

Leading hadronic contribution to the muon magnetic moment

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | What's next for physics standard model? Muon results throw theories into confusion. Nature, 2021, 593, 18-19. | 13.7 | 0 |
| 2 | Is the standard model broken? Physicists cheer major muon result. Nature, 2021, 592, 333-334. | 13.7 | 0 |
| 3 | Prediction for magnetic moment of the muon informs a test of the standard model of particle physics. Nature, 2021, 593, 44-45. | 13.7 | 0 |
| 4 | A moment for muons. Nature Physics, 2021, 17, 541-541. | 6.5 | 2 |
| 5 | GUT-constrained supersymmetry and dark matter in light of the new $(g \hat{\sim} 2)^{1/4}$ determination. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 40 |
| 7 | Muon spinning its way to new physics. Frontiers of Physics, 2021, 16, 1. | 2.4 | 0 |
| 8 | Bayesian model averaging for analysis of lattice field theory results. Physical Review D, 2021, 103, . | 1.6 | 33 |
| 9 | Flavor changing top decays to charm and a Higgs boson with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \tilde{l}, \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ at the LHC. Physical Review D, 2021, 103, . | 1.6 | 2 |
| 10 | Physics potential of a muon-proton collider. Physical Review D, 2021, 103, . | 1.6 | 12 |
| 11 | Muon measurements embolden the search for new physics. Physics Today, 2021, 74, 14-16. | 0.3 | 1 |
| 12 | Muon $g \hat{\sim} 2$ anomaly in anomaly mediation. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 39 |
| 13 | Interplay of New Physics effects in $(g \hat{\sim} 2)_{\tilde{t}}$, $h \hat{\sim} \tilde{t} \tilde{t}^* \rightarrow \tilde{t} \tilde{t}^* \tilde{t} \tilde{t}^*$ lessons from SMEFT. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 23 |
| 14 | Radiative seesaw mechanism for charged leptons. Physical Review D, 2021, 103, . | 1.6 | 15 |
| 15 | Yukawa coupling unification in an SO(10) model consistent with Fermilab $(g \hat{\sim} 2)^{1/4}$ result. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 17 |
| 16 | Forbidden dark matter annihilations into Standard Model particles. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 14 |
| 17 | Searching for lepton portal dark matter with colliders and gravitational waves. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 10 |
| 18 | Global analysis of leptophilic $Z \hat{\sim} 2$ bosons. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 41 |
| 19 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ in an extended inverse type-III seesaw model. Physical Review D, 2021, 103, . | 1.6 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 20 | Light, long-lived $B \hat{=} L$ gauge and Higgs bosons at the DUNE near detector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 10 |
| 21 | Hadronic light-by-light contribution to $\mathcal{G}(g-2)_\mu$ from lattice QCD: a complete calculation. European Physical Journal C, 2021, 81, 1. | 1.4 | 57 |
| 22 | On the transition form factors of the axial-vector resonance $f_1(1285)$ and its decay into $e+e \hat{=}$. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 33 |
| 23 | Generic one-loop matching conditions for rare meson decays. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 5 |
| 24 | Radiative neutrino masses, lepton flavor mixing and muon $g \hat{=} 2$ in a leptoquark model. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 27 |
| 25 | Consequences of chirally enhanced explanations of $(g \hat{=} 2)_{\hat{=}^2}$ for $h \hat{=}^2$ and $Z \hat{=}^2$. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 61 |
| 26 | Effective field theory interpretation of lepton magnetic and electric dipole moments. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 36 |
| 27 | Explaining $(g \hat{=} 2)_{\hat{=}^2}$ with multi-TeV sleptons. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 21 |
| 28 | Correlating $h \hat{=}^2$ to the Anomalous Magnetic Moment of the Muon via Leptoquarks. Physical Review Letters, 2021, 127, 021801. | | |
| 29 | Supersymmetric interpretation of the muon $g \hat{=} 2$ anomaly. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 52 |
| 30 | Leptonic anomalous magnetic moments in $\hat{=}^2$ SMEFT. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 12 |
| 31 | Anomalous $Z \hat{=}^2$ bosons for anomalous B decays. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 19 |
| 32 | Leptoquarks and matter unification: Flavor anomalies and the muon $g \hat{=} 2$. Physical Review D, 2021, 104, . | 1.6 | 29 |
| 33 | Muon $g \hat{=} 2$ and $B \hat{=}^2$ Anomalies from Dark Matter. Physical Review Letters, 2021, 127, 061802. | 2.9 | 49 |
| 34 | What the Fermilab muon $g \hat{=} 2$ experiment tells us about discovering supersymmetry at high luminosity and high energy upgrades to the LHC. Physical Review D, 2021, 104, . | 1.6 | 32 |
| 35 | Fake doublet solution to the muon anomalous magnetic moment. Physical Review D, 2021, 104, . | 1.6 | 13 |
| 36 | Muon $(g \hat{=} 2)$ in the B-LSSM. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 11 |
