

Ryota Kinjo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

176
citations

8
h-index

12
g-index

36
ext. papers

215
ext. citations

2.2
avg, IF

2.59
L-index

#	Paper	IF	Citations
30	Lasing at 12 μm Mid-Infrared Free-Electron Laser in Kyoto University. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 8091-8094	1.4	21
29	Pulse-by-pulse multi-beam-line operation for x-ray free-electron lasers. <i>Physical Review Accelerators and Beams</i> , 2016 , 19,	1.8	19
28	Synthesizing high-order harmonics to generate a sub-cycle pulse in free-electron lasers. <i>Applied Physics Letters</i> , 2016 , 109, 151107	3.4	18
27	Radiation-induced magnetization reversal causing a large flux loss in undulator permanent magnets. <i>Scientific Reports</i> , 2016 , 6, 37937	4.9	14
26	Attosecond single-cycle undulator light: a review. <i>Reports on Progress in Physics</i> , 2019 , 82, 025901	14.4	14
25	Using irregularly spaced current peaks to generate an isolated attosecond X-ray pulse in free-electron lasers. <i>Journal of Synchrotron Radiation</i> , 2016 , 23, 1273-1281	2.4	10
24	Lightweight-compact variable-gap undulator with force cancellation system based on multipole monolithic magnets. <i>Review of Scientific Instruments</i> , 2017 , 88, 073302	1.7	8
23	Magnetic property of a staggered-array undulator using a bulk high-temperature superconductor. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014 , 17,		8
22	Analysis of ECRH Pre-Ionization for Plasma Start-Up in JT-60SA. <i>Plasma and Fusion Research</i> , 2012 , 7, 2403104-2403104	0.5	8
21	Demonstration of a High-Field Short-Period Undulator Using Bulk High-Temperature Superconductor. <i>Applied Physics Express</i> , 2013 , 6, 042701	2.4	7
20	Undulator Development for SPring-8-II. <i>Synchrotron Radiation News</i> , 2015 , 28, 45-49	0.6	6
19	Phase combination for self-cancellation of magnetic force in undulators. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014 , 17,		6
18	Application of Bulk High-temperature Superconductor to Insertion Device for Synchrotron Radiation. <i>TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan)</i> , 2011 , 46, 118-124	0.1	6
17	Beam Energy Compensation in a Thermionic RF Gun by Cavity Detuning. <i>IEEE Transactions on Nuclear Science</i> , 2009 , 56, 1487-1491	1.7	5
16	Fast and efficient critical state modelling of field-cooled bulk high-temperature superconductors using a backward computation method. <i>Superconductor Science and Technology</i> , 2020 , 33, 114007	3.1	5
15	Enhancing the Radiation Resistance of Undulator Permanent Magnets by Tilting the Easy Axis of Magnetization. <i>Physical Review Letters</i> , 2018 , 121, 124801	7.4	5
14	Analysis of SNIP Algorithm for Background Estimation in Spectra Measured with LaBr ₃ : Ce Detectors. <i>Green Energy and Technology</i> , 2013 , 245-252	0.6	4

13	Proposal of a Bulk HTSC Staggered Array Undulator 2010 ,		3
12	Spectrum splitting for fast polarization switching of undulator radiation. <i>Journal of Synchrotron Radiation</i> , 2016 , 23, 751-7	2.4	3
11	Improvement of trapped field in DyBaCuO bulk by proton irradiation. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 484, 117-119	1.3	1
10	Short bunch effect on tabletop THz FEL amplification. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 637, S83-S86 ^{1,2}	1.2	1
9	Comparison Between the Hexaboride Materials as Thermionic Cathode in the RF Guns for a Compact MIR-FEL Driver. <i>Green Energy and Technology</i> , 2010 , 202-210	0.6	1
8	Optimization of the New Designed FEL Beam Transport Line. <i>Green Energy and Technology</i> , 2013 , 205-216	0.6	1
7	Development of an undulator with a variable magnetic field profile. <i>Journal of Synchrotron Radiation</i> , 2021 , 28, 404-409	2.4	1
6	Fully-staggered-array bulk Re-Ba-Cu-O short-period undulator: large-scale 3D electromagnetic modelling and design optimization using A-V and H-formulation methods. <i>Superconductor Science and Technology</i> , 2021 , 34, 094002	3.1	0
5	Investigation of Electron Beam Parameter in Seeded THz-FEL Amplifier using Photocathode RF Gun. <i>Energy Procedia</i> , 2013 , 34, 863-870	2.3	
4	Analysis of Transient Response of RF Gun Cavity Due to Back-Bombardment Effect in KU-FEL. <i>Green Energy and Technology</i> , 2011 , 193-200	0.6	
3	Beam Stabilization by Using BPM in KU-FEL. <i>Green Energy and Technology</i> , 2011 , 187-192	0.6	
2	Simulation of Electron Trajectory in Bulk HTSC Staggered Array Undulator. <i>Green Energy and Technology</i> , 2012 , 193-198	0.6	
1	Monte Carlo Calculations of eRays Angular Distribution Scattering from 11B in (e,e') Interaction. <i>Green Energy and Technology</i> , 2013 , 197-203	0.6	