Jacobs H Jordan

List of Publications by Year
in descending order

28 papers	914 citations	623734 14 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	1112 citing authors

#	Article	IF	Citations
1	Molecular containers assembled through the hydrophobic effect. Chemical Society Reviews, 2015, 44, 547-585.	38.1	260
2	Supramolecular Strategies for Controlling Reactivity within Confined Nanospaces. Angewandte Chemie - International Edition, 2020, 59, 13712-13721.	13.8	94
3	Extraction and characterization of nanocellulose crystals from cotton gin motes and cotton gin waste. Cellulose, 2019, 26, 5959-5979.	4.9	84
4	Role of Functionalized Pillararene Architectures in Supramolecular Catalysis. Angewandte Chemie - International Edition, 2021, 60, 9205-9214.	13.8	75
5	Ionâ€“Hydrocarbon and/or Ionâ€“Ion Interactions: Direct and Reverse Hofmeister Effects in a Synthetic Host. Journal of the American Chemical Society, 2018, 140, 4092-4099.	13.7	60
6	The emerging applications of pillararene architectures in supramolecular catalysis. Chinese Chemical Letters, 2022, 33, 89-96.	9.0	44
7	Alkali Hydrolysis of Sulfated Cellulose Nanocrystals: Optimization of Reaction Conditions and Tailored Surface Charge. Nanomaterials, 2019, 9, 1232.	4.1	41
8	Cellulose hydrolysis using ionic liquids and inorganic acids under dilute conditions: morphological comparison of nanocellulose. RSC Advances, 2020, 10, 39413-39424.	3.6	37
9	Synthesis of Water-Soluble Deep-Cavity Cavitands. Organic Letters, 2016, 18, 4048-4051.	4.6	29
10	Supramolecular Strategies for Controlling Reactivity within Confined Nanospaces. Angewandte Chemie, 2020, 132, 13816-13825.	2.0	28
11	Buffer and Salt Effects in Aqueous Hostâ€“Guest Systems: Screening, Competitive Binding, or Both?. Journal of the American Chemical Society, 2021, 143, 18605-18616.	13.7	27
12	Proximal charge effects on guest binding to a non-polar pocket. Chemical Science, 2020, 11, 3656-3663.	7.4	21
13	Investigation of Lysine-Functionalized Dendrimers as Dichlorvos Detoxification Agents. Biomacromolecules, 2015, 16, 3434-3444.	5.4	18
14	Lignin-containing cellulose nanofibers with gradient lignin content obtained from cotton gin motes and cotton gin trash. Cellulose, 2021, 28, 757-773.	4.9	17
15	Molecular protection of fatty acid methyl esters within a supramolecular capsule. Chemical Communications, 2019, 55, 11695-11698.	4.1	14
16	Application of Brown Cotton-Supported Palladium Nanoparticles in Suzukiâ€“Miyaura Cross-Coupling Reactions. ACS Applied Nano Materials, 2020, 3, 6304-6309.	5.0	14
17	Synthesis and characterization of TEMPO-oxidized peptide-cellulose conjugate biosensors for detecting human neutrophil elastase. Cellulose, 2022, 29, 1293-1305.	4.9	11
18	Role of Functionalized Pillararene Architectures in Supramolecular Catalysis. Angewandte Chemie, 2021, 133, 9289-9298.	2.0	8

#	Article	IF	Citations
19	Detection of Human Neutrophil Elastase by Fluorescent Peptide Sensors Conjugated to TEMPO-Oxidized Nanofibrillated Cellulose. International Journal of Molecular Sciences, 2022, 23, 3101.	4.1	8
20	Effect of Nanocellulose on the Properties of Cottonseed Protein Isolate as a Paper Strength Agent. Materials, 2021, 14, 4128.	2.9	7
21	Binding properties and supramolecular polymerization of a water-soluble resorcin[4]arene. Organic Chemistry Frontiers, 2019, 6, 1236-1243.	4.5	6
22	Silver Nanoparticle-Intercalated Cotton Fiber for Catalytic Degradation of Aqueous Organic Dyes for Water Pollution Mitigation. Nanomaterials, 2022, 12, 1621.	4.1	6
23	Dual Binding Modes of a Small Cavitand. Supramolecular Chemistry, 2021, 33, 266-271.	1.2	2
24	Application of Lignin-Containing Cellulose Nanofibers and Cottonseed Protein Isolate for Improved Performance of Paper. Polymers, 2022, 14, 2154.	4.5	2
25	Water-Soluble Cavitands â˜†. , 2017, , 387-404.		1
26	Investigation of bisphenol-substituted spirocyclic phosphazenes as cotton textileâ€“based flame retardants. Journal of Engineered Fibers and Fabrics, 2020, 15, 155892502092088.	1.0	0
27	General Strategies in Modulating Reactivity within Well-Defined Supramolecular Nanospaces. Series on Chemistry, Energy and the Environment, 2020, , 1-27.	0.3	0
28	Preparation of Cellulose Nanocrystals from Cotton Gin Motes and Cotton Gin Trash. ACS Symposium Series, 0, , 15-33.	0.5	0