| 37 | Radiative lepton mass and muon $g \hat{=} 2$ with suppressed lepton flavor and CP violations. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 38 | Shedding light on dark matter with recent muon ($g - 2$) and Higgs exotic decay measurements. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 4 |
| 39 | Fermi Constant from Muon Decay Versus Electroweak Fits and Cabibbo-Kobayashi-Maskawa Unitarity. Physical Review Letters, 2021, 127, 071801. | 2.9 | 35 |
| 40 | Minimal Explanation of Flavor Anomalies: $B \rightarrow K^* \ell^+ \ell^-$ -Meson Decays, Muon Magnetic Moment, and the Cabibbo Angle. Physical Review Letters, 2021, 127, 061803. | 2.9 | 38 |
| 41 | Non-Abelian gauge lepton symmetry as the gateway to dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136456. | 1.5 | 2 |
| 42 | Enhancement of the double Higgs production via leptoquarks at the LHC. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 2 |
| 43 | Current status and prospects of muonium spectroscopy at PSI. SciPost Physics Proceedings, 2021, , . | 0.2 | 6 |
| 44 | Challenges for an axion explanation of the muon $g - 2$ measurement. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 25 |
| 45 | Probing the dark axion portal with muon anomalous magnetic moment. European Physical Journal C, 2021, 81, 1. | 1.4 | 22 |
| 46 | New physics explanations of $a_{\mu} - 2$ in light of the FNAL muon $g - 2$ measurement. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 140 |
| 47 | New physics searches at the ILC positron and electron beam dumps. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 13 |
| 48 | Charged lepton flavor violation in light of the muon magnetic moment anomaly and colliders. European Physical Journal C, 2021, 81, 1. | 1.4 | 15 |
| 49 | Confronting spin-3/2 and other new fermions with the muon $g - 2$ measurement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136491. | 1.5 | 7 |
| 50 | A dispersive estimate of scalar contributions to hadronic light-by-light scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136502. | 1.5 | 33 |
| 51 | Naturalness and the muon magnetic moment. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 20 |
| 52 | What is the scale of new physics behind the muon $g - 2$? Physical Review D, 2021, 104, . | 1.6 | 15 |
| 53 | Rotated twisted-mass: a convenient regularization scheme for isospin breaking QCD and QED lattice calculations. European Physical Journal A, 2021, 57, 1. | 1.0 | 3 |
| 54 | Top-flavor scheme in the context of $W \rightarrow e \nu$ searches at LHC. Physical Review D, 2021, 104, . | 1.6 | 1 |
| 55 | Semi-secretly interacting Axion-like particle as an explanation of Fermilab muon $g - 2$ measurement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136529. | 1.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 56 | Multi-track displaced vertices at B-factories. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 5 |
| 57 | One colorful resolution to the neutrino mass generation, three lepton flavor universality anomalies, and the Cabibbo angle anomaly. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 10 |
| 58 | Two-loop radiative seesaw, muon $g_{\hat{2}}$, and \tilde{L} -lepton-flavor violation with DM constraints. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 0 |
| 59 | Custodial symmetry for muon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{2} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$. Physical Review D, 2021, 104, . | 1.6 | 11 |
| 60 | Radiative Corrections to Semileptonic Beta Decays: Progress and Challenges. Particles, 2021, 4, 397-468. | 0.5 | 8 |
| 61 | Confirming $U(1)_{L_\mu - L_\tau}$ as a solution for $(g-2)_\mu$ with neutrinos. European Physical Journal C, 2021, 81, 1. | 1.4 | 35 |
| 62 | Supersymmetric alignment models for $(g_{\hat{2}})^{1/4}$. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 16 |
| 63 | Perturbative unitarity constraints on generic Yukawa interactions. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 29 |
| 64 | Determination of perturbative QCD coupling from ALEPH $\tau \rightarrow \mu \nu \nu$ decay data using pinched Borel-Laplace and Finite Energy Sum Rules. European Physical Journal C, 2021, 81, 1. | 1.4 | 13 |
| 65 | Mixed modulus and anomaly mediation in light of the muon $g_{\hat{2}}$ anomaly. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 10 |
| 66 | Self-organised localisation. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 31 |
| 67 | TeV scale resonant leptogenesis with $L^{1/4} \hat{2} \tilde{L}$, gauge symmetry in light of the muon $g_{\hat{2}}$. Physical Review D, 2021, 104, . | 1.6 | 17 |
| 68 | Imprint of SUSY in radiative $B \rightarrow \mu \nu \nu$ -meson decays. Physical Review D, 2021, 104, . | 1.6 | 0 |
| 69 | Electron and muon magnetic moments and implications for dark matter and model characterisation in non-universal $U(1)_{\hat{2}}$ supersymmetric models. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 22 |
| 70 | Dispersion relation analysis of the radiative corrections to g_A in the neutron $\hat{2}$ -decay. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 18 |
| 71 | Probing the muon $g_{\hat{2}}$ with future beam dump experiments. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 8 |
