>Chemical Science</i> , 2012, 3, 2278.	3.7	74
25	Triply Triggered Doxorubicin Release From Supramolecular Nanocontainers. <i>Biomacromolecules</i> , 2012, 13, 84-91.	2.6	174
26	Azobenzene-containing linear-dendritic block copolymers prepared by sequential ATRP and click chemistry. <i>Polymer</i> , 2012, 53, 4604-4613.	1.8	17
27	Triggered insulin release studies of triply responsive supramolecular micelles. <i>Polymer Chemistry</i> , 2012, 3, 3180.	1.9	80
28	High molecular weight polyacrylamides by atom transfer radical polymerization: Enabling advancements in water-based applications. <i>Journal of Polymer Science Part A</i> , 2012, 50, 181-186.	2.5	47
29	Formation of Single-Chain Polymer Nanoparticles in Water through Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4185-4189.	7.2	145
30	Thermal and light control of the chiral order of azopolymers. <i>European Polymer Journal</i> , 2012, 48, 384-390.	2.6	16
31	CHAPTER 3. Supramolecular Hydrogels. <i>Monographs in Supramolecular Chemistry</i> , 2012, , 39-71.	0.2	1
32	On-demand control of thermoresponsive properties of poly(N-isopropylacrylamide) with cucurbit[8]uril host-guest complexes. <i>Chemical Communications</i> , 2011, 47, 6000.	2.2	78
33	Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. <i>Macromolecules</i> , 2011, 44, 4828-4835.	2.2	73
34	Air-water interfacial behavior of linear-dendritic block copolymers containing PEG and azobenzene chromophores. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 389-398.	5.0	4
35	Oligofluorene blue emitters for cholesteric liquid crystal lasers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 210, 130-139.	2.0	24
36	Photoresponsive poly(methyl methacrylate)-azodendron block copolymers prepared by ATRP and click chemistry. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1538-1550.	2.5	34

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37	Photocontrol of the Supramolecular Chirality Imposed by Stereocenters in Liquid Crystalline Azodendrimers. <i>Chemistry of Materials</i> , 2010, 22, 1714-1723.	3.2	36
38	Self-Assembly of Linear <sup>∞</sup> Dendritic Diblock Copolymers: From Nanofibers to Polymersomes. <i>Journal of the American Chemical Society</i> , 2010, 132, 3762-3769.	6.6	192
39	Extended liquid-crystalline oligofluorenes with photo- and electroluminescence. <i>New Journal of Chemistry</i> , 2010, 34, 2785.	1.4	10
40	Chiral luminescent compounds as a perspective for cholesteric liquid crystal lasers. <i>Optical Materials</i> , 2009, 31, 1693-1696.	1.7	11
41	Azobenzene-Containing Linear <sup>∞</sup> Dendritic Diblock Copolymers by Click Chemistry: Synthesis, Characterization, Morphological Study, and Photoinduction of Optical Anisotropy. <i>Macromolecules</i> , 2009, 42, 5752-5760.	2.2	73
42	Bistable mesomorphism and supramolecular stereomutation in chiral liquid crystal azopolymers. <i>Journal of Materials Chemistry</i> , 2009, 19, 4922.	6.7	28
43	Supramolecular Architecture in Langmuir and Langmuir <sup>∞</sup> Blodgett Films Incorporating a Chiral Azobenzene. <i>Langmuir</i> , 2008, 24, 10196-10203.	1.6	22