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3阶非线性光学材料的研究进展及其展望

(吉首大学物理与机电工程学院, 湖南 吉首 416000)

Progress in the Study of Third-Order Nonlinear Optical Materials

(College of Physics and Mechanical & Electrical Engineering, Jishou University, Jishou 416000, Hunan China)

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摘要 综述了3阶非线性光学材料的研究进展,重点阐述了有机及无机物质的3阶非线性光学性质及其应用,最后就3阶非线性光学材料的研究及应用前景和方向进行展望.

关键词: 3阶非线性光学性质 非线性光学材料 非线性吸收 非线性折射

Abstract: This paper summarizes the recent progress in the study of third-order nonlinear optical (NLO) materials, introduces the third-order NLO properties and application, and it especially emphasizes the inorganic and organic nonlinear optical materials.

Key words: third-order nonlinear optical property nonlinear optical materials nonlinear refraction nonlinear absorption

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