| 72 | Implications of the Muon $g-2$ result on the flavour structure of the lepton mass matrix. European Physical Journal C, 2021, 81, 1. | 1.4 | 17 |
| 73 | Ratio of kaon and pion leptonic decay constants with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle$ Wilson-clover twisted-mass fermions. Physical Review D, 2021, 104, . | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 74 | Probing the muon $g-2$ anomaly with the Higgs boson at a muon collider. Physical Review D, 2021, 104, . | 1.6 | 31 |
| 75 | Muon $g-2$ and coannihilating dark matter in the minimal supersymmetric standard model. Physical Review D, 2021, 104, . | 1.6 | 31 |
| 76 | First-generation new physics in simplified models: from low-energy parity violation to the LHC. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 33 |
| 77 | Probing the explanation of the muon $(g-2)$ anomaly and thermal light dark matter with the semi-visible dark photon channel. European Physical Journal C, 2021, 81, 959. | 1.4 | 12 |
| 78 | Collider prospects for the muon $g-2$ in a general two-Higgs-doublet model. Physical Review D, 2021, 104, . | 1.6 | 12 |
| 79 | Gravity beyond Einstein? Part III: numbers and coupling constants, contradictory experiments, hypercomplex gravity like-fields, propellantless space propulsion. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2022, 77, 13-86. | 0.7 | 1 |
| 80 | Muon $g-2$ from millicharged hidden confining sector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 6 |
| 82 | Seesaw lepton masses and muon $g-2$ from heavy vector-like leptons. Journal of the Korean Physical Society, 2021, 79, 1121-1134. | 0.3 | 12 |
| 83 | Dilepton production in the SMEFT at $\mathcal{O}(g^2)$. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422 Td (stretchy="false") | 1.6 | 24 |
| 84 | Leptonic $g-2$ anomaly in an extended Higgs sector with vector-like leptons. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 15 |
| 85 | The interplay of transverse degrees of freedom and axial-vector mesons with short-distance constraints in $g-2$. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 015002. | 1.4 | 9 |
| 86 | NNLO virtual and real leptonic corrections to muon-electron scattering. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 11 |
| 87 | Probing charged lepton flavor violation with axion-like particles at Belle II. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 8 |
| 88 | Hadronic light-by-light contribution to the muon $g-2$ from holographic QCD with massive pions. Physical Review D, 2021, 104, . | 1.6 | 12 |
| 89 | Holographic QCD and the muon anomalous magnetic moment. European Physical Journal C, 2021, 81, 1008. | 1.4 | 7 |
| 90 | Probing secret interactions of astrophysical neutrinos in the high-statistics era. Physical Review D, 2021, 104, . | 1.6 | 24 |
| 91 | Standard Model in Weyl conformal geometry. European Physical Journal C, 2022, 82, 1. | 1.4 | 31 |
| 92 | Recent progress in hadronic light-by-light scattering. EPJ Web of Conferences, 2022, 258, 06004. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 93 | Chiral extrapolation of hadronic vacuum polarization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 825, 136852. | 1.5 | 10 |
| 94 | Soft gluon fields and anomalous magnetic moment of muon. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 035003. | 1.4 | 1 |
| 95 | Two-Loop Four-Fermion Scattering Amplitude in QED. Physical Review Letters, 2022, 128, 022002. | 2.9 | 11 |
| 96 | No-lose theorem for discovering the new physics of $g_{\mu\mu}^{\gamma}$ and a_{μ}^{γ} . Journal of High Energy Physics, 2022, 2022, 151. | 1.6 | 25 |
| 97 | Lepton anomalous magnetic moment with singlet-doublet fermion dark matter in a scotogenic model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 825, 136852. | 1.6 | 25 |
| 98 | Dark matter and the a_{μ} anomaly. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 825, 136852. | 1.6 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 111 | Measurement of the Cross Section for $e^+e^- \rightarrow \mu^+\mu^-$ at Energies from 2.2324 to 3.6710 ÅGeV. Physical Review Letters, 2022, 128, 062004. | 2.9 | 12 |
| 112 | Cosmological implications of axion-matter couplings. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019. | 1.9 | 13 |
| 113 | Comprehensive symmetric-hybrid ring design for a proton EDM experiment at below 10^{-10} e cm. Physical Review D, 2022, 105, . | 1.6 | 4 |
| 114 | Anomalous magnetic moment and Higgs coupling of the muon in a sequential U(1) gauge model with dark matter. Physical Review D, 2022, 105, . | 1.6 | 4 |
| 115 | The $(g-2)_\mu$ anomaly from lattice QCD and dispersion relations. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 11 |
| 116 | Towards an Independent Determination of Muon $g-2$ from Muonium Spectroscopy. Physical Review Letters, 2021, 127, 251801. | 2.9 | 6 |
| 117 | Improved $(g-2)_\mu$ measurements and wino/higgsino dark matter. European Physical Journal C, 2021, 81, 1. | 1.4 | 24 |
| 118 | The new μ G-2 result and supersymmetry. European Physical Journal C, 2021, 81, 1. | 1.4 | 44 |
| 119 | BHLSS ₂ upgrade: ^{199}Au spectra, muon HVP and the $[\pi^0, \eta, \eta']$ system. European Physical Journal C, 2022, 82, 184. | 1.4 | 5 |
