

# 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  
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docs citations

32  
times ranked

450  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The features of the crystal structure of the layered series hydrates of uridine-5â€²-monophosphate salts (UMPNa <sub>x</sub> ·yH <sub>2</sub> O). RSC Advances, 2022, 12, 3646-3653.                                  | 3.6  | 1         |
| 2  | pH-dependent oiling-out during the polymorph transformation of disodium guanosine 5â€²-monophosphate. CrystEngComm, 2022, 24, 1630-1637.  | 2.6  | 3         |
| 3  | Design and optimization of JOEX process for highly efficient quaternary separation of 5â€²-ribonucleotides. AIChE Journal, 2022, 68, .  | 3.6  | 2         |
| 4  | Green Mechanochemical Strategy for the Construction of a New Bio-based Nylon 5 <sub>2</sub> 4T Ternary Salt. ACS Sustainable Chemistry and Engineering, 2022, 10, 3513-3520.  | 6.7  | 4         |
| 5  | Production of 100% bio-based semi-aromatic nylon by aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid with bio aliphatic diamine. Chemical Engineering Journal, 2022, 437, 135361.           | 12.7 | 22        |
| 6  | Hydrates of adenosine 3â€²,5â€²-cyclic monophosphate sodium and their transformation. CrystEngComm, 2021, 23, 174-184.  | 2.6  | 2         |
| 7  | Clostridium acetobutylicum Biofilm: Advances in Understanding the Basis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 658568.  | 4.1  | 5         |
| 8  | Cooperative adsorption of L-tryptophan and sodium ion on a hyper-cross-linked resin: Experimental studies and mathematical modeling. Journal of Chromatography A, 2021, 1648, 462211.                                 | 3.7  | 7         |
| 9  | Toward controlled geometric structure and surface property heterogeneities of TiO <sub>2</sub> for lipase immobilization. Process Biochemistry, 2021, 110, 118-128.   | 3.7  | 2         |
| 10 | Novel Mesoporous Lignin-Calcium for Efficiently Scavenging Cationic Dyes from Dyestuff Effluent. ACS Omega, 2021, 6, 816-826.   | 3.5  | 19        |
| 11 | Enhanced Mechanical Properties of Polyvinyl Chloride-Based Woodâ€“Plastic Composites With Pretreated Corn Stalk. Frontiers in Bioengineering and Biotechnology, 2021, 9, 829821.                                      | 4.1  | 9         |
| 12 | Mass transfer process and separation mechanism of four 5â€²-ribonucleotides on a strong acid cation exchange resin. Journal of Chromatography A, 2020, 1634, 461681.  | 3.7  | 3         |
| 13 | Interfacial microenvironment for lipase immobilization: Regulating the heterogeneity of graphene oxide. Chemical Engineering Journal, 2020, 394, 125038.  | 12.7 | 28        |
| 14 | Thermodynamics, Characterization, and Polymorphic Transformation of 1,5-Pentanediamine Carbonate. Industrial & Engineering Chemistry Research, 2020, 59, 10185-10194.   | 3.7  | 13        |
| 15 | Synthesis, adsorption and molecular simulation study of methylamine-modified hyper-cross-linked resins for efficient removal of citric acid from aqueous solution. Scientific Reports, 2020, 10, 9623.                | 3.3  | 10        |
| 16 | Crystal structure, thermodynamics, and crystallization of bio-based polyamide 56 salt. CrystEngComm, 2020, 22, 3234-3241.   | 2.6  | 17        |
| 17 | Monohydrate and anhydrate of nylon 5I monomer 1,5-pentanediamineâ€“isophthalate. RSC Advances, 2020, 10, 44774-44784.   | 3.6  | 11        |
| 18 | Crystal forms and phase transformation of 1,5-pentanediamine-terephthalate: a bio-based nylon 5T monomer. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 524-533. | 1.1  | 9         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | 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        |
| 20 | Application of a humidity-mediated method to remove residual solvent from crystal lattice. <i>Food Chemistry</i> , 2019, 294, 123-129.   | 8.2 | 3         |
| 21 | Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019, 35, 929-993.  | 4.4 | 1         |
| 22 | Thermodynamics, crystal structure, and characterization of a bio-based nylon 54 monomer. <i>CrystEngComm</i> , 2019, 21, 7069-7077.  | 2.6 | 22        |
| 23 | 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        |
| 24 | 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        |
| 25 | 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         |
| 26 | 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         |
| 27 | 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        |
| 28 | Solvent effects on nucleation of disodium guanosine 5'-monophosphate in anti-solvent/water mixtures. <i>CrystEngComm</i> , 2016, 18, 6653-6663.  | 2.6 | 10        |
| 29 | 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        |
| 30 | 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        |
| 31 | 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        |
| 32 | 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        |