

De-Liang Yao

List of Publications by Year in descending order

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papers

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343
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Analyses of pion-nucleon elastic scattering amplitudes up to $O(p^4)$. <i>Physical Review D</i> , 2013, 87, . | 4.7 | 67 |
| 2 | Pion-nucleon scattering in covariant baryon chiral perturbation theory with explicit Delta resonances. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. | 4.7 | 45 |
| 3 | New insights into the D masses and sigma terms of doubly charmed baryons up to $O(p^4)$. <i>Physical Review D</i> , 2018, 98, . | 4.7 | 41 |
| 4 | One-loop analysis of the interactions between charmed mesons and Goldstone bosons. <i>Journal of High Energy Physics</i> , 2015, 2015, 1. | 4.7 | 45 |
| 5 | Towards a new paradigm for heavy-light meson spectroscopy. <i>Physical Review D</i> , 2018, 98, . | 4.7 | 41 |
| 6 | Study of open-charm Λ_c^+ states in unitarized chiral effective theory with one-loop potentials. <i>European Physical Journal C</i> , 2017, 77, 1. | 3.9 | 36 |
| 7 | Refined analysis on the X masses and sigma terms of doubly charmed baryons up to $O(p^4)$. <i>Physical Review D</i> , 2018, 97, . | 4.7 | 31 |
| 8 | Masses and sigma terms of doubly charmed baryons up to $O(p^4)$. <i>Physical Review D</i> , 2018, 97, . | 4.7 | 29 |
| 9 | A review on partial-wave dynamics with chiral effective field theory and dispersion relation. <i>Reports on Progress in Physics</i> , 2021, 84, 076201. | 20.1 | 28 |
| 10 | Hunting for states in the recent LHCb $d\bar{c}$ invariant mass spectrum. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 27 |
| 11 | Aspects of the low-energy constants in the chiral Lagrangian for charmed mesons. <i>Physical Review D</i> , 2016, 94, . | 4.7 | 26 |
| 12 | Pole analysis on the hadron spectroscopy of $\Lambda_c^+ \rightarrow \Lambda \pi^0 K^+$. <i>European Physical Journal C</i> , 2020, 80, 1. | 3.9 | 26 |
| 13 | Extraction of nucleon axial charge and radius from lattice QCD results using baryon chiral perturbation theory. <i>Physical Review D</i> , 2017, 96, . | 4.7 | 25 |
| 14 | The width of the Roper resonance in baryon chiral perturbation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 736-741. | 4.1 | 17 |
| 15 | Amplitude analysis of the anomalous decay $\Lambda_c^+ \rightarrow \Lambda \pi^0 K^+$. <i>Physical Review D</i> , 2018, 97, . | 4.7 | 17 |
| 16 | Baryon chiral perturbation theory extended beyond the low-energy region. <i>European Physical Journal C</i> , 2015, 75, 499. | 3.9 | 14 |
| 17 | Weak pion production off the nucleon in covariant chiral perturbation theory. <i>Physical Review D</i> , 2018, 98, . | 4.7 | 14 |
| 18 | The width of the Λ_c^+ -resonance at two loop order in baryon chiral perturbation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 1-8. | 4.1 | 13 |

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|----|---|-----|-----------|
| 19 | Neutral-current weak pion production off the nucleon in covariant chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 794, 109-113. | 4.1 | 12 |
| 20 | New insights on low energy $\pi N \pi N$ scattering amplitudes. European Physical Journal C, 2018, 78, 1. | 3.9 | 11 |
| 21 | Pion photoproduction off nucleons in covariant chiral perturbation theory. Physical Review D, 2019, 100, . | 4.7 | 10 |
| 22 | Positivity constraints on the low-energy constants of the chiral pion-nucleon Lagrangian. European Physical Journal C, 2014, 74, 1. | 3.9 | 8 |
| 23 | Renormalization of the three-boson system with short-range interactions revisited. European Physical Journal A, 2017, 53, 1. | 2.5 | 8 |
| 24 | Chiral effective Lagrangian for doubly charmed baryons up to $\mathcal{O}(q^4)$. $\langle \mathcal{O} \rangle$ level. Chinese Physics C, 2019, 43, 064110. | 4.7 | 8 |
| 25 | New insights on low energy πN scattering amplitudes: comprehensive analyses at $\mathcal{O}(p^3)$ level. Chinese Physics C, 2019, 43, 064110. | 3.7 | 7 |
| 26 | On the existence of $N^*(890)$ resonance in S_{11} channel of πN scatterings. Frontiers of Physics, 2019, 14, 1. | 5.0 | 7 |
| 27 | A Study of πN Mixing in Resonance Chiral Theory. Communications in Theoretical Physics, 2018, 69, 50. | 2.5 | 6 |
| 28 | New parametrization of the form factors in $B \rightarrow \pi \ell^+ \ell^-$ decays. Physical Review D, 2020, 101, . | 4.7 | 5 |
| 29 | Dispersive analysis of low energy $\pi^3 N \pi$ process and studies on the $N^*(890)$ resonance. Chinese Physics C, 2021, 45, 014104. | 3.7 | 4 |
| 30 | π -nucleon elastic scattering amplitude within covariant baryon chiral perturbation theory up to $\mathcal{O}(q^4)$. Nuclear Physics, 2021, 502, 115077. | 0.4 | 1 |
| 31 | Global analysis of the $\rho(1232)$ contribution in the pion photo-production off nucleons. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 32 | Implication of chiral symmetry on neutral weak pion production off a nucleon. , 2020, , . | | 0 |