

# Masahiko Jinno

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

549  
citations

933447

10  
h-index

996975

15  
g-index

33  
all docs

33  
docs citations

33  
times ranked

354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrally and spatially flexible optical network planning and operations. , 2015, 53, 69-78.		155
2	Elastic Optical Networking: Roles and Benefits in Beyond 100-Gb/s Era. Journal of Lightwave Technology, 2017, 35, 1116-1124.	4.6	93
3	Spatial Channel Network (SCN): Opportunities and Challenges of Introducing Spatial Bypass Toward the Massive SDM Era [Invited]. Journal of Optical Communications and Networking, 2019, 11, 1.	4.8	70
4	Spatial Channel Cross-Connect Architectures for Spatial Channel Networks. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-16.	2.9	30
5	Principle, Design, and Prototyping of Core Selective Switch Using Free-Space Optics for Spatial Channel Network. Journal of Lightwave Technology, 2020, 38, 4895-4905.	4.6	28
6	Feasibility Demonstration of Spatial Channel Networking Using SDM/WDM Hierarchical Approach for Peta-b/s Optical Transport. Journal of Lightwave Technology, 2020, 38, 2577-2586.	4.6	23
7	Technoeconomic analysis of spatial channel networks (SCNs): benefits from spatial bypass and spectral grooming [Invited]. Journal of Optical Communications and Networking, 2021, 13, A124.	4.8	17
8	Advantages of IP over elastic optical networks using multi-flow transponders from cost and equipment count aspects. Optics Express, 2014, 22, 62.	3.4	16
9	Unified Architecture of an Integrated SDM-WSS Employing a PLC-Based Spatial Beam Transformer Array for Various Types of SDM Fibers. Journal of Optical Communications and Networking, 2017, 9, A198.	4.8	16
10	Core Selective Switch With Low Insertion Loss Over Ultra-Wide Wavelength Range for Spatial Channel Networks. Journal of Lightwave Technology, 2022, 40, 1821-1828.	4.6	12
11	Impact of Transponder Architecture on the Scalability of Optical Nodes in Elastic Optical Networks. IEEE Communications Letters, 2013, 17, 1846-1848.	4.1	11
12	Spatial Channel Network (SCN) Architecture Employing Growable and Reliable Spatial Channel Cross-Connects Toward Massive SDM Era. , 2018, , .		11
13	Enhancing the flexibility and functionality of SCNs: demonstration of evolution toward any-core-access, nondirectional, and contentionless spatial channel cross-connects [Invited]. Journal of Optical Communications and Networking, 2021, 13, D80.	4.8	8
14	Added Value of Introducing Spatial Bypass into WDM/SDM Networks: Gaussian-Noise Model Analysis for Spatially-Bypassed and Spectrally-Groomed Optical Channels. , 2018, , .		7
15	Required Link and Node Resource Comparison in Spatial Channel Networks (SCNs) Employing Modular Spatial Channel Cross-Connects (SXC)s. , 2019, , .		7
16	Five-Core Å— Core Selective Switch and Its Application to Spatial Channel Networking. , 2020, , .		7
17	Ultra-Wideband and Low-Loss Core Selective Switch Employing Two-Dimensionally Arranged MEMS Mirrors. , 2021, , .		5
18	Design and evaluation of a reconfigurable optical add-drop multiplexer with flexible wave-band routing in SDM networks. Journal of Optical Communications and Networking, 2022, 14, 248.	4.8	5

#	ARTICLE	IF	CITATIONS
19	P-Cycle Design for Translucent Elastic Optical Networks. , 2019, , .		4
20	Frequency-Packed Multiband-Coherent Transceiver With Symbol Rate-Adaptive Nyquist WDM Signals. IEEE Photonics Technology Letters, 2021, 33, 1205-1208.	2.5	4
21	Core Selective Switch Supporting 15 Cores Per Port Using Bundled Three 5-Core Fibers. , 2022, , .		4
22	Time-Domain Hybrid PAM for Data-Rate and Distance Adaptive UWOC System. IEEE Access, 2021, , 1-1.	4.2	3
23	Benefits of Hierarchical Spatial Bypassing and Spectral Grooming in Spatial Channel Networks. , 2020, , .		3
24	Baud-Rate-Adaptive OLT Integrated-Coherent Transceiver for Nyquist Spectral Shaped/Channel Spaced WDM-PON. , 2020, , .		3
25	High-Throughput and High-Port-Count Optical Cross- Connects Using Flexible Waveband Routing. , 2020, , .		2
26	Feasibility Demonstration of Integrated Fractional Joint Switching WSS Applicable for Few-Mode Multicore Fiber. , 2018, , .		1
27	Architectures of Spatial Add/Drop Multiplexer and Cross-Connect for Spatial Channel Networks. , 2020, , .		1
28	Hierarchical SDM/WDM ROADM with Any Core Access for Spatial Channel Ring Network. , 2020, , .		1
29	Evolution Scenarios for Spatial Channel Networks Toward 1-Pb/s Optical Transport and Beyond. , 2020, , .		1
30	DRAMA+: Disaster Management With Mitigation Awareness for Translucent Elastic Optical Networks. IEEE Transactions on Network and Service Management, 2022, 19, 2587-2599.	4.9	1
31	Demonstration of Any-Core-Access Non-Directional Spatial Cross-Connects Based on Core Selective Switch with and without Core-Contention Constraint. , 2020, , .		0
32	Experimental Demonstration of Ultrawide Bandwidth-Range Optical Channel Provisioning Using SDM/WDM Hierarchical Optical Cross-Connect. , 2021, , .		0
33	Core Selective Switch and Its Application to Space Division Multiplexing Submarine Systems. , 2021, , .		0