

# Pengpeng Yang

## List of Publications by Year in descending order

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32  
papers

426  
citations

687363

13  
h-index

794594

19  
g-index

32  
all docs

32  
docs citations

32  
times ranked

450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-Biocatalysts of Cyt <i>c</i> @ZIF-8/GO Composites with High Recyclability via a de Novo Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16066-16076.	8.0	74
2	Disruption of the Ergosterol Biosynthetic Pathway Results in Increased Membrane Permeability, Causing Overproduction and Secretion of Extracellular <i>Monascus</i> Pigments in Submerged Fermentation. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13673-13683.	5.2	29
3	Interfacial microenvironment for lipase immobilization: Regulating the heterogeneity of graphene oxide. <i>Chemical Engineering Journal</i> , 2020, 394, 125038.	12.7	28
4	Determination of Solubility of cAMPNa in Water + (Ethanol, Methanol, and Acetone) within 293.15–313.15 K. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 10803-10809.	3.7	22
5	Thermodynamics, crystal structure, and characterization of a bio-based nylon 54 monomer. <i>CrystEngComm</i> , 2019, 21, 7069-7077.	2.6	22
6	Production of 100% bio-based semi-aromatic nylon by aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid with bio aliphatic diamine. <i>Chemical Engineering Journal</i> , 2022, 437, 135361.	12.7	22
7	Acetone–butanol–ethanol competitive sorption simulation from single, binary, and ternary systems in a fixed bed of KA resin. <i>Biotechnology Progress</i> , 2015, 31, 124-134.	2.6	21
8	Co-localization of glucose oxidase and catalase enabled by a self-assembly approach: Matching between molecular dimensions and hierarchical pore sizes. <i>Food Chemistry</i> , 2019, 275, 197-205.	8.2	21
9	Solution-Mediated Polymorphic Transformation: From Amorphous to Crystals of Disodium Guanosine 5'-Monophosphate in Ethanol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 8274-8282.	3.7	20
10	Novel Mesoporous Lignin-Calcium for Efficiently Scavenging Cationic Dyes from Dyestuff Effluent. <i>ACS Omega</i> , 2021, 6, 816-826.	3.5	19
11	Determination of Metastable Zone Widths and the Primary Nucleation and Growth Mechanisms for the Crystallization of Disodium Guanosine 5'-Monophosphate from a Water–Ethanol System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 137-145.	3.7	17
12	Crystal structure, thermodynamics, and crystallization of bio-based polyamide 56 salt. <i>CrystEngComm</i> , 2020, 22, 3234-3241.	2.6	17
13	Insight into a direct solid–solid transformation: a potential approach for the removal of residual solvents. <i>CrystEngComm</i> , 2016, 18, 1699-1704.	2.6	14
14	Thermodynamics, Characterization, and Polymorphic Transformation of 1,5-Pentanediamine Carbonate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10185-10194.	3.7	13
15	Monohydrate and anhydrate of nylon 51 monomer 1,5-pentanediamine–isophthalate. <i>RSC Advances</i> , 2020, 10, 44774-44784.	3.6	11
16	Solvent effects on nucleation of disodium guanosine 5'-monophosphate in anti-solvent/water mixtures. <i>CrystEngComm</i> , 2016, 18, 6653-6663.	2.6	10
17	Synthesis, adsorption and molecular simulation study of methylamine-modified hyper-cross-linked resins for efficient removal of citric acid from aqueous solution. <i>Scientific Reports</i> , 2020, 10, 9623.	3.3	10
18	Crystal forms and phase transformation of 1,5-pentanediamine-terephthalate: a bio-based nylon 5T monomer. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 524-533.	1.1	9

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19	Enhanced Mechanical Properties of Polyvinyl Chloride-Based Wood-Plastic Composites With Pretreated Corn Stalk. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 829821.	4.1	9
20	Cooperative adsorption of L-tryptophan and sodium ion on a hyper-cross-linked resin: Experimental studies and mathematical modeling. <i>Journal of Chromatography A</i> , 2021, 1648, 462211.	3.7	7
21	<i>Clostridium acetobutylicum</i> Biofilm: Advances in Understanding the Basis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 658568.	4.1	5
22	Green Mechanochemical Strategy for the Construction of a New Bio-based Nylon 5 <sub>2</sub> Ternary Salt. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3513-3520.	6.7	4
23	Transformation of microstructure and phase of disodium guanosine 5'-monophosphate: Thermodynamic perspectives. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 2112-2120.	3.5	3
24	Application of a humidity-mediated method to remove residual solvent from crystal lattice. <i>Food Chemistry</i> , 2019, 294, 123-129.	8.2	3
25	Mass transfer process and separation mechanism of four 5'-ribonucleotides on a strong acid cation exchange resin. <i>Journal of Chromatography A</i> , 2020, 1634, 461681.	3.7	3
26	pH-dependent oiling-out during the polymorph transformation of disodium guanosine 5'-monophosphate. <i>CrystEngComm</i> , 2022, 24, 1630-1637.	2.6	3
27	Model-based design of an intermittent simulated moving bed process for recovering lactic acid from ternary mixture. <i>Journal of Chromatography A</i> , 2018, 1562, 47-58.	3.7	2
28	Hydrates of adenosine 3',5'-cyclic monophosphate sodium and their transformation. <i>CrystEngComm</i> , 2021, 23, 174-184.	2.6	2
29	Toward controlled geometric structure and surface property heterogeneities of TiO <sub>2</sub> for lipase immobilization. <i>Process Biochemistry</i> , 2021, 110, 118-128.	3.7	2
30	Design and optimization of JOEX process for highly efficient quaternary separation of 5'-ribonucleotides. <i>AIChE Journal</i> , 2022, 68, .	3.6	2
31	Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019, 35, 929-993.	4.4	1
32	The features of the crystal structure of the layered series hydrates of uridine-5'-monophosphate salts (UMPNa <sub>x</sub> ·yH <sub>2</sub> O). <i>RSC Advances</i> , 2022, 12, 3646-3653.	3.6	1