| 120 | Zee model with quasidegenerate neutrino masses and where to find it. European Physical Journal C, 2022, 82, . | 1.4 | 1 |
| 121 | Darwinian standard model of physics obtains general relativity. Quantum Information Processing, 2022, 21, 1. | 1.0 | 1 |
| 122 | Leptonic CP violation from a vector-like lepton. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 4 |
| 123 | Mixed Leptonic and Hadronic Corrections to the Anomalous Magnetic Moment of the Muon. Physical Review Letters, 2022, 128, 112002. | 2.9 | 11 |
| 124 | Flavour alignment of New Physics in light of the $(g-2)_\mu$ anomaly. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 8 |
| 125 | Tests of gluino-driven radiative breaking of the electroweak symmetry at the LHC. Physica Scripta, 2022, 97, 054002. | 1.2 | 3 |
| 126 | Low Energy Supersymmetry Confronted with Current Experiments: An Overview. Universe, 2022, 8, 178. | 0.9 | 14 |
| 127 | Gauging lepton flavor SU(3) for the muon $g-2$. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 4 |
| 128 | The anomalous magnetic moment of the muon: short overview. Suplemento De La Revista Mexicana De Física, 2022, 3, . | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 129 | Leading order mesonic and baryonic SU(3) low energy constants from lattice QCD. Physical Review D, 2022, 105, . | 1.6 | 3 |
| 130 | Scalar resonances in the hadronic light-by-light contribution to the muon (a_μ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 297 Td (stretchy="false") | 1.6 | 6 |
| 131 | ChPT estimate of the strong-isospin-breaking contribution to the anomalous magnetic moment of the muon. Physical Review D, 2022, 105, . | 1.6 | 8 |
| 132 | Simplest and Most Predictive Model of Muon $g-2$ and Thermal Dark Matter. Physical Review Letters, 2022, 128, 141802. | 2.9 | 16 |
| 133 | Status of the MUonE experiment. Physica Scripta, 2022, 97, 054007. | 1.2 | 14 |
| 134 | Dark boson mediation of the $\bar{t} \rightarrow \bar{b} e^+ e^-$ decay. Nuclear Physics B, 2022, 978, 115723. | 0.9 | 1 |
| 135 | Flavor specific $U(1)$ \rightarrow $U(1) \times U(1)$ models for the muon $g-2$ puzzle. Physical Review D, 2022, 105, 095001. | 0.9 | 5 |
| 136 | Decadal Mission for the New Physics Higgs/Flavor Era. Chinese Journal of Physics, 2022, 77, 432-451. | 2.0 | 2 |
| 137 | New physics behind the new muon $g-2$ puzzle?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137037. | 1.5 | 16 |
| 138 | Neutrino mass models by the 1000s!. Journal of Physics: Conference Series, 2021, 2156, 012001. | 0.3 | 0 |
| 139 | Pion form factor and charge radius from lattice QCD at the physical point. Physical Review D, 2021, 104, . | 1.6 | 12 |
| 140 | Sub-GeV $U(1)$ \rightarrow $U(1) \times U(1)$ models for the muon $g-2$ puzzle and the proton radius discrepancy. Physical Review D, 2021, 104, . | 1.6 | 10 |
| 141 | Flipped $\mathbf{g}_\mu - 2$. European Physical Journal C, 2021, 81, 1. | 1.4 | 11 |
| 142 | Study of the pion vector form factor and its contribution to the muon $g-2$. Physical Review D, 2021, 104, . | 1.6 | 3 |
| 143 | Quark and Gluon Momentum Fractions in the Pion from Lattice QCD. Physical Review Letters, 2021, 127, 252001. | 2.9 | 5 |
| 144 | Novel evaluation of the hadronic contribution to the muon a_μ from QCD. Physical Review D, 2021, 104, . | 1.6 | 7 |
| 145 | High-precision lattice QCD calculations of the muon anomalous magnetic moment. Nature Reviews Physics, 2022, 4, 14-15. | 11.9 | 3 |
| 146 | Simulating Nonlinear Dynamics of a 3D Crystal Lattice of Metals. Journal of Physics: Conference Series, 2021, 2131, 032092. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 147 | Light vector dark matter with scalar mediator and muon g_{μ}^{\prime} anomaly. Physical Review D, 2021, 104, . | 1.6 | 6 |
| 148 | Flipped SU(5) GUT phenomenology: proton decay and $\mathbf{g}_{\mu} - 2$. European Physical Journal C, 2021, 81, 1. | 1.4 | 14 |
| 149 | Vacuum correlators at short distances from lattice QCD. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 7 |
| 150 | Studying the $b \rightarrow s \gamma$ anomalies and $\mu \rightarrow e \gamma$ anomalies. Physical Review D, 2022, 105, . | 1.6 | 17 |
| 151 | The asymptotic approach to the continuum of lattice QCD spectral observables. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137069. | 1.5 | 5 |
| 152 | A dark leptophilic scalar with the updated muon $g_{\mu} - 2$ anomaly. European Physical Journal C, 2022, 82, 1. | 1.4 | 2 |
| 153 | Phenomenology of CP-even ALP. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 8 |
| 154 | Pion and Kaon box contribution to $\mu \rightarrow e \gamma$. Physical Review D, 2022, 105, . | 1.6 | 10 |
| 155 | Feasibility study of tau-lepton anomalous magnetic moment measurements with ultra-peripheral collisions at the LHC. EPJ Web of Conferences, 2022, 262, 01021. | 0.1 | 1 |
| 156 | Timelike and spacelike kernel functions for the hadronic vacuum polarization contribution to the muon anomalous magnetic moment. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 055001. | 1.4 | 5 |
| 157 | Systematically testing singlet models for $(g_{\mu}^{\prime} - 2)^{1/4}$. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 20 |
