

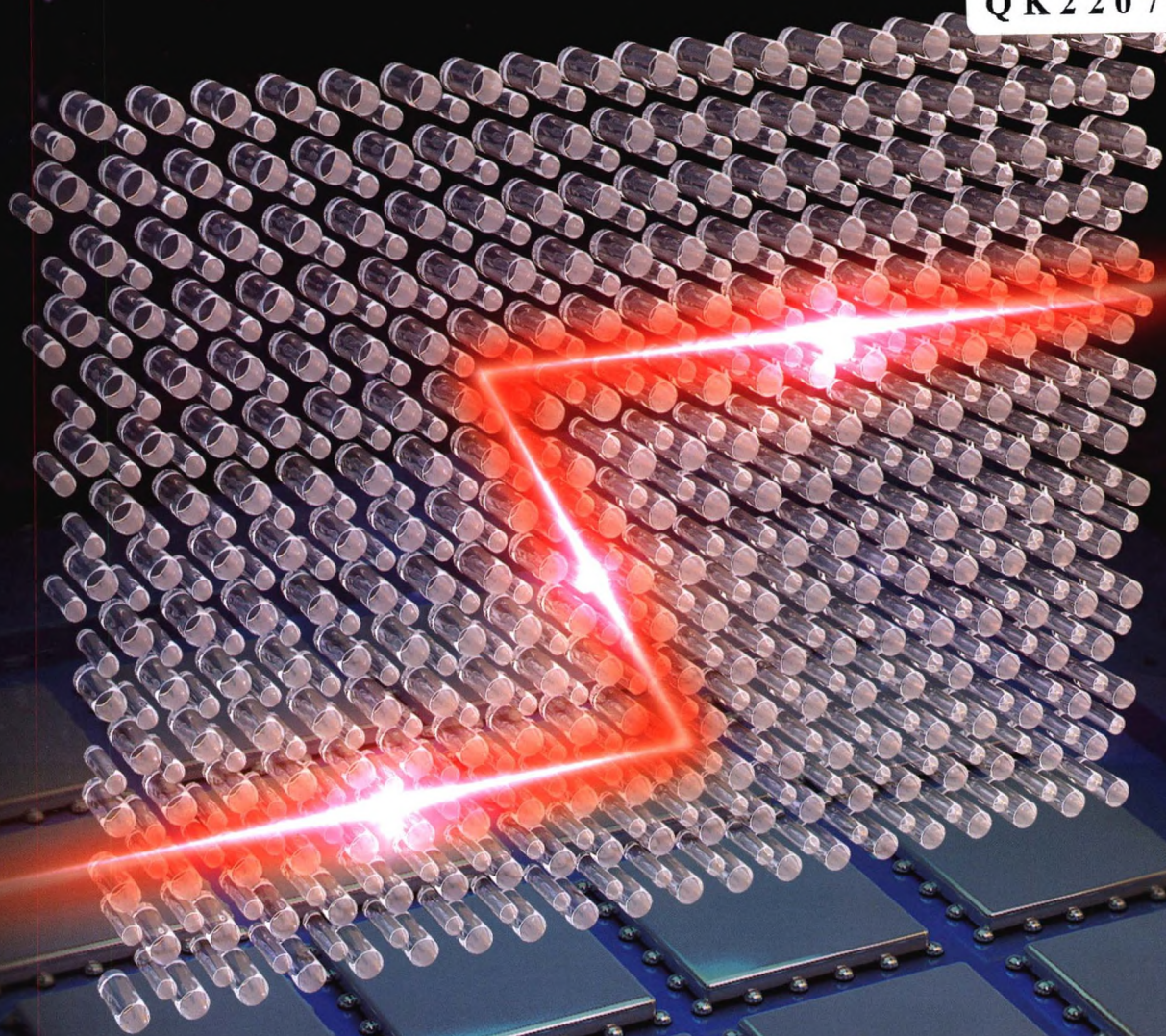
# 激光与光电子学进展

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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

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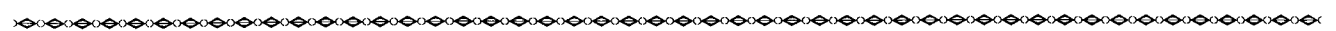
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## 封面解读

封面展示了将拓扑光子晶体应用在硅光芯片开发上的潜力。将拓扑现象引入光子晶体进行设计,产生的拓扑边缘态对光进行限制和传输,该效应具有极高的单向性、对缺陷的鲁棒性、高传输效率等。拓扑光学硅光芯片不仅能提高芯片自身的传导性能,还可以避免芯片在生产过程中由于工艺失误而造成的光路损耗,在硅光芯片发展过程中极具潜力。

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Laser & Optoelectronics Progress

特别专辑

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2021年

