

# Ryota Kinjo

## List of Publications by Year in descending order

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36  
papers

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citations

1051969

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1113639

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36  
docs citations

36  
times ranked

248  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse analysis of critical current density in a bulk high-temperature superconducting undulator. <i>Physical Review Accelerators and Beams</i> , 2022, 25, .	0.6	2
2	Development of an undulator with a variable magnetic field profile. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 404-409.	1.0	3
3	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.	1.8	5
4	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.	1.8	12
5	Undulator configuration for helicity switching in in-vacuum undulators. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	0.6	1
6	Attosecond single-cycle undulator light: a review. <i>Reports on Progress in Physics</i> , 2019, 82, 025901.	8.1	21
7	Enhancing the Radiation Resistance of Undulator Permanent Magnets by Tilting the Easy Axis of Magnetization. <i>Physical Review Letters</i> , 2018, 121, 124801.	2.9	8
8	Lightweight-compact variable-gap undulator with force cancellation system based on multipole monolithic magnets. <i>Review of Scientific Instruments</i> , 2017, 88, 073302.	0.6	12
9	High gain harmonic generation free electron lasers enhanced by pseudoenergy bands. <i>Physical Review Accelerators and Beams</i> , 2017, 20, .	0.6	0
10	Synthesizing high-order harmonics to generate a sub-cycle pulse in free-electron lasers. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	22
11	Radiation-induced magnetization reversal causing a large flux loss in undulator permanent magnets. <i>Scientific Reports</i> , 2016, 6, 37937.	1.6	19
12	Pulse-by-pulse multi-beam-line operation for x-ray free-electron lasers. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .	0.6	24
13	Spectrum splitting for fast polarization switching of undulator radiation. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 751-757.	1.0	5
14	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.	1.0	14
15	Undulator Development for SPring-8-II. <i>Synchrotron Radiation News</i> , 2015, 28, 45-49.	0.2	6
16	Phase combination for self-cancellation of magnetic force in undulators. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014, 17, .	1.8	6
17	Magnetic property of a staggered-array undulator using a bulk high-temperature superconductor. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014, 17, .	1.8	14
18	Investigation of Electron Beam Parameter in Seeded THz-FEL Amplifier using Photocathode RF Gun. <i>Energy Procedia</i> , 2013, 34, 863-870.	1.8	0

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19	Improvement of trapped field in DyBaCuO bulk by proton irradiation. Physica C: Superconductivity and Its Applications, 2013, 484, 117-119.	0.6	1
20	Demonstration of a High-Field Short-Period Undulator Using Bulk High-Temperature Superconductor. Applied Physics Express, 2013, 6, 042701.	1.1	13
21	Analysis of SNIP Algorithm for Background Estimation in Spectra Measured with LaBr <sub>3</sub> : Ce Detectors. Green Energy and Technology, 2013, , 245-252.	0.4	4
22	Monte Carlo Calculations of $\hat{I}^3$ -Rays Angular Distribution Scattering from 11B in ( $\hat{I}^3$ , $\hat{I}^3$ ) Interaction. Green Energy and Technology, 2013, , 197-203.	0.4	0
23	Optimization of the New Designed FEL Beam Transport Line. Green Energy and Technology, 2013, , 205-216.	0.4	1
24	Analysis of ECRH Pre-ionization for Plasma Start-Up in JT-60SA. Plasma and Fusion Research, 2012, 7, 2403104-2403104.	0.3	10
25	Simulation of Electron Trajectory in Bulk HTSC Staggered Array Undulator. Green Energy and Technology, 2012, , 193-198.	0.4	0
26	Short bunch effect on tabletop THz FEL amplification. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, S83-S86.	0.7	1
27	Assessment of LaBr <sub>3</sub> (Ce) scintillators system for measuring nuclear resonance fluorescence excitations near 2 MeV. , 2011, , .		1
28	Application of Bulk High-temperature Superconductor to Insertion Device for Synchrotron Radiation. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2011, 46, 118-124.	0.1	6
29	Analysis of Transient Response of RF Gun Cavity Due to Back-Bombardment Effect in KU-FEL. Green Energy and Technology, 2011, , 193-200.	0.4	0
30	Beam Stabilization by Using BPM in KU-FEL. Green Energy and Technology, 2011, , 187-192.	0.4	0
31	Proposal of a Bulk HTSC Staggered Array Undulator. AIP Conference Proceedings, 2010, , .	0.3	4
32	Comparison Between the Hexaboride Materials as Thermionic Cathode in the RF Guns for a Compact MIR-FEL Driver. Green Energy and Technology, 2010, , 202-210.	0.4	1
33	Dependable embedded processor core for higher reliability. , 2009, , .		4
34	Probability of calculation failures by soft errors in an embedded processor core. , 2009, , .		1
35	Beam Energy Compensation in a Thermionic RF Gun by Cavity Detuning. IEEE Transactions on Nuclear Science, 2009, 56, 1487-1491.	1.2	6
36	Lasing at 12 $\hat{\mu}$ m Mid-Infrared Free-Electron Laser in Kyoto University. Japanese Journal of Applied Physics, 2008, 47, 8091.	0.8	25