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| Title:                  | Studies on the Ni-Catalyzed Synthesis of Tertiary Amides and Pd-Catalyzed Synthesis of $\alpha$ -Naphthol-Based Triarylmethanes, Ortho-Arylated D-(-)-Phenylglycine Methyl Esters and $\beta$ -Arylated Keto Acids  |
| Authors:                | Sankar, Rathinam (/jspui/browse?type=author&value=Sankar%2C+Rathinam)   |
| Keywords:               | Chemistry<br>Catalyzed Synthesis of Tertiary Amides<br>$\beta$ -Arylated Keto Acids<br>Bidentate picolinamide directing group<br>Palladium-catalyzed desulfative Heck reaction  |
| Issue Date:             | 3-Aug-2018  |
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| Abstract:               | This thesis entitled "Studies on the Ni-Catalyzed Synthesis of Tertiary Amides and Pd- Catalyzed Synthesis of $\alpha$ -Naphthol-Based Triarylmethanes, Ortho-Arylated D-(-)- Phenylglycine Methyl Esters and $\beta$ -Arylated Keto Acids" deals on (a) the construction of tertiary amides via the Ni(II)-catalyzed N-arylation of secondary acyclic amides (2- picolinamides) with aryl halides, (b) palladium-catalyzed desulfative Heck reaction and synthesis of $\alpha$ -naphthol-based triarylmethanes, (c) palladium-catalyzed ortho-arylation of D- (-)-2-phenylglycine methyl ester using bidentate picolinamide directing group and (d) palladium-catalyzed bidentate ligand directed $\beta$ -C(sp <sup>3</sup> )-H functionalization on $\epsilon$ -, $\zeta$ -, $\eta$ -keto acids. |
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