

# Masatoshi Suzuki

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,021  
citations

430874

18  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1044  
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-Nyquist-WDM transmission over 7,326-km seven-core fiber with capacity-distance product of 103 Exabit/sÅ.km. Optics Express, 2014, 22, 1220.	3.4	197
2	257-Tbit/s Weakly Coupled 10-Mode C + L-Band WDM Transmission. Journal of Lightwave Technology, 2018, 36, 1375-1381.	4.6	102
3	10.16-Peta-bit/s Dense SDM/WDM Transmission over 6-Mode 19-Core Fiber across the C+L Band. Journal of Lightwave Technology, 2018, , 1-1.	4.6	77
4	Phosphorylated Histone H2AX Foci Persist on Rejoined Mitotic Chromosomes in Normal Human Diploid Cells Exposed to Ionizing Radiation. Radiation Research, 2006, 165, 269-276.	1.5	69
5	Ultra-dense spatial-division-multiplexed optical fiber transmission over 6-mode 19-core fibers. Optics Express, 2016, 24, 10213.	3.4	69
6	Effects of radioactive caesium on bull testes after the Fukushima nuclear plant accident. Scientific Reports, 2013, 3, 2850.	3.3	65
7	MiR-7-5p is a key factor that controls radioresistance via intracellular Fe <sup>2+</sup> content in clinically relevant radioresistant cells. Biochemical and Biophysical Research Communications, 2019, 518, 712-718.	2.1	57
8	1109-Tbit/s SDM transmission over 6,370 km using a full C-band seven-core EDFA. Optics Express, 2013, 21, 18053.	3.4	50
9	402.7-Tb/s MDM-WDM Transmission Over Weakly Coupled 10-Mode Fiber Using Rate-Adaptive PS-16QAM Signals. Journal of Lightwave Technology, 2020, 38, 2835-2841.	4.6	37
10	Haematological analysis of Japanese macaques ( <i>Macaca fuscata</i> ) in the area affected by the Fukushima Daiichi Nuclear Power Plant accident. Scientific Reports, 2018, 8, 16748.	3.3	34
11	Guanine nucleotide-binding protein 1 is one of the key molecules contributing to cancer cell radioresistance. Cancer Science, 2014, 105, 1351-1359.	3.9	33
12	Ultra-Long-Haul High-Capacity Super-Nyquist-WDM Transmission Experiment Using Multi-Core Fibers. Journal of Lightwave Technology, 2015, 33, 1027-1036.	4.6	28
13	The Involvement of Mitochondrial Membrane Potential in Cross-Resistance Between Radiation and Docetaxel. International Journal of Radiation Oncology Biology Physics, 2016, 96, 556-565.	0.8	28
14	51.1-Tbit/s MCF Transmission Over 2520 km Using Cladding-Pumped Seven-Core EDFAs. Journal of Lightwave Technology, 2016, 34, 761-767.	4.6	28
15	The Causal Relationship between DNA Damage Induction in Bovine Lymphocytes and the Fukushima Nuclear Power Plant Accident. Radiation Research, 2017, 187, 630-636.	1.5	28
16	Analysis of Plasma Protein Concentrations and Enzyme Activities in Cattle within the Ex-Evacuation Zone of the Fukushima Daiichi Nuclear Plant Accident. PLoS ONE, 2016, 11, e0155069.	2.5	27
17	Weakly coupled 10-mode-division multiplexed transmission over 48-km few-mode fibers with real-time coherent MIMO receivers. Optics Express, 2020, 28, 19655.	3.4	26
18	A comprehensive dose evaluation project concerning animals affected by the Fukushima Daiichi Nuclear Power Plant accident: its set-up and progress. Journal of Radiation Research, 2015, 56, i36-i41.	1.6	23

#	ARTICLE	IF	CITATIONS
19	Regulation of pairing between broken DNA-containing chromatin regions by Ku80, DNA-PKcs, ATM, and 53BP1. <i>Scientific Reports</i> , 2017, 7, 41812.	3.3	15
20	Trans-oceanic class ultra-long-haul transmission using multi-core fiber. <i>Optics Express</i> , 2014, 22, 31761.	3.4	10
21	Morphological reproductive characteristics of testes and fertilization capacity of cryopreserved sperm after the Fukushima accident in raccoon ( <i>Procyon lotor</i> ). <i>Reproduction in Domestic Animals</i> , 2021, 56, 484-497.	1.4	7
22	ddY Mice Fed 10% Fat Diet Exhibit High p27KIP Expression and Delayed Hepatocyte DNA Synthesis During Liver Regeneration. <i>Metabolic Syndrome and Related Disorders</i> , 2018, 16, 305-313.	1.3	6
23	Internal exposure rate conversion coefficients and absorbed fractions of mouse for <sup>137</sup> Cs, <sup>134</sup> Cs and <sup>90</sup> Sr contamination in body. <i>Journal of Radiation Research</i> , 2020, 61, 535-545.	1.6	3
24	Transgenerational Effects on Calf Spermatogenesis and Metabolome Associated with Paternal Exposure to the Fukushima Nuclear Power Plant Accident. , 2020, , 125-138.		1
25	Analysis of Radioactive Elements in Testes of Large Japanese Field Mice Using an Electron Probe Micro-Analyser after the Fukushima Accident. , 2020, , .		0