Yongjun Li

List of Publications by Year
in descending order

21	163	1478505 6	1125743 13
papers	citations	h-index	g-index

21	21	21	293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Data-driven chaos indicator for nonlinear dynamics and applications on storage ring lattice design. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1024, 166060.	1.6	2
2	Designing linear lattices for round beam in electron storage rings using the solution by linear matrices analysis. Physical Review Accelerators and Beams, 2022, 25, .	1.6	2
3	Fast dynamic aperture optimization with forward-reversal integration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164936.	1.6	4
4	Simultaneous correction of high order geometrical driving terms with octupoles in synchrotron light sources. Physical Review Accelerators and Beams, 2021, 24, .	1.6	0
5	Design of double-bend and multibend achromat lattices with large dynamic aperture and approximate invariants. Physical Review Accelerators and Beams, 2021, 24, .	1.6	4
6	Measurement and analysis of fast transient instabilities. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 944, 162566.	1.6	0
7	Improvement of machine learning enhanced genetic algorithm for nonlinear beam dynamics optimization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 946, 162683.	1.6	24
8	A Cross-Cell Interleaved Nonlinear Lattice for Potential NSLS-II Upgrade. Journal of Physics: Conference Series, 2019, 1350, 012119.	0.4	1
9	Bayesian approach for linear optics correction. Physical Review Accelerators and Beams, 2019, 22, .	1.6	9
10	Effect of undulators on magnet lattice and emittance. Physical Review Accelerators and Beams, 2019, 22, .	1.6	5
11	Fast glitch detection of coupled bunch instabilities and orbit motions. Journal of Physics: Conference Series, 2018, 1067, 072004.	0.4	0
12	Beam position monitor gate functionality implementation and applications. MethodsX, 2018, 5, 626-634.	1.6	1
13	Genetic algorithm enhanced by machine learning in dynamic aperture optimization. Physical Review Accelerators and Beams, 2018, 21, .	1.6	43
14	Experimental evidence of ion-induced instabilities in the NSLS-II storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 861, 38-45.	1.6	7
15	Lossless crossing of a resonance stopband during tune modulation by synchrotron oscillations. New Journal of Physics, 2017, 19, 093010.	2.9	2
16	Techniques for transparent lattice measurement and correction. Journal of Physics: Conference Series, 2017, 874, 012082.	0.4	3
17	Transparent lattice characterization with gated turn-by-turn data of diagnostic bunch train. Physical Review Accelerators and Beams, 2017, 20, .	1.6	3
18	Multi-objective Dynamic Aperture Optimization for Storage Rings. , 2017, , 219-226.		0

#	Article	IF	Citations
19	Multi-objective dynamic aperture optimization for storage rings. International Journal of Modern Physics A, 2016, 31, 1644019.	1.5	10
20	Efficient cascaded parameter scan approach for studying top-off safety in storage rings. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	0
21	Multiobjective optimization of dynamic aperture. Physical Review Special Topics: Accelerators and Beams, 2011, 14, .	1.8	43