

Manussada Ratanasak

List of Publications by Year in descending order

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17
papers

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Deoxygenative CO ₂ conversions with triphenylborane and phenylsilane in the presence of secondary amines or nitrogen-containing aromatics. <i>Green Chemistry</i> , 2022, 24, 2385-2390. | 9.0 | 12 |
| 2 | Exploring the Reaction Mechanism of Heterobimetallic Nickel-Alkali Catalysts for Ethylene Polymerization: Secondary-Metal-Ligand Cooperative Catalysis. <i>ChemCatChem</i> , 2022, 14, . | 3.7 | 5 |
| 3 | Chemoselective Transesterification of Methyl (Meth)acrylates Catalyzed by Sodium(I) or Magnesium(II) Aryloxides. <i>ACS Catalysis</i> , 2021, 11, 199-207. | 11.2 | 10 |
| 4 | Mechanism of the Asymmetric Dehydrative Allylative Cyclization of Alcohols to Cyclic Ethers Catalyzed by a CpRu Complex of the Chiral Picolinic Acid-Type Ligand, Cl-Naph-PyCOOH: Is a π -Allyl Intermediate Present?. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 440-450. | 3.2 | 1 |
| 5 | Design and prediction of high potent <i>ansa</i> -zirconocene catalyst for olefin polymerizations: combined DFT calculations and QSPR approach. <i>New Journal of Chemistry</i> , 2021, 45, 8248-8257. | 2.8 | 5 |
| 6 | A boron-transfer mechanism mediating the thermally induced revival of frustrated carbene-borane pairs from their shelf-stable adducts. <i>Communications Chemistry</i> , 2021, 4, . | 4.5 | 3 |
| 7 | Aluminum porphyrins with quaternary ammonium halides as catalysts for copolymerization of cyclohexene oxide and CO ₂ : metal-ligand cooperative catalysis. <i>Chemical Science</i> , 2020, 11, 5669-5675. | 7.4 | 54 |
| 8 | Roles of Salicylate Donors in Enhancement of Productivity and Isotacticity of Ziegler-Natta Catalyzed Propylene Polymerization. <i>Polymers</i> , 2020, 12, 883. | 4.5 | 6 |
| 9 | Synthesis of silyl formates, formamides, and aldehydes via solvent-free organocatalytic hydrosilylation of CO ₂ . <i>Chemical Communications</i> , 2020, 56, 5783-5786. | 4.1 | 37 |
| 10 | Theoretical Study on the C-H Activation of Methane by Liquid Metal Indium: Catalytic Activity of Small Indium Clusters. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8907-8912. | 2.5 | 16 |
| 11 | Quaternary Alkyl Ammonium Salt-Catalyzed Transformation of Glycidol to Glycidyl Esters by Transesterification of Methyl Esters. <i>ACS Catalysis</i> , 2018, 8, 1097-1103. | 11.2 | 21 |
| 12 | Ethylene insertion in the presence of new alkoxy silane electron donors for Ziegler-Natta catalyzed polyethylene. <i>Computational and Theoretical Chemistry</i> , 2017, 1112, 10-19. | 2.5 | 2 |
| 13 | Effects of shape, size, and pyrene doping on electronic properties of graphene nanoflakes. <i>Journal of Molecular Modeling</i> , 2017, 23, 355. | 1.8 | 8 |
| 14 | Understanding the roles of novel electron donors in Ziegler-Natta catalyzed propylene polymerization. <i>RSC Advances</i> , 2016, 6, 112776-112783. | 3.6 | 12 |
| 15 | Optimizing link atom parameters for DNA QM/MM simulations. <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1. | 1.4 | 5 |
| 16 | Towards the design of new electron donors for Ziegler-Natta catalyzed propylene polymerization using QSPR modeling. <i>Polymer</i> , 2015, 56, 340-345. | 3.8 | 18 |
| 17 | Roles of malonate donor on activity and stereoselectivity of Ziegler-Natta catalyzed propylene polymerization. <i>Journal of Organometallic Chemistry</i> , 2015, 775, 6-11. | 1.8 | 17 |