

Masafumi Ayata

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

530
citations

1163117
8
h-index

1588992
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11
all docs

11
docs citations

11
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonicsâ€™ high-speed photonics for co-integration with electronics. Japanese Journal of Applied Physics, 2021, 60, SB0806.	1.5	12
2	A monolithic bipolar CMOS electronicâ€™ plasmonic high-speed transmitter. Nature Electronics, 2020, 3, 338-345.	26.0	89
3	Deep learning based digital backpropagation demonstrating SNR gain at low complexity in a 1200â€™...km transmission link. Optics Express, 2020, 28, 29318.	3.4	36
4	All-Plasmonic IQ Modulator With a 36 Î¼m Fiber-to-Fiber Pitch. Journal of Lightwave Technology, 2019, 37, 1492-1497.	4.6	10
5	Ultra-Compact Terabit Plasmonic Modulator Array. Journal of Lightwave Technology, 2019, 37, 1484-1491.	4.6	26
6	Compact, ultra-broadband plasmonic grating couplers. Optics Express, 2019, 27, 29719.	3.4	11
7	Ultra-Compact 0.8 Tbit/s Plasmonic Modulator Array. , 2018, , .		3
8	Plasmonics for Communications. , 2018, , .		3
9	Multi-scale theory-assisted nano-engineering of plasmonic-organic hybrid electro-optic device performance. , 2018, , .		1
10	High-speed plasmonic modulator in a single metal layer. Science, 2017, 358, 630-632.	12.6	236
11	Perpendicular Grating Coupler Based on a Blazed Antireflection Structure. Journal of Lightwave Technology, 2017, 35, 4663-4669.	4.6	103