

# GROUPS WHOSE PROPER QUOTIENTS ARE NILPOTENT-BY-FINITE

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## ABSTRACT

If  $\mathfrak{X}$  is a class of groups, a group  $G$  is said to be just-non- $\mathfrak{X}$  if it is not in  $\mathfrak{X}$  but all its proper quotients are  $\mathfrak{X}$ -groups. A description of just-non-(nilpotent-by-finite) groups and just-non-(supersoluble-by-finite) groups is given in this paper.