| 158 | Using improved operator product expansion in Borel-Laplace sum rules with ALEPH a_{μ} decay data, and determination of pQCD coupling. European Physical Journal C, 2022, 82, 1. | 1.4 | 6 |
| 159 | Cornering the Two Higgs Doublet Model Type II. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 21 |
| 160 | Muonic force behind flavor anomalies. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 27 |
| 161 | A dispersive analysis of $\eta \rightarrow \pi^+ \pi^- \gamma$ and $\eta \rightarrow \ell^+ \ell^- \gamma$. European Physical Journal C, 2022, 82, 434. | 1.4 | 10 |
| 162 | Kaon electromagnetic form factors in dispersion theory. European Physical Journal C, 2022, 82, 432. | 1.4 | 18 |
| 163 | Single π^0 production in $\hat{1}/e$ scattering at MUonE. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137138. | 1.5 | 4 |
| 164 | Testing a conjecture on quantum electrodynamics. Journal of Geometry and Physics, 2022, 178, 104551. | 0.7 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 183 | The W boson mass weighs in on the non-standard Higgs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137232. | 1.5 | 35 |
| 184 | Physicists spellbound by deepening mystery of muon particle's magnetism. Nature, 0, , . | 13.7 | 0 |
| 185 | Effective comparison of neutrino-mass models. Physical Review D, 2022, 105, . | 1.6 | 14 |
| 186 | Explaining the hints for lepton flavour universality violation with three S2 leptoquark generations. Journal of High Energy Physics, 2022, 2022, . <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mi>S</mi><mi>U</mi><mi>mo</mi></math> | 1.6 | 19 |
| 187 | muon <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mi>g</mi></math> Lattice calculation of the pion mass difference <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mi>M</mi></math> Physical Review D, 2022, 106, . | 1.6 | 12 |
| 188 | Electromagnetic and strong isospin breaking in light meson masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137291. | 1.5 | 3 |
| 189 | Hints of natural supersymmetry in flavor anomalies?. Physical Review D, 2022, 106, . | 1.6 | 9 |
| 191 | On $(g \hat{\alpha}^2)^{1/4}$ from gauged U(1)X. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 8 |
| 192 | Benchmarking LHC searches for light 2HDM+a pseudoscalars. SciPost Physics, 2022, 13, . | 1.5 | 6 |
| 193 | Singlet extensions and W boson mass in light of the CDF II result. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137324. | 1.5 | 32 |
| 194 | Violation of custodial symmetry from <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mi>W</mi></math>-boson mass measurements. Physical Review D, 2022, 106, . | 1.6 | 30 |
| 195 | Proton momentum and angular momentum decompositions with overlap fermions. Physical Review D, 2022, 106, . | 1.6 | 12 |
| 196 | A simple setup for the determination of the cosmic muon magnetic moment. American Journal of Physics, 2022, 90, 635-640. | 0.3 | 0 |
| 197 | Data-driven evaluations of Euclidean windows to scrutinize hadronic vacuum polarization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137313. | 1.5 | 52 |
| 198 | leadoublet vector leptoquark solution to the muon <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mi>g</mi></math> <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mi>R</mi></math> Physical Review D, 2022, 106, . | 1.6 | 32 |
| 199 | Flavor anomalies in supersymmetric scenarios with nonminimal flavor violation. Physical Review D, 2022, 106, . | 1.6 | 0 |
| 200 | Phenomenological aspects of the supersymmetric extensions of the standard model. Physics-Uspekhi, 0, , . | 0.8 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 202 | Search for a light Z in the $e^+e^- \rightarrow L\bar{L}\gamma$ scenario with the NA64- e experiment. Physical Review D, 2022, 106, . | 1.6 | 8 |
| 203 | Standard model anomalies: lepton flavour non-universality, $g^{\hat{a}^2}$ and W -mass. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 9 |
| 204 | Anomalous Magnetic Moment of Muon. Resonance - Journal of Science Education, 2022, 27, 1341-1353. | 0.2 | 0 |
| 205 | Global analysis of electroweak data in the Standard Model. Physical Review D, 2022, 106, . | 1.6 | 34 |
| 206 | The charm-quark contribution to light-by-light scattering in the muon $g-2$ from lattice QCD. European Physical Journal C, 2022, 82, . | 1.4 | 17 |
| 207 | Unveiling hidden physics at the LHC. European Physical Journal C, 2022, 82, . | 1.4 | 26 |
| 208 | The hadronic running of the electromagnetic coupling and the electroweak mixing angle from lattice QCD. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 20 |
| 209 | An explanation of experimental data of $g-2_{e,\mu}$ in 3-3-1 models with inverse seesaw neutrinos. European Physical Journal C, 2022, 82, . | 1.4 | 6 |
| 210 | Magnetic moments of leptons, charged lepton flavor violations and dark matter phenomenology of a minimal radiative Dirac neutrino mass model. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 4 |
| 211 | Supersymmetric explanation of the muon $g-2$ anomaly with and without stable neutralino. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 9 |
