

Oleksandr Tomalak

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

356
citations

687363
13
h-index

794594
19
g-index

24
all docs

24
docs citations

24
times ranked

263
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-photon exchange correction to muonâ€“proton elastic scattering at low momentum transfer. European Physical Journal C, 2016, 76, 1.	3.9	34
2	Flavor-dependent radiative corrections in coherent elastic neutrino-nucleus scattering. Journal of High Energy Physics, 2021, 2021, 1.	4.7	34
3	Theory of elastic neutrino-electron scattering. Physical Review D, 2020, 101, .	4.7	27
4	Parametrization and applications of the low- Q^2 nucleon vector form factors. Physical Review D, 2020, 102, .	4.7	27
5	Two-photon exchange correction to the Lamb shift and hyperfine splitting of S levels. European Physical Journal A, 2019, 55, 1.	4.7	26
6	Two-photon exchange correction to the hyperfine splitting in muonic hydrogen. European Physical Journal C, 2017, 77, 1.	2.5	23
7	Two-photon exchange corrections to elastic $e\mu$ -proton scattering: Full dispersive treatment of μ -proton scattering: Full dispersive treatment of μ -proton scattering. Physical Review D, 2020, 102, .	3.9	22
8	Forward two-photon exchange in elastic leptonâ€“proton scattering and hyperfine-splitting correction. European Physical Journal C, 2017, 77, 1.	4.7	20
9	Dispersion relation formalism for the two-photon exchange correction to elastic muonâ€“proton scattering: elastic intermediate state. European Physical Journal C, 2018, 78, 1.	3.9	19
10	On the effective theory of neutrino-electron and neutrino-quark interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135466.	3.9	19
11	The proton radius (puzzle?) and its relatives. Progress in Particle and Nuclear Physics, 2021, 121, 103901.	4.1	17
12	Hyperfine splitting in ordinary and muonic hydrogen. European Physical Journal A, 2018, 54, 1.	14.4	15
13	Magnetic fields and chiral asymmetry in the early hot universe. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 018-018.	2.5	13
14	Two-Photon Exchange Correction in Elastic Leptonâ€“Proton Scattering. Few-Body Systems, 2018, 59, 1.	5.4	11
15	Leading order corrections to the Bethe-Heitler process in the $e\mu$ -proton scattering. Physical Review D, 2018, 97, .	1.5	11
16	Two-photon exchange corrections to the Bethe-Heitler process in the $e\mu$ -proton scattering. Physical Review D, 2018, 97, .	4.7	10
17	Axial and pseudoscalar form factors from charged current quasielastic neutrino-nucleon scattering. Physical Review D, 2021, 103, .	4.7	9
18		4.7	7

#	ARTICLE	IF	CITATIONS
19	Two-photon exchange on the neutron and the hyperfine splitting. <i>Physical Review D</i> , 2019, 99, .	4.7	4
20	Electromagnetic proton–neutron mass difference. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	4
21	Radiative (anti)neutrino energy spectra from muon, pion, and kaon decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 829, 137108.	4.1	3
22	How well do we know neutrino-electron scattering? EFT approach. , 2020, , .		1
23	Radiative corrections. , 2021, , .		0
24	Radiative corrections to neutrino-nucleon scattering in effective field theory. , 2020, , .		0