

# Kazuyuki Sakaue

## List of Publications by Year in descending order

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32  
papers

258  
citations

933447

10  
h-index

996975

15  
g-index

32  
all docs

32  
docs citations

32  
times ranked

173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of pulsed x-ray trains produced by laser-electron Compton scatterings. Review of Scientific Instruments, 2009, 80, 123304.	1.3	36
2	Determination of the polarization states of an arbitrary polarized terahertz beam: Vectorial vortex analysis. Scientific Reports, 2015, 5, 9416.	3.3	26
3	Controlled strong excitation of silicon as a step towards processing materials at sub-nanometer precision. Communications Physics, 2019, 2, .	5.3	23
4	Deep-hole drilling of amorphous silica glass by extreme ultraviolet femtosecond pulses. Applied Physics Letters, 2018, 113, 171902.	3.3	19
5	Design of a mode separated RF photo cathode gun. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 361-366.	1.6	14
6	Demonstration of a terahertz pure vector beam by tailoring geometric phase. Scientific Reports, 2018, 8, 8690.	3.3	14
7	Efficient near-infrared supercontinuum beam generation in ytterbium-doped double-clad passive fiber. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 48.	2.1	13
8	Design of a two-cell rf-deflector cavity for ultra-short electron bunch measurement. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 291-298.	1.6	12
9	Surface processing of PMMA and metal nano-particle resist by sub-micrometer focusing of coherent extreme ultraviolet high-order harmonics pulses. Optics Letters, 2020, 45, 2926.	3.3	11
10	Photon Generation by Laser-Compton Scattering Using an Optical Resonant Cavity at the KEK-ATF Electron Ring. Journal of the Physical Society of Japan, 2009, 78, 074501.	1.6	10
11	Ultrashort electron bunch generation by an energy chirping cell attached rf gun. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	10
12	Supercontinuum vector beam generation by independent manipulations of angular polarization and geometric phase. Applied Physics Letters, 2019, 114, .	3.3	10
13	Pulse duration dependence of ablation threshold for fused silica in the visible femtosecond regime. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	8
14	Cs <sup>+</sup> Te photocathode RF electron gun for applied research at the Waseda University. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2928-2931.	1.4	7
15	Generation of radially polarized high energy mid-infrared optical vortex by use of a passive axially symmetric ZnSe waveplate. Applied Physics Letters, 2015, 107, 081112.	3.3	7
16	Construction of nanosecond and picosecond pulse radiolysis system with supercontinuum probe. Radiation Physics and Chemistry, 2013, 84, 10-13.	2.8	6
17	Temporal profile measurement of an electron bunch with the two-cell rf deflecting cavity at Waseda University. Japanese Journal of Applied Physics, 2015, 54, 026301.	1.5	5
18	Demonstration of the stabilization technique for nonplanar optical resonant cavities utilizing polarization. Review of Scientific Instruments, 2015, 86, 043303.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Feedback-free optical cavity with self-resonating mechanism. APL Photonics, 2016, 1, .	5.7	4
20	Single-shot multispectral birefringence mapping by supercontinuum vector beams. Applied Optics, 2020, 59, 7131.	1.8	4
21	Characterization of THz radiation generated by ultra-short bunch from energy chirping cell attached RF electron gun. Vibrational Spectroscopy, 2014, 75, 184-189.	2.2	3
22	Improvement of panorama-based annotation overlay using omnidirectional vision and inertial sensors. , 0, , .		2
23	Development of a Compact X-ray Source and Super-sensitization of Photo Resists for Soft X-ray Imaging. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 273-278.	0.3	2
24	Durability improvement of Cesium Telluride photocathode for an rf-gun. Journal of Instrumentation, 2020, 15, C05006-C05006.	1.2	2
25	Soft x-ray laser beamline for surface processing and damage studies. Applied Optics, 2020, 59, 3692.	1.8	2
26	Quasi-monochromatic THz pulse generation using Cherenkov radiation from a spatially modulated electron beam. Journal of Instrumentation, 2020, 15, C04016-C04016.	1.2	1
27	High-charge ultrashort electron bunch generation by an energy chirping cell-attached rf electron gun and its measurement using a transverse deflecting cavity. Physical Review Accelerators and Beams, 2021, 24, .	1.6	1
28	Detection of birefringence singularity by supercontinuum vector beam. Applied Optics, 2020, 59, 10846.	1.8	1
29	Ablation threshold and crater morphology of amorphous and crystalline SiO <sub>2</sub> glass for extreme ultraviolet femtosecond pulses. Japanese Journal of Applied Physics, 2020, 59, 122004.	1.5	1
30	Development of a Compact X-ray Source and Super-sensitization of Photo Resists for Soft X-ray Imaging. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 691-696.	0.3	0
31	Study on X-ray enhancement in Laser-Compton scattering for auger therapy. International Journal of Radiation Biology, 2020, , 1-5.	1.8	0
32	Independent contribution of optical attenuation length in ultrafast laser-induced structural change. Optics Express, 2021, 29, 33121.	3.4	0