

JesÃ³s del Barrio

List of Publications by Year in descending order

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43
papers

4,883
citations

201385

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243296

44
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48
all docs

48
docs citations

48
times ranked

6411
citing authors

#	ARTICLE	IF	CITATIONS
1	Cucurbituril-Based Molecular Recognition. <i>Chemical Reviews</i> , 2015, 115, 12320-12406.	23.0	1,467
2	Supramolecular polymeric hydrogels. <i>Chemical Society Reviews</i> , 2012, 41, 6195.	18.7	988
3	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
4	Self-Assembly of Linear [∞] Dendritic Diblock Copolymers: From Nanofibers to Polymersomes. <i>Journal of the American Chemical Society</i> , 2010, 132, 3762-3769.	6.6	192
5	Triply Triggered Doxorubicin Release From Supramolecular Nanocontainers. <i>Biomacromolecules</i> , 2012, 13, 84-91.	2.6	174
6	Light to Shape the Future: From Photolithography to 4D Printing. <i>Advanced Optical Materials</i> , 2019, 7, 1900598.	3.6	152
7	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
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	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
10	Quantitative multiplexing with nano-self-assemblies in SERS. <i>Scientific Reports</i> , 2014, 4, 6785.	1.6	84
11	Triggered insulin release studies of triply responsive supramolecular micelles. <i>Polymer Chemistry</i> , 2012, 3, 3180.	1.9	80
12	On-demand control of thermoresponsive properties of poly(<i>N</i> -isopropylacrylamide) with cucurbit[8]uril host [∞] guest complexes. <i>Chemical Communications</i> , 2011, 47, 6000.	2.2	78
13	Temperature [∞] and Voltage [∞] Induced Ligand Rearrangement of a Dynamic Electroluminescent Metallopolymer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8388-8391.	7.2	77
14	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
15	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
16	Azobenzene-Containing Linear [∞] 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
17	Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. <i>Macromolecules</i> , 2011, 44, 4828-4835.	2.2	73
18	Supramolecular polymeric peptide amphiphile vesicles for the encapsulation of basic fibroblast growth factor. <i>Chemical Communications</i> , 2014, 50, 3033-3035.	2.2	68

#	ARTICLE	IF	CITATIONS
19	A Dynamic and Responsive Host in Action: Light-Controlled Molecular Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16096-16100.	7.2	62
20	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
21	Light induced molecular release from vesicles based on amphiphilic linear-dendritic block copolymers. <i>Polymer Chemistry</i> , 2013, 4, 2246.	1.9	52
22	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
23	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
24	Photocontrol of the Supramolecular Chirality Imposed by Stereocenters in Liquid Crystalline Azodendrimers. <i>Chemistry of Materials</i> , 2010, 22, 1714-1723.	3.2	36
25	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
26	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
27	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
28	Bistable mesomorphism and supramolecular stereomutation in chiral liquid crystal azopolymers. <i>Journal of Materials Chemistry</i> , 2009, 19, 4922.	6.7	28
29	Self-Assembly and Photoinduced Optical Anisotropy in Dendronized Supramolecular Azopolymers. <i>Macromolecules</i> , 2014, 47, 897-906.	2.2	26
30	Oligofluorene blue emitters for cholesteric liquid crystal lasers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 210, 130-139.	2.0	24
31	Supramolecular Architecture in Langmuir and Langmuir-Blodgett Films Incorporating a Chiral Azobenzene. <i>Langmuir</i> , 2008, 24, 10196-10203.	1.6	22
32	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
33	Azobenzene-containing linear-dendritic block copolymers prepared by sequential ATRP and click chemistry. <i>Polymer</i> , 2012, 53, 4604-4613.	1.8	17
34	Thermal and light control of the chiral order of azopolymers. <i>European Polymer Journal</i> , 2012, 48, 384-390.	2.6	16
35	Chiral luminescent compounds as a perspective for cholesteric liquid crystal lasers. <i>Optical Materials</i> , 2009, 31, 1693-1696.	1.7	11
36	Extended liquid-crystalline oligofluorenes with photo- and electroluminescence. <i>New Journal of Chemistry</i> , 2010, 34, 2785.	1.4	10

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37	Coumarin-Containing Pillar[5]arenes as Multifunctional Liquid Crystal Macrocycles. <i>Journal of Organic Chemistry</i> , 2020, 85, 8944-8951.	1.7	10
38	A selective supramolecular photochemical sensor for dopamine. <i>Supramolecular Chemistry</i> , 2014, 26, 280-285.	1.5	9
39	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
40	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
41	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
42	CHAPTER 3. Supramolecular Hydrogels. <i>Monographs in Supramolecular Chemistry</i> , 2012, , 39-71.	0.2	1
43	Innentitelbild: 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