

Sebastian Engelmann

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

452
citations

1937685

4
h-index

1872680

6
g-index

18
all docs

18
docs citations

18
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic metacrystal: design methodology and experimental characterization. Optics Express, 2022, 30, 7612.	3.4	3
2	Significance of plasma-photoresist interactions for atomic layer etching processes with extreme ultraviolet photoresist. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	4
3	Experimental realization of deep-subwavelength confinement in dielectric optical resonators. Science Advances, 2018, 4, eaat2355.	10.3	117
4	Breaking the mold of photonic packaging. , 2018, , .		2
5	Towards co-packaging of photonics and microelectronics in existing manufacturing facilities. , 2018, , .		2
6	High-Throughput Photonic Packaging. , 2017, , .		5
7	Sub-Micron Bondline-Shape Control in Automated Assembly of Photonic Devices. , 2016, , .		8
8	Toward High-Yield 3D Self-Alignment of Flip-Chip Assemblies via Solder Surface Tension. , 2016, , .		12
9	A Novel Approach to Photonic Packaging Leveraging Existing High-Throughput Microelectronic Facilities. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 455-466.	2.9	77
10	A compliant polymer interface with 1.4dB loss between standard fibers and nanophotonic waveguides. , 2016, , .		11
11	A Metamaterial Converter Centered at 1490nm for Interfacing Standard Fibers to Nanophotonic Waveguides. , 2016, , .		15
12	Formation of nanometer-thick delaminated amorphous carbon layer by two-step plasma processing of methacrylate-based polymer. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, .	1.2	8
13	An O-band Metamaterial Converter Interfacing Standard Optical Fibers to Silicon Nanophotonic Waveguides. , 2015, , .		50
14	Automated, self-aligned assembly of 12 fibers per nanophotonic chip with standard microelectronics assembly tooling. , 2015, , .		18
15	Optical Demonstration of a Compliant Polymer Interface between Standard Fibers and Nanophotonic Waveguides. , 2015, , .		17
16	Flip chip assembly with sub-micron 3D re-alignment via solder surface tension. , 2015, , .		17
17	Assembly of mechanically compliant interfaces between optical fibers and nanophotonic chips. , 2014, , .		25
18	Understanding the Roughening and Degradation of 193nm Photoresist during Plasma Processing: Synergistic Roles of Vacuum Ultraviolet Radiation and Ion Bombardment. Plasma Processes and Polymers, 2009, 6, 649-657.	3.0	61