

# Marcos Rodrigues-Sampaio

## List of Publications by Year in descending order

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59  
papers

929  
citations

516215  
16  
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500791  
28  
g-index

59  
all docs

59  
docs citations

59  
times ranked

266  
citing authors



#	ARTICLE	IF	CITATIONS
19	Conductivity of Coulomb interacting massless Dirac particles in graphene: Regularization-dependent parameters and symmetry constraints. <i>Europhysics Letters</i> , 2013, 104, 27002.	0.7	16
20	Arbitrariness in the gravitational Chern-Simons-like term induced radiatively. <i>Physical Review D</i> , 2014, 89, .	1.6	16
21	SYMMETRIES AND AMBIGUITIES IN THE LINEAR SIGMA MODEL WITH LIGHT QUARKS. <i>Modern Physics Letters A</i> , 2006, 21, 339-347.	0.5	14
22	ambiguities in Feynman amplitudes: Momentum routing invariance and anomalies in algebra $\int^3 \frac{d^4k}{(2\pi)^4} \frac{1}{k^2} \frac{1}{(k-p)^2} \frac{1}{(k-p-q)^2}$ and $\int^3 \frac{d^4k}{(2\pi)^4} \frac{1}{k^2} \frac{1}{(k-p)^2} \frac{1}{(k-p-q)^2}$	1.6	13
23	Implicit regularization beyond one-loop order: scalar field theories. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 2215-2234.	1.4	12
24	Guises and disguises of quadratic divergences. <i>Annals of Physics</i> , 2014, 351, 751-772.	1.0	12
25	IMPLICIT REGULARISATION TECHNIQUE: CALCULATION OF THE TWO-LOOP $\varphi^4$ -THEORY $\hat{\Gamma}^2$ -FUNCTION. <i>Modern Physics Letters A</i> , 1999, 14, 1509-1517.	0.5	11
26	Momentum routing invariance in extended QED: Assuring gauge invariance beyond tree level. <i>Physical Review D</i> , 2016, 93, .	1.6	11
27	Implications of a new effective chiral meson Lagrangian. <i>Nuclear Physics A</i> , 2002, 703, 378-392.	0.6	10
28	AMBIGUITIES IN THE GRAVITATIONAL CORRECTION OF QUANTUM ELECTRODYNAMICS. <i>Modern Physics Letters A</i> , 2013, 28, 1350078.	0.5	10
29	On the Bose symmetry and the left- and right-chiral anomalies. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	10
30	Dispersion and uncertainty in multislit matter wave diffraction. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1485-1490.	1.2	9
31	ULTRAVIOLET AND INFRARED DIVERGENCES IN IMPLICIT REGULARIZATION: A CONSISTENT APPROACH. <i>Modern Physics Letters A</i> , 2011, 26, 289-302.	0.5	9
32	One-loop conformal anomaly in an implicit momentum space regularization framework. <i>European Physical Journal C</i> , 2015, 75, 1.	1.4	9
33	Entanglement of self-interacting scalar fields in an expanding spacetime. <i>Europhysics Letters</i> , 2016, 115, 10006.	0.7	9
34	Subtleties in the beta-function calculation of $N=1$ supersymmetric gauge theories. <i>European Physical Journal C</i> , 2016, 76, 1.	1.4	9
35	Yang-Mills beta-function from a large-distance expansion of the Schrödinger functional. <i>Nuclear Physics B</i> , 1999, 545, 623-655.	0.9	8
36	Naturalness and Theoretical Constraints on the Higgs Boson Mass. <i>International Journal of Theoretical Physics</i> , 2013, 52, 3494-3503.	0.5	8

#	ARTICLE	IF	CITATIONS
37	Measuring QED cross sections via entanglement. <i>Physical Review D</i> , 2019, 100, .	1.6	7
38	Two-loop renormalisation of gauge theories in 4D implicit regularisation and connections to dimensional methods. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	7
39	Dual embedding of extended models with a Lorentz-breaking mass term. <i>Physical Review D</i> , 2014, 90, .	1.6	6
40	Squeezing and slowed quantum decoherence in the double-slit experiment. <i>Physical Review A</i> , 2020, 101, .	1.0	6
41	Interacting fermions in an expanding spacetime. <i>Physical Review D</i> , 2018, 98, .	1.6	5
42	Supercurrent anomaly and gauge invariance in the N=1 supersymmetric Yang-Mills theory. <i>Physical Review D</i> , 2018, 98, .	1.6	5
43	Constraining dimension-six nonminimal Lorentz-violating electron-nucleon interactions with EDM physics. <i>Physical Review D</i> , 2019, 100, .	1.6	5
44	Alice and Bob in an expanding spacetime. <i>Europhysics Letters</i> , 2015, 111, 60001.	0.7	4
45	Poisson's spot and Gouy phase. <i>Physical Review A</i> , 2016, 94, .	1.0	4
46	Continuous-variable Bell nonlocality with biphotons produced by spontaneous parametric down-conversion. <i>Physical Review A</i> , 2020, 101, .	1.0	4
47	Relation between Lyapunov exponents and decoherence for real scalar fields in de Sitter spacetime. <i>Physical Review D</i> , 2014, 90, .	1.6	3
48	Exotic looped trajectories via quantum marking. <i>Annals of Physics</i> , 2017, 387, 222-238.	1.0	3
49	Fringe visibility of exotic trajectories for matter waves in a double-slit experiment. <i>Modern Physics Letters A</i> , 2019, 34, 1950233.	0.5	3
50	Shannon entropy and interference in the double-slit experiment with matter waves. <i>Modern Physics Letters A</i> , 2019, 34, 1950017.	0.5	3
51	Gouy phase of type-I SPDC-generated biphotons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 386, 126989.	0.9	3
52	Ramsey interferometry as a witness of acceleration radiation. <i>Annals of Physics</i> , 2020, 416, 168158.	1.0	2
53	Top condensation model: a step towards the correct prediction of the Higgs mass. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	2
54	Title is missing!. <i>International Journal of Theoretical Physics</i> , 2002, 41, 1689-1711.	0.5	1

#	ARTICLE	IF	CITATIONS
55	Quantum conductance and electrical resistivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 358, 358-362.	0.9	1
56	Entanglement between two scalar fields in an expanding spacetime. Modern Physics Letters A, 2017, 32, 1750104.	0.5	1
57	Quantum-to-classical transition measure of large molecule diffraction. Europhysics Letters, 2018, 122, 50007.	0.7	1
58	Sorkin parameter for type-I spontaneous parametric down-conversion biphotons and matter waves. Physical Review A, 2021, 103, .	1.0	1
59	Biphoton phase-space correlations from Gouy-phase measurements using double slits. Physical Review A, 2021, 104, .	1.0	0