Abstract: Let $A$ and $B$ be bounded operators on a Banach lattice $E$ such that the commutator $C = AB - BA$ and the product $BA$ are positive operators. If the product $AB$ is a power-compact operator, then $C$ is a quasi-nilpotent operator having a triangularizing chain of closed ideals of $E$. If the resolvent set of the operator $C$ is connected, then $C$ is not invertible. Some related results will be also discussed.

References