| 212 | Lepton flavor violation, lepton $(g-2)^{1/4}$, e and electron EDM in the modular symmetry. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 11 |
| 213 | Decays $\hat{a}^+ \rightarrow e^+ \nu_e \nu_\mu \nu_\tau$, $\hat{a}^+ \rightarrow e^+ \nu_e \nu_\mu \nu_\tau$, and $(g-2)^{1/4}$. Tj ETQq1 1 0.7843 1.4 | 1.8 | 1 |
| 214 | Experimental Physics, 2022, 2022. Toward excluding a light Z explanation of $b \rightarrow s \gamma$. Physical Review D, 2022, 106, . | 1.6 | 7 |
| 215 | Primordial black holes and $g-2$ gravity. Physical Review D, 2022, 106, . | 1.6 | 1 |
| 216 | Lepton flavor violation and scotogenic Majorana neutrino mass in a Stueckelberg $U(1)_X$ model. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 0 |
| 217 | The Anomalous Magnetic Moment of the Muon. , 2022, , 135-142. | | 0 |
| 218 | Measurement of the Muon Magnetic Anomaly a_μ in the Muon $g-2$ Experiment at Fermilab. Moscow University Physics Bulletin (English) Tj ETQq0 0 0 rgBT /Overback 10 Tf60 97 Td (| | 0 |
| 219 | A flavor-inspired radiative neutrino mass model. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 220 | Muon $g-2$ at a multi-TeV muon collider. Physical Review D, 2022, 106, . | 1.6 | 17 |
| 221 | Radiative corrections to the forward-backward asymmetry in $e^+e^- \rightarrow \mu^+\mu^- \gamma$. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 7 |
| 222 | A bridge to new physics: proposing new μ and e explanations of $a_{\mu}^{1/4}$. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 8 |
| 223 | Prospects for a flavour violating $\Delta B=1$ explanation of Δa_{μ} . European Physical Journal C, 2022, 82, . | 1.4 | 3 |
| 224 | Muon anomalous magnetic moment with staggered fermions: Is the lattice spacing small enough?. Physical Review D, 2022, 106, . | 1.6 | 25 |
| 225 | Photon emissivity of the quark-gluon plasma: A lattice QCD analysis of the transverse channel. Physical Review D, 2022, 106, . | 1.6 | 3 |
| 226 | The QCD Adler Function and the Muon $g-2$ Anomaly from Renormalons. Symmetry, 2022, 14, 1878. | 1.1 | 3 |
| 227 | Neutrino seesaw models at one-loop matching: discrimination by effective operators. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 14 |
| 228 | Leptoquark-vectorlike quark model for the CDF $g-2$ anomaly. Physical Review D, 2022, 106, . | 1.6 | 17 |
| 229 | Probing the $g-2$ anomaly with a muon $g-2$ experiment. Physical Review D, 2022, 106, . | 1.6 | 16 |
| 230 | Effect of large light-heavy neutrino mixing and natural type-II seesaw dominance to lepton flavor violation and neutrinoless double beta decay. European Physical Journal C, 2022, 82, . | 1.4 | 1 |
| 231 | Vacuum stability and scalar masses in the superweak extension of the standard model. Physical Review D, 2022, 106, . | 1.6 | 8 |
| 232 | Flavor probes of axion-like particles. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 56 |
| 233 | FLAG Review 2021. European Physical Journal C, 2022, 82, . | 1.4 | 218 |
| 234 | $(g-2)_{\mu}$ and SUSY. International Journal of Modern Physics A, 2022, 37, . | 0.5 | 2 |
| 235 | Hadronic vacuum polarization contributions to the muon $g-2$ in the space-like region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 834, 137462. | 1.5 | 5 |
| 236 | Muon and electron $g-2$ anomalies in a flavor conserving 2HDM with an oblique view on the CDF M_W value. European Physical Journal C, 2022, 82, . | 1.4 | 19 |
| 237 | Explaining anomalies of B-physics, muon $g-2$ and W mass in R-parity violating MSSM with seesaw mechanism. European Physical Journal C, 2022, 82, . | 1.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 238 | Neutron star heating in dark matter models for the muon $g - 2$ discrepancy. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 3 |
| 239 | Smuon in the NMSSM confronted with the muon $g - 2$ anomaly and SUSY searches*. Chinese Physics C, 2023, 47, 013107. | 1.5 | 7 |
| 240 | Elusive muonic WIMP. Physical Review D, 2022, 106, . | 1.6 | 2 |
| 241 | Contribution of exclusive $\langle \mu \mathcal{H}_{\text{eff}} \mu \rangle$ to the muon $g - 2$ anomaly. Physical Review D, 2022, 106, . | 1.6 | 6 |
| 242 | Resolving muon $g - 2$ anomaly with partial compositeness. European Physical Journal C, 2022, 82, . | 1.4 | 1 |
| 243 | Isovector axial form factor of the nucleon from lattice QCD. Physical Review D, 2022, 106, . | 1.6 | 13 |
| 244 | Windows on the hadronic vacuum polarization contribution to the muon anomalous magnetic moment. Physical Review D, 2022, 106, . | 1.6 | 21 |
| 245 | Implications of the muon anomalous magnetic moment for the LHC and MUonE. Physical Review D, 2022, 106, . | 1.6 | 3 |
| 246 | New fermions in the light of the $(g - 2)_{\mu}$. Frontiers in Physics, 0, 10, . | 1.0 | 2 |
| 247 | Isospin-breaking effects in the two-pion contribution to hadronic vacuum polarization. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 13 |
| 248 | Simulating lattice quantum electrodynamics on a quantum computer. Quantum Science and Technology, 2023, 8, 015008. | 2.6 | 3 |
| 249 | Two-photon exchange in (muonic) deuterium at N ³ LO in pionless effective field theory. European Physical Journal A, 2022, 58, . | 1.0 | 2 |
