

Yongjun Li

List of Publications by Year in descending order

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21
papers

163
citations

1478505

6
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1125743

13
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21
all docs

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docs citations

21
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiobjective optimization of dynamic aperture. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2011, 14, .	1.8	43
2	Genetic algorithm enhanced by machine learning in dynamic aperture optimization. <i>Physical Review Accelerators and Beams</i> , 2018, 21, .	1.6	43
3	Improvement of machine learning enhanced genetic algorithm for nonlinear beam dynamics optimization. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 946, 162683.	1.6	24
4	Multi-objective dynamic aperture optimization for storage rings. <i>International Journal of Modern Physics A</i> , 2016, 31, 1644019.	1.5	10
5	Bayesian approach for linear optics correction. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	9
6	Experimental evidence of ion-induced instabilities in the NSLS-II storage ring. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 861, 38-45.	1.6	7
7	Effect of undulators on magnet lattice and emittance. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	5
8	Fast dynamic aperture optimization with forward-reversal integration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 988, 164936.	1.6	4
9	Design of double-bend and multibend achromat lattices with large dynamic aperture and approximate invariants. <i>Physical Review Accelerators and Beams</i> , 2021, 24, .	1.6	4
10	Techniques for transparent lattice measurement and correction. <i>Journal of Physics: Conference Series</i> , 2017, 874, 012082.	0.4	3
11	Transparent lattice characterization with gated turn-by-turn data of diagnostic bunch train. <i>Physical Review Accelerators and Beams</i> , 2017, 20, .	1.6	3
12	Lossless crossing of a resonance stopband during tune modulation by synchrotron oscillations. <i>New Journal of Physics</i> , 2017, 19, 093010.	2.9	2
13	Data-driven chaos indicator for nonlinear dynamics and applications on storage ring lattice design. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1024, 166060.	1.6	2
14	Designing linear lattices for round beam in electron storage rings using the solution by linear matrices analysis. <i>Physical Review Accelerators and Beams</i> , 2022, 25, .	1.6	2
15	Beam position monitor gate functionality implementation and applications. <i>MethodsX</i> , 2018, 5, 626-634.	1.6	1
16	A Cross-Cell Interleaved Nonlinear Lattice for Potential NSLS-II Upgrade. <i>Journal of Physics: Conference Series</i> , 2019, 1350, 012119.	0.4	1
17	Efficient cascaded parameter scan approach for studying top-off safety in storage rings. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2011, 14, .	1.8	0
18	Fast glitch detection of coupled bunch instabilities and orbit motions. <i>Journal of Physics: Conference Series</i> , 2018, 1067, 072004.	0.4	0

#	ARTICLE	IF	CITATIONS
19	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
20	Multi-objective Dynamic Aperture Optimization for Storage Rings. , 2017, , 219-226.		0
21	Simultaneous correction of high order geometrical driving terms with octupoles in synchrotron light sources. Physical Review Accelerators and Beams, 2021, 24, .	1.6	0