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Cover Illustration

Silicon photonics is to study the use of CMOS process compatible silicon-based platform to realize the scale integration of photonic devices, electronic devices and optoelectronic devices. The applications of silicon photonics cover a wide range of fields, such as data center optical interconnection, optical computing, lidar, biochemical sensing, quantum communication and quantum computing.

This special issue (Recent Advances in Silicon Photonics (Guest Editors: Dingshan Gao, Zhiping Zhou)) covers the latest progress of silicon-based optoelectronic devices and integration technology, as well as their applications.

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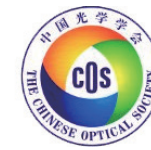
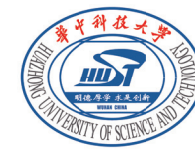
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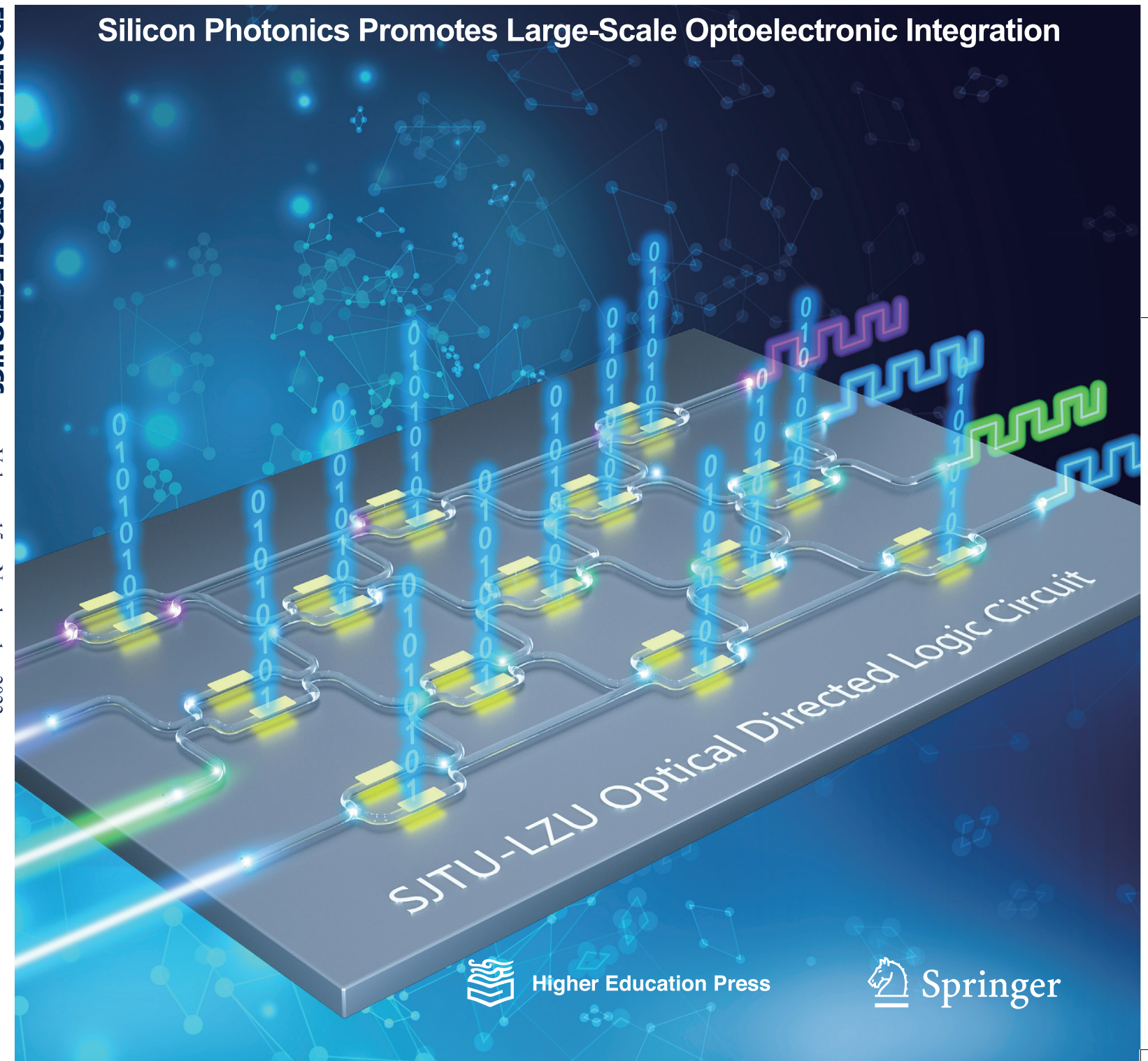
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