| 250 | Impact of Lorentz violation on anomalous magnetic moments of charged leptons. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 2 |
| 251 | Tension between $\langle \mu \mathcal{H}_{\text{eff}} \mu \rangle$ and $(g - 2)_{\mu}$. Physical Review D, 2022, 106, . | 1.6 | 2 |
| 252 | Short-distance constraints on the hadronic light-by-light. EPJ Web of Conferences, 2022, 274, 06010. | 0.1 | 1 |
| 253 | Hadronic light-by-light contribution to the anomalous magnetic moment of the muon: The role of scalar resonances in a holographic model of QCD. EPJ Web of Conferences, 2022, 270, 00029. | 0.1 | 0 |
| 254 | Dark sector tensor currents contribution to lepton's anomalous magnetic moment. Nuclear Physics B, 2023, 986, 116044. | 0.9 | 0 |
| 255 | Round table on Standard Model Anomalies. EPJ Web of Conferences, 2022, 274, 01006. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 256 | From maximum force to physics in 9 lines and towards relativistic quantum gravity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2022, . | 0.7 | 1 |
| 257 | Phenomenology of scalar leptoquarks at the LHC in explaining the radiative neutrino masses, muon g , and lepton flavor violating observables. Physical Review D, 2022, 106, . | 1.6 | 7 |
| 258 | A comprehensive study of the vector leptoquark with $U(1)_{B-L}^2$ on the B -meson and muon $g-2$ anomalies. Progress of Theoretical and Experimental Physics, 2023, 2023, . | 1.8 | 3 |
| 259 | Atmospheric axionlike particles at Super-Kamiokande. Physical Review D, 2022, 106, . | 1.6 | 6 |
| 260 | The flavourful present and future of 2HDMs at the collider energy frontier. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 13 |
| 261 | Toward testing the magnetic moment of the tau at one part per million. Physical Review D, 2022, 106, . | 1.6 | 9 |
| 262 | Thermal Leptophilic Light Vector Dark Matter with Spinor Mediator and Muon ($g-2$) Anomaly. International Journal of Theoretical Physics, 2023, 62, . | 0.5 | 0 |
| 263 | Anomalous gauge couplings vis-A-vis W mass, muon $g-2$ anomaly, and $B-L$ scotogenic model extended with vector like fermion. Physica Scripta, 2023, 98, 025304. | 1.6 | 22 |
| 264 | Combined explanation of W mass, muon $g-2$ anomaly, and $B-L$ scotogenic model extended with vector like fermion. Physica Scripta, 2023, 98, 025304. | 1.6 | 22 |
| 265 | Probing non-standard neutrino interactions with a light boson from next galactic and diffuse supernova neutrinos. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 13 |
| 266 | The Contribution of Charged Bosons with Right-Handed Neutrinos to the Muon $g-2$ Anomaly in the Twin Higgs Models. Universe, 2022, 8, 654. | 0.9 | 2 |
| 267 | Window observable for the hadronic vacuum polarization contribution to the muon $g-2$ from lattice QCD. Physical Review D, 2022, 106, . | 1.6 | 80 |
| 268 | Muon ($g-2$) in $U(1)_{L^{1/4}} \times U(1)_{B-L}$ scotogenic model extended with vector like fermion. Physica Scripta, 2023, 98, 025304. | 1.2 | 1 |
| 269 | W boson mass shift, dark matter, and $g-2$ anomaly. Physical Review D, 2023, 107, . | 1.6 | 14 |
| 270 | Excited muon production at muon colliders via contact interaction. Journal of Physics G: Nuclear and Particle Physics, 0, . | 1.4 | 0 |
| 271 | Reappraisal of the minimal flavoured $Z\epsilon^2$ scenario. Nuclear Physics B, 2023, 986, 116065. | 0.9 | 2 |
| 272 | High-energy frontier of the muon $g-2$ at a muon collider. Physical Review D, 2022, 106, . | 1.6 | 3 |
| 273 | MUonE, muon $g-2$ and electroweak precision constraints within 2HDMs. Physical Review D, 2022, 106, . | 1.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 274 | Theory of Muon $g-2$, 2022, , . | | 0 |
| 275 | Muon and electron $g-2$ anomalies with non-holomorphic interactions in MSSM. European Physical Journal C, 2023, 83, . | 1.4 | 11 |
| 276 | Probing new physics in the vector-like lepton model by lepton electric dipole moments. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 7 |
| 277 | Muon-electron scattering at NNLO. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 6 |
| 278 | Muon $g-2$ with overlap valence fermions. Physical Review D, 2023, 107, . | 1.6 | 18 |
| 279 | Isospin-breaking corrections to light-meson leptonic decays from lattice simulations at physical quark masses. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 3 |
| 280 | A model for fermionic dark matter addressing both the CDF MW and the $(g-2)^{1/4}$ anomalies. Frontiers in Physics, 0, 11, . | 1.0 | 1 |
| 281 | Zee-model predictions for lepton flavor violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 841, 137910. | 1.5 | 3 |
| 282 | The muon $g-2$ anomaly confronts new physics in $e\hat{A}\pm$ and $\hat{1/4}\hat{A}\pm$ final states scattering. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 7 |
| 283 | Muon $g-2$ anomaly from a massive spin-2 particle. Physical Review D, 2023, 107, . | 1.6 | 1 |
| 284 | Hadronic uncertainties versus new physics for the W boson mass and Muon $g-2$ anomalies. Nature Communications, 2023, 14, . | 5.8 | 18 |
| 285 | Anomalous and axial $Z\epsilon^2$ contributions to $g-2$. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 1 |
