

# Rogelio Tomas Garcia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7112524/publications.pdf>

Version: 2024-02-01

22  
papers

88  
citations

1937685  
4  
h-index

1474206  
9  
g-index

22  
all docs

22  
docs citations

22  
times ranked

38  
citing authors

#	ARTICLE	IF	CITATIONS
1	LHC optics commissioning: A journey towards 1% optics control. Physical Review Accelerators and Beams, 2017, 20, .	1.6	26
2	Improved control of the betatron coupling in the Large Hadron Collider. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	23
3	Accuracy and feasibility of the $\hat{I}^2$ modulation for LHC and High Luminosity LHC using $k$ modulation. Physical Review Accelerators and Beams, 2020, 23, .	1.6	10
4	Measuring $\hat{I}^2$ in SuperKEKB with $K$ modulation. Physical Review Accelerators and Beams, 2020, 23, .	1.6	5
5	Final-focus systems for multi-TeV linear colliders. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	4
6	Small angle crab compensation for LHC IR upgrade. , 2007, , .		3
7	Luminosity studies in a traveling waist regime in the Compact Linear Collider. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	3
8	Multivariate Polynomial Multiplication on GPU. Procedia Computer Science, 2016, 80, 154-165.	2.0	3
9	Optics-measurement-based beam position monitor calibrations in the LHC insertion regions. Physical Review Accelerators and Beams, 2020, 23, .	1.6	3
10	Effect of local linear coupling on linear and nonlinear observables in circular accelerators. Physical Review Accelerators and Beams, 2020, 23, .	1.6	3
11	The magnetic behaviour of the LHC at 6.5 TeV. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	2
12	Measurement of Transverse Echoes in RHIC. , 0, , .		1
13	Beam-beam effect with an external noise in LHC. , 2007, , .		1
14	Local correction of quadrupole errors at LHC interaction regions using action and phase jump analysis on turn-by-turn beam position data. Physical Review Accelerators and Beams, 2017, 20, .	1.6	1
15	Measurement of driving terms [Super Proton Synchrotron]. , 0, , .		0
16	Measurement and Optimization of Local Coupling from RHIC BPM Data. , 0, , .		0
17	Optimization of the Phase Advance Between RHIC Interaction Points. , 0, , .		0
18	2003&#8211;2004 Nonlinear Optics Measurements and Modeling for the CERN SPS. , 0, , .		0

#	ARTICLE	IF	CITATIONS
19	BPM calibration independent LHC optics correction. , 2007, , .		0
20	Feedback studies. , 2007, , .		0
21	Improved algorithms to determine the non-linear optics model of the SPS from non-linear chromaticity. , 2007, , .		0
22	Phase advance constraint in $K$ modulation for precise $\hat{\Gamma}^2$ -function determination. Physical Review Accelerators and Beams, 2022, 25, .	1.6	0