

Sonia Buckley

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

649
citations

840776

11
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

723
citing authors

#	ARTICLE	IF	CITATIONS
1	2022 Roadmap on integrated quantum photonics. JPhys Photonics, 2022, 4, 012501.	4.6	152
2	PHIDL: <sc>Python</sc>-based layout and geometry creation for nanolithography. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, .	1.2	7
3	Superconducting microwire detectors based on WSi with single-photon sensitivity in the near-infrared. Applied Physics Letters, 2020, 116, .	3.3	48
4	Low-loss, high-bandwidth fiber-to-chip coupling using capped adiabatic tapered fibers. APL Photonics, 2020, 5, .	5.7	28
5	Microring resonator-coupled photoluminescence from silicon W centers. JPhys Photonics, 2020, 2, 045001.	4.6	12
6	Microresonator-enhanced, Waveguide-coupled Emission from Silicon Defect Centers for Superconducting Optoelectronic Networks. , 2020, , .		2
7	Superconducting optoelectronic loop neurons. Journal of Applied Physics, 2019, 126, .	2.5	51
8	III-V photonic integrated circuit with waveguide-coupled light-emitting diodes and WSi superconducting single-photon detectors. Applied Physics Letters, 2019, 115, 081105.	3.3	16
9	A superconducting thermal switch with ultrahigh impedance for interfacing superconductors to semiconductors. Nature Electronics, 2019, 2, 451-456.	26.0	56
10	Superconducting Optoelectronic Circuits for Neuromorphic Computing. Physical Review Applied, 2017, 7, .	3.8	138
11	All-silicon light-emitting diodes waveguide-integrated with superconducting single-photon detectors. Applied Physics Letters, 2017, 111, .	3.3	66
12	Room-temperature-deposited dielectrics and superconductors for integrated photonics. Optics Express, 2017, 25, 10322.	3.4	31
13	Visible Photoluminescence from Cubic (3C) Silicon Carbide Microdisks Coupled to High Quality Whispering Gallery Modes. ACS Photonics, 2015, 2, 14-19.	6.6	42