| 286 | Chiral perturbation theory: reflections on effective theories of the standard model. Indian Journal of Physics, 2023, 97, 3245-3267. | 0.9 | 4 |
| 287 | Measurement of $e^+e^-\hat{A}\pm^+\hat{A}\pm^-\hat{A}\pm^+\hat{A}\pm^-\hat{A}\pm^+$ at BABAR and calculation of $(g-2)$. Nuclear and Particle Physics Proceedings, 2023, 324-329, 119-124. | 0.2 | 0 |
| 288 | Constraints on the hadronic light-by-light in the Melnikov-Vainshtein regime. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 7 |
| 289 | The cost of an ALP solution to the neutral B-anomalies. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 5 |
| 290 | Flavor-changing light bosons with accidental longevity. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 3 |
| 291 | Borel-Laplace sum rules with $\tilde{\Gamma}$, decay data, using OPE with improved anomalous dimensions. Journal of Physics G: Nuclear and Particle Physics, 2023, 50, 045004. | 1.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 292 | Spin dynamics in nonuniform electromagnetic wave fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 839, 137786. | 1.5 | 0 |
| 293 | HEWES: Heisenbergâ€Euler weak-field expansion simulator. Software Impacts, 2023, 15, 100481. | 0.8 | 0 |
| 294 | Neutrino masses, flavor anomalies, and muon $g-2$ from dark loops. Physical Review D, 2023, 107, . | 1.6 | 2 |
| 295 | Spectral-weight sum rules for the hadronic vacuum polarization. Physical Review D, 2023, 107, . | 1.6 | 7 |
| 296 | The Lowâ€Scale Seesaw Solution to the M_W and $(g-2)_{\mu}$ Anomalies. Fortschritte Der Physik, 2023, 71, . | 1.5 | 5 |
| 297 | First results on QCD+QED with C^* boundary conditions. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 3 |
| 298 | Flavor- and CP-safe explanation of $g-2$ anomaly. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 0 |
| 299 | Lepton anomaly from QED diagrams with vacuum polarization insertions within the Mellinâ€Barnes representation. European Physical Journal Plus, 2023, 138, . | 1.2 | 2 |
| 300 | Coordinate-space calculation of the window observable for the hadronic vacuum polarization contribution to $g-2$. ETQ_0 | 1.6 | 0 |
| 301 | Radiative flavor template at the LHC: W and W mass. Physical Review D, 2023, 107, . | 1.6 | 1 |
| 302 | X17 search project with EAR2 neutron beam. EPJ Web of Conferences, 2023, 279, 13007. | 0.1 | 0 |
| 303 | Is the Standard Model in Jeopardy?. Resonance - Journal of Science Education, 2023, 28, 433-446. | 0.2 | 0 |
| 304 | The CMSSM survives Planck, the LHC, LUX-ZEPLIN, Fermi-LAT, H.E.S.S. and IceCube. European Physical Journal C, 2023, 83, . | 1.4 | 3 |
| 305 | Forward light-by-light scattering and electromagnetic correction to hadronic vacuum polarization. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 2 |
| 306 | Hadronic light-by-light contribution to the muon $g-2$ from holographic QCD with solved U . | | |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 310 | Data-based determination of the isospin-limit light-quark-connected contribution to the anomalous magnetic moment of the muon. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 6 |
| 311 | On the time momentum representation of hadronic vacuum polarization and $g_{\mu\nu}^{\gamma^*} \hat{a}^2$. <i>Journal of High Energy Physics</i> , 2023, 2023, . | 1.6 | 0 |
| 312 | A Concise Review on Some Higgs-Related New Physics Models in Light of Current Experiments. <i>Universe</i> , 2023, 9, 178. | 0.9 | 1 |
| 313 | Hadronic light-by-light scattering contribution to the muon $g_{\mu\nu}^{\gamma^*}$ 2 from lattice QCD: semi-analytical calculation of the QED kernel. <i>Journal of High Energy Physics</i> , 2023, 2023, . | 1.6 | 1 |
| 314 | The Euclidean Adler function and its interplay with $\Delta_{\text{had}}^{\text{QED}}$ and $\Delta_{\text{had}}^{\text{had}}$. <i>Journal of High Energy Physics</i> , 2023, 2023, . | 1.6 | 7 |
| 315 | Constraining lepton flavor violating Higgs couplings at the HL-LHC in the vector boson fusion channel. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 316 | Chasing the two-Higgs doublet model in the di-Higgs boson production. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 8 |
| 317 | Lattice calculation of the short and intermediate time-distance hadronic vacuum polarization contributions to the muon magnetic moment using twisted-mass fermions. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 60 |
| 346 | Supersymmetry: a decade after Higgs discovery. <i>Indian Journal of Physics</i> , 0, , . | 0.9 | 0 |
| 364 | Towards a muon collider. <i>European Physical Journal C</i> , 2023, 83, . | 1.4 | 19 |
| 369 | Muons: A Gateway to New Physics. , 0, , . | | 1 |
| 409 | 50 Years of quantum chromodynamics. <i>European Physical Journal C</i> , 2023, 83, . | 1.4 | 8 |
| 414 | Searching for a dark matter particle with anti-protonic atoms. <i>European Physical Journal C</i> , 2023, 83, . | 1.4 | 0 |
| 436 | The precision measurement of the W boson mass and its impact on physics. <i>Nature Reviews Physics</i> , 2024, 6, 180-193. | 11.9 | 0 |
| 449 | Particle Physics Aspects. <i>Lecture Notes in Physics</i> , 2024, , 425-449. | 0.3 | 0 |