

Yi-Kang Lan

List of Publications by Year in descending order

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18
papers

582
citations

840776

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839539

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18
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18
docs citations

18
times ranked

965
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | A Theoretical Study of the Charge Transfer Behavior of the Highly Regioregular Poly-3-hexylthiophene in the Ordered State. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14857-14862. | 2.6 | 154 |
| 2 | Charge Mobility and Transport Behavior in the Ordered and Disordered States of the Regioregular Poly(3-hexylthiophene). <i>Journal of Physical Chemistry B</i> , 2009, 113, 14555-14564. | 2.6 | 116 |
| 3 | Theoretical investigations of electronic structure and charge transport properties in polythiophene-based organic field-effect transistors. <i>Polymer International</i> , 2010, 59, 16-21. | 3.1 | 70 |
| 4 | Probing water micro-solvation in proteins by water catalysed proton-transfer tautomerism. <i>Nature Communications</i> , 2013, 4, 2611. | 12.8 | 63 |
| 5 | Carbene Rotamer Switching Explains the Reverse Trans Effect in Forming the Grubbs Second-Generation Olefin Metathesis Catalyst. <i>Organometallics</i> , 2011, 30, 4196-4200. | 2.3 | 59 |
| 6 | Nucleation of Polymer Crystals: The "Mystery". <i>Macromolecules</i> , 2010, 43, 7908-7912. | 4.8 | 19 |
| 7 | On the Stereoselectivity of Ring-Opening Metathesis Polymerization (ROMP) of <i>N</i> -Arylpyrrolidine-Fused Cyclobutenes with Molybdenum and Ruthenium Alkylidene Catalyst. <i>Macromolecules</i> , 2013, 46, 7173-7179. | 4.8 | 19 |
| 8 | Phase Behavior of Amphiphilic Molecules in the Presence of One Solvent: A Dissipative Particle Dynamics Study. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 77-85. | 1.4 | 16 |
| 9 | Probing the Interaction between Prostacyclin Synthase and Prostaglandin H ₂ Analogues or Inhibitors via a Combination of Resonance Raman Spectroscopy and Molecular Dynamics Simulation Approaches. <i>Journal of the American Chemical Society</i> , 2011, 133, 18870-18879. | 13.7 | 12 |
| 10 | The In Situ Tryptophan Analogue Probes the Conformational Dynamics in Asparaginase Isozymes. <i>Biophysical Journal</i> , 2016, 110, 1732-1743. | 0.5 | 12 |
| 11 | Primary nucleation of polyethylene: Embryogenesis from a semidilute solution. <i>Polymer</i> , 2014, 55, 3087-3092. | 3.8 | 11 |
| 12 | Ambipolar carrier transport properties in a built-in donor-acceptor discogen. <i>Organic Electronics</i> , 2013, 14, 2065-2070. | 2.6 | 8 |
| 13 | Sequential Epitaxial Organization of Poly(9,9-di-n-octyl-2,7-fluorene) in an Eutectic System. <i>Macromolecules</i> , 2013, 46, 1820-1831. | 4.8 | 8 |
| 14 | Nucleation of decahedral Ag nanocrystals. <i>RSC Advances</i> , 2014, 4, 13768-13773. | 3.6 | 6 |
| 15 | Protonated Amino Acid-Induced One-Handed Helicity of Polynorbornene Having Monoaza-18-crown-6 Pendants. <i>Macromolecules</i> , 2010, 43, 8813-8820. | 4.8 | 5 |
| 16 | Crystallization of $\hat{1}\pm$ versus $\hat{1}^2$ Phases in Syndiotactic Poly(styrene-stat-3-methylstyrene) and Poly(styrene-stat-4-methylstyrene). <i>ACS Applied Polymer Materials</i> , 2019, 1, 251-258. | 4.4 | 2 |
| 17 | Graphoepitaxial assembly of carbon nanotubes on polysynthetic twins assisted by synergistic secondary interactions. <i>Materials Today Communications</i> , 2017, 10, 95-104. | 1.9 | 1 |
| 18 | Steady self-scrolling of graphene sheets upon the solvation status of adsorbed polyhexylthiophene. <i>Polymer</i> , 2021, 224, 123758. | 3.8 | 1 |