# Nishamol Kuriakose

List of Publications by Year
in descending order



| 14 | 246 | 1307594 7 | 1125743 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 15 | 15 | 15 | 255 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Coverage dependent CO2 activation on Ti2C(111) surface: Effect of intrinsic subsurface Carbon vacanciesâ€. Surface Science, 2021, 706, 121798. | 1.9 | 1 |
| 2 | CH<sub>4</sub> activation and Câ€“C coupling on the Ti<sub>2</sub>C(100) surface in the presence of intrinsic C-vacancies: is excess good?. Journal of Materials Chemistry A, 2021, 9, 23703-23713. | 10.3 | 2 |
| 3 | CO<sub>2</sub> capture, activation and dissociation on the Ti<sub>2</sub>C surface and Ti<sub>2</sub>C MXene: the role of surface structure. Physical Chemistry Chemical Physics, 2020, 22, 14599-14612. | 2.8 | 30 |
| 4 | Modeling the effect of ligands and solvation on hydrolysis variants in the Pd(II)-Catalyzed hydroxycarbonylation of pentenoic acids. Journal of Organometallic Chemistry, 2020, 914, 121221. | 1.8 | 0 |
| 5 | Câ€“C coupling at a zeolite-supported Rh(<scp>i</scp>) complex. DFT search for the mechanism. Catalysis Science and Technology, 2019, 9, 2781-2793. | 4.1 | 8 |
| 6 | Characterization of Rhâ€“Al Bond in Rh(PAlP) (PAlP = Pincer-type Diphosphino-Aluminyl Ligand) in Comparison with Rh(L)(PMe<sub>3</sub>)<sub>2</sub> (L = AlMe<sub>2</sub>,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (Al(NM | 4.0 | 27 |
| 7 | Ethene Dimerization and Hydrogenation over a Zeolite-Supported Rh(I)-Carbonyl Complex: Mechanistic Insights from DFT Modeling. ACS Catalysis, 2018, 8, 9836-9846. | 11.2 | 14 |
| 8 | Rhodium Complexes Bearing PAlP Pincer Ligands. Journal of the American Chemical Society, 2018, 140, 7070-7073. | 13.7 | 96 |
| 9 | Can main group systems act as superior catalysts for dihydrogen generation reactions? A computational investigation. Dalton Transactions, 2016, 45, 5968-5977. | 3.3 | 1 |
| 10 | Can substituted allenes be highly efficient leaving groups in catalytic processes? A computational investigation. Journal of Computational Chemistry, 2015, 36, 795-804. | 3.3 | 2 |
| 11 | New insights into small molecule activation by acyclic silylenes: a computational investigation. Dalton Transactions, 2014, 43, 2194-2201. | 3.3 | 20 |
| 12 | Asymmetric transfer hydrogenation of imines in water/methanol co-solvent system and mechanistic investigation by DFT study. RSC Advances, 2014, 4, 46351-46356. | 3.6 | 18 |
| 13 | Can Molecular Cages Be Effective at Small Molecule Activation? A Computational Investigation. Inorganic Chemistry, 2013, 52, 4238-4243. | 4.0 | 2 |
| 14 | A Theoretical Study of Metalâ€“Metal Cooperativity in the Homogeneous Water Gas Shift Reaction. Inorganic Chemistry, 2012, 51, 377-385. | 4.0 | 25 |