

# Masafumi Ayata

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4510981/publications.pdf>

Version: 2024-02-01

11  
papers

530  
citations

1163117  
8  
h-index

1588992  
8  
g-index

11  
all docs

11  
docs citations

11  
times ranked

741  
citing authors

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