

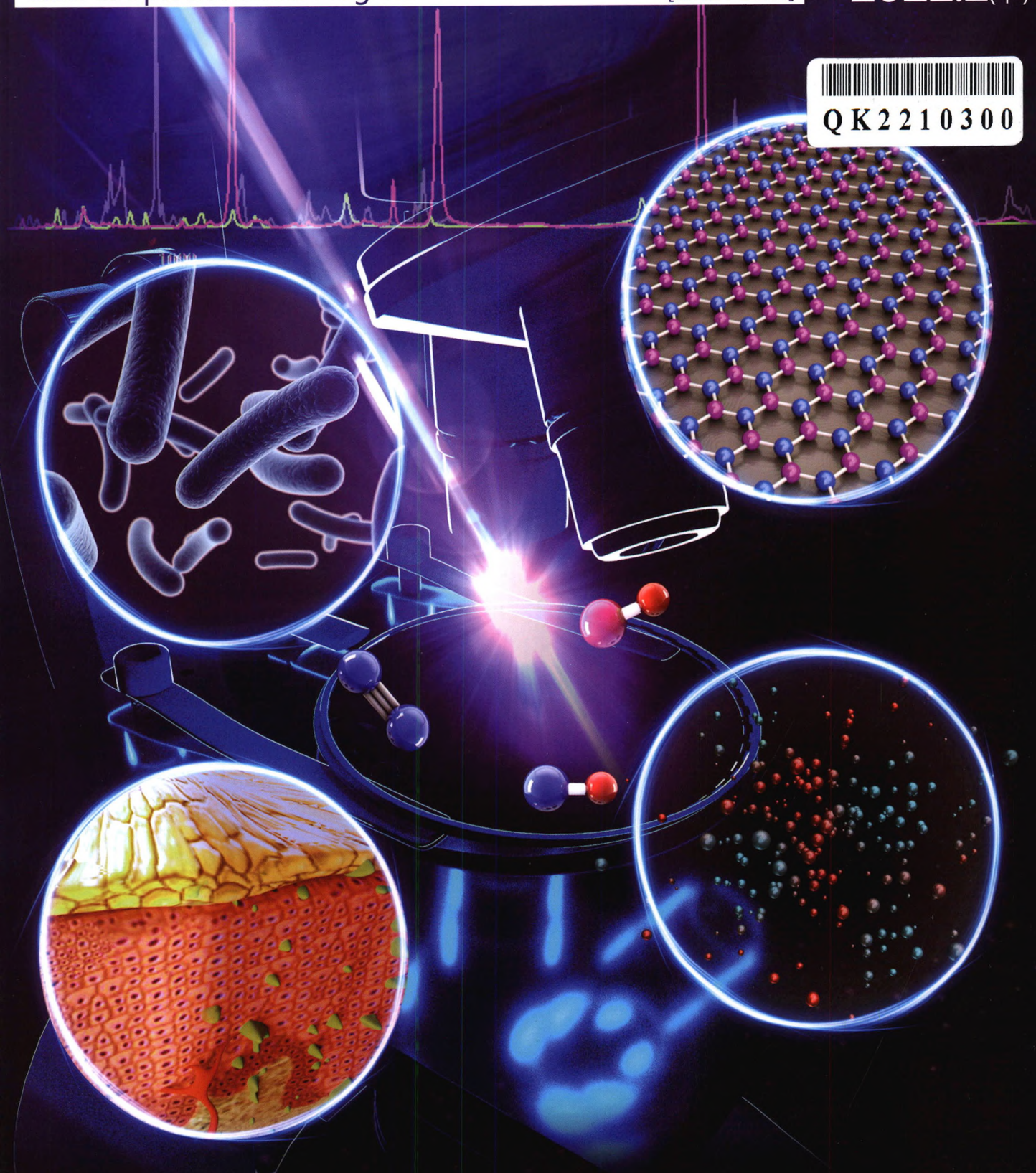
激光与光电子学进展

第 59 卷
第 4 期

Laser & Optoelectronics Progress

[总第711期]

2022.2(下)



ISSN 1006-4125



DOI: 10.3788/LOP202259.0400001

中国科学院上海光学精密机械研究所 主办

激光与光电子学进展

—— 先进成像 ——

第 59 卷 第 4 期 2022 年 2 月 25 日

(总第 711 期)

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封面解读

本封面体现了相干拉曼散射成像技术的原理,概述了该技术在多个领域的应用。拉曼散射反映的是样本中的分子键/晶格振动,具有化学组分特异性,该现象发生的概率约为百万分之一。相干拉曼散射通过非线性相干过程可将原本微弱的自发拉曼信号提高数个量级,从而实现快速实时成像,广泛应用于细胞生物学,组织生物学,神经生物学,微生物学,药理学,材料科学等领域。

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Vol. 59, No. 4 (Series No. 711) February 25, 2022

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特别专辑

“先进成像”封面文章

2021年

