

Xibo Yan

List of Publications by Year in descending order

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32
papers

923
citations

567281

15
h-index

454955

30
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34
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34
docs citations

34
times ranked

1207
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation and Spillover of Hydrogen on Sub \approx 1-2 nm Palladium Nanoclusters Confined within Sodalite Zeolite for the Semi-Hydrogenation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7668-7672.	13.8	123
2	The Interplay between Structure and Product Selectivity of CO ₂ Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11242-11247.	13.8	84
3	Aqueous RAFT Polymerization of Imidazolium-Type Ionic Liquid Monomers: En Route to Poly(ionic) Tj ETQq1 1 0.784314 rgBT /Overlo 2015, 4, 1008-1011.	4.8	59
4	Glycopolymers as Antiadhesives of <i>E. coli</i> Strains Inducing Inflammatory Bowel Diseases. <i>Biomacromolecules</i> , 2015, 16, 1827-1836.	5.4	58
5	Development of Heptylmannoside-Based Glycoconjugate Antiadhesive Compounds against Adherent-Invasive Escherichia coli Bacteria Associated with Crohn's Disease. <i>MBio</i> , 2015, 6, e01298-15.	4.1	56
6	The Interplay between Structure and Product Selectivity of CO ₂ Hydrogenation. <i>Angewandte Chemie</i> , 2019, 131, 11364-11369.	2.0	55
7	Nanoprecipitation as a simple and straightforward process to create complex polymeric colloidal morphologies. <i>Advances in Colloid and Interface Science</i> , 2021, 294, 102474.	14.7	55
8	Visible-Light-Driven Multichannel Regulation of Local Electron Density to Accelerate Activation of O-H and B-H Bonds for Ammonia Borane Hydrolysis. <i>ACS Catalysis</i> , 2020, 10, 14903-14915.	11.2	53
9	Simple but Precise Engineering of Functional Nanocapsules through Nanoprecipitation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6910-6913.	13.8	52
10	Central Role of Bicarbonate Anions in Charging Water/Hydrophobic Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 96-103.	4.6	45
11	General and Scalable Approach to Bright, Stable, and Functional AIE Fluorogen Colloidal Nanocrystals for in Vivo Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25154-25165.	8.0	35
12	Modular construction of single-component polymer nanocapsules through a one-step surfactant-free microemulsion templated synthesis. <i>Chemical Communications</i> , 2017, 53, 1401-1404.	4.1	27
13	Programmable Hierarchical Construction of Mixed/Multilayered Polysaccharide Nanocapsules through Simultaneous/Sequential Nanoprecipitation Steps. <i>Biomacromolecules</i> , 2019, 20, 3915-3923.	5.4	18
14	Brilliant glyconanocapsules for trapping of bacteria. <i>Chemical Communications</i> , 2015, 51, 13193-13196.	4.1	16
15	Activation and Spillover of Hydrogen on Sub \approx 1-2 nm Palladium Nanoclusters Confined within Sodalite Zeolite for the Semi-Hydrogenation of Alkynes. <i>Angewandte Chemie</i> , 2019, 131, 7750-7754.	2.0	16
16	Investigation of dietary fructooligosaccharides from different production methods: Interpreting the impact of compositions on probiotic metabolism and growth. <i>Journal of Functional Foods</i> , 2020, 69, 103955.	3.4	16
17	~Sweet as a Nut TM : Production and use of nanocapsules made of glycopolymer or polysaccharide shell. <i>Progress in Polymer Science</i> , 2021, 120, 101429.	24.7	16
18	Multivalent Thiosialosides and Their Synergistic Interaction with Pathogenic Sialidases. <i>Chemistry - A European Journal</i> , 2019, 25, 2358-2365.	3.3	15

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19	Nanoprecipitation of PHPMA (Co)Polymers into Nanocapsules Displaying Tunable Compositions, Dimensions, and Surface Properties. ACS Macro Letters, 2017, 6, 447-451.	4.8	13
20	All poly(ionic liquid) block copolymer nanoparticles from antagonistic isomeric macromolecular blocks <i>via</i> aqueous RAFT polymerization-induced self-assembly. Polymer Chemistry, 2021, 12, 82-91.	3.9	12
21	The effects of quorum sensing molecule farnesol on the yield and activity of extracellular polysaccharide from Grifola frondosa in liquid fermentation. International Journal of Biological Macromolecules, 2021, 191, 377-384.	7.5	12
22	A library of heptyl mannose-functionalized copolymers with distinct compositions, microstructures and neighboring non-sugar motifs as potent antiadhesives of type 1 pilated <i>E. coli</i>. Polymer Chemistry, 2016, 7, 2674-2683.	3.9	11
23	Photoactivated Organic Nanomachines for Programmable Enhancement of Antitumor Efficacy. Small, 2022, 18, e2201525.	10.0	11
24	Heptyl mannose decorated glyconanoparticles with tunable morphologies through polymerization induced self-assembly. Synthesis, functionalization and interactions with type 1 pilated E. coli. European Polymer Journal, 2019, 112, 170-175.	5.4	10
25	Nanocapsules Produced by Nanoprecipitation of Designed Suckerin-Silk Fusion Proteins. ACS Macro Letters, 2021, 10, 628-634.	4.8	10
26	Amphiphilic polyethylenimine (PEI) as highly efficient non-viral gene carrier. Organic and Biomolecular Chemistry, 2014, 12, 1975.	2.8	9
27	Magnetic Nanoparticles Coated with Thiomannosides or Iminosugars to Switch and Recycle Galactosidase Activity. ChemistrySelect, 2017, 2, 9552-9556.	1.5	9
28	Functional Hybrid Glyconanocapsules by a One-Pot Nanoprecipitation Process. Biomacromolecules, 2020, 21, 4591-4598.	5.4	8
29	Freeze/Thaw-Induced Carbon Dioxide Trapping Promotes Emulsification of Oil in Water. Journal of Physical Chemistry Letters, 2018, 9, 5998-6002.	4.6	3
30	Frontispiece: The Interplay between Structure and Product Selectivity of CO ₂ Hydrogenation. Angewandte Chemie - International Edition, 2019, 58, .	13.8	1
31	Frontispiz: The Interplay between Structure and Product Selectivity of CO ₂ Hydrogenation. Angewandte Chemie, 2019, 131, .	2.0	0
32	Titelbild: Activation and Spillover of Hydrogen on Subâ€1â€nm Palladium Nanoclusters Confined within Sodalite Zeolite for the Semiâ€Hydrogenation of Alkynes (Angew. Chem. 23/2019). Angewandte Chemie, 2019, 131, 7577-7577.	2.0	0