

# Guofu Cao

## List of Publications by Year in descending order

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Version: 2024-02-01

112  
papers

7,706  
citations

87888

38  
h-index

49909

87  
g-index

112  
all docs

112  
docs citations

112  
times ranked

5365  
citing authors

| # | ARTICLE  | IF   | CITATIONS |
|---|--|------|-----------|
| 1 | Observation of Electron-Antineutrino Disappearance at Daya Bay. Physical Review Letters, 2012, 108, 171803.                          | 7.8  | 1,751     |
| 2 | Neutrino physics with JUNO. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 030401.                                    | 3.6  | 750       |
| 3 | Observation of a Charged Charmoniumlike Structure $Z_c(4020)$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6.57 Td (stretchy="false") | 6.57 | 1000      |
| 4 | Observation of a Charged Charmoniumlike Structure in $e^+e^-$ at $\sqrt{s} = 4.18$ GeV   | 6.57 | 1000      |



| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Study of $e^+e^- \rightarrow \mu^+\mu^- + \text{hadrons}$ at the BESIII Center of Mass Energies from 4.21 to 4.42 GeV. Physical Review Letters, 2015, 114, 092003.                                     | 7.8 | 103       |
| 20 | Measurements of Absolute Hadronic Branching Fractions of the $B_c$ . Physical Review Letters, 2016, 116, 052001.   | 7.8 | 94        |
| 21 | Search for a Light Sterile Neutrino at Daya Bay. Physical Review Letters, 2014, 113, 141802.   | 7.8 | 79        |
| 22 | Determination of the Spin and Parity of the $Z(3900)$ . Physical Review Letters, 2015, 115, 221805.  | 7.8 | 78        |
| 23 | Limits on Active to Sterile Neutrino Oscillations from Disappearance Searches in the MINOS, Daya Bay, and Bugey-3 Experiments. Physical Review Letters, 2016, 117, 151801.                             | 7.8 | 71        |
| 24 | Observation of a Neutral Charmoniumlike State $\psi(4025)$ . Physical Review Letters, 2015, 115, 221805.   | 7.8 | 71        |
| 25 | Observation of a Neutral Charmoniumlike State $\psi(4025)$ . Physical Review Letters, 2015, 115, 221805.   | 7.8 | 70        |
| 26 | Precision Measurement of the $B_c$ Lifetime. Physical Review Letters, 2018, 120, 132001.   | 7.8 | 66        |
| 27 | Improved Search for a Light Sterile Neutrino with the Full Configuration of the Daya Bay Experiment. Physical Review Letters, 2016, 117, 151802.   | 7.8 | 65        |
| 28 | Measurement of Proton Electromagnetic Form Factors in $e^+e^- \rightarrow p\bar{p}$ . Physical Review Letters, 2015, 115, 221805.  | 7.8 | 60        |
| 29 | Study of $e^+e^- \rightarrow \mu^+\mu^- + \text{hadrons}$ at the BESIII Center of Mass Energies from 4.21 to 4.42 GeV. Physical Review Letters, 2015, 114, 092003.                                     | 7.8 | 54        |
| 30 | Evidence for a resonant structure in $B_c$ . Physical Review Letters, 2019, 122, 232002.   | 7.8 | 53        |
| 31 | Observation of the $B_c$ . Physical Review Letters, 2016, 116, 052001.   | 7.8 | 47        |
| 32 | Extraction of the $B_c$ Lifetime. Physical Review Letters, 2018, 120, 132001.  | 7.8 | 47        |
| 33 | Complete Measurement of the $B_c$ Lifetime. Physical Review Letters, 2019, 123, 122003.  | 7.8 | 44        |
| 34 | Measurement of Azimuthal Asymmetries in Inclusive Charged Dipion Production $e^+e^- \rightarrow \mu^+\mu^- + \text{hadrons}$ at $\sqrt{s} = 3.65$ GeV. Physical Review Letters, 2016, 116, 042001.     | 7.8 | 42        |
| 35 | Measurement of the Branching Fraction For the Semileptonic Decay $D_0(+) \rightarrow \mu^+\mu^- (0) \ell_1 \ell_2$ and Test of Lepton Flavor Universality. Physical Review Letters, 2018, 121, 171803. | 7.8 | 42        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Observation of an Anomalous Line Shape of the Spectrum near the $\hat{\nu}^2$ . Physical Review Letters, 2016, 117, 042002.  | 7.8 | 40        |
| 38 | Improved Constraints on Sterile Neutrino Mixing from Disappearance Searches in the MINOS, Daya Bay, and Bugey-3 Experiments. Physical Review Letters, 2020, 125, 071801. | 3.9 | 39        |
| 39 | Improved measurement of the absolute branching fraction of $D^+ \rightarrow K^0 \mu^+ \nu_{\mu}$ . European Physical Journal C, 2016, 76, 1.                             | 4.7 | 39        |
| 40 | Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1.  | 7.8 | 34        |
| 41 | Observation of a Resonant Structure in the Spectrum of $\hat{\nu}^2$ . Physical Review Letters, 2016, 117, 042002.   | 7.8 | 33        |
| 42 | Measurements of the ion fraction and mobility of products in liquid xenon using the EXO-200 detector. Physical Review C, 2015, 92, .                                     | 7.8 | 36        |
| 43 | Precision Study of $\hat{\nu}^2$ . Physical Review Letters, 2016, 117, 042002.   | 7.8 | 35        |
| 44 | Observation and Spin-Parity Determination of the $\hat{\nu}^2$ . Physical Review Letters, 2016, 117, 042002.   | 7.8 | 34        |
| 45 | Measurements of the ion fraction and mobility of products in liquid xenon using the EXO-200 detector. Physical Review C, 2015, 92, .                                     | 7.8 | 33        |
| 46 | Polarization in the $\hat{\nu}^2$ . Physical Review Letters, 2016, 117, 042002.  | 7.8 | 33        |
| 47 | Investigation of radioactivity-induced backgrounds in EXO-200. Physical Review C, 2015, 92, .  | 2.9 | 32        |
| 48 | Observation of $\hat{\nu}^2$ . Physical Review Letters, 2017, 118, 112001.   | 7.8 | 31        |
| 49 | Physical Review Letters, 2017, 118, 112001.  | 7.8 | 29        |
| 50 | Observation of the Decay $\hat{\nu}^2$ . Physical Review Letters, 2017, 118, 012001.   | 7.8 | 29        |
| 51 | Dynamics and Test of Lepton Flavor Universality with $\hat{\nu}^2$ . Physical Review Letters, 2019, 122, 011804.   | 7.8 | 29        |
| 52 | Amplitude Analysis of the Decays $\hat{\nu}^2$ and $\hat{\nu}^2$ . Physical Review Letters, 2017, 118, 012001.   | 7.8 | 26        |
| 53 | Measurement of the Cross Section for $\hat{\nu}^2$ . Physical Review Letters, 2016, 117, 232002.   | 7.8 | 25        |
| 54 | Measurement of Singly Cabibbo Suppressed Decays $\hat{\nu}^2$ . Physical Review Letters, 2016, 117, 232002.  |     |           |

| #  | ARTICLE  | IF | CITATIONS |
|----|--|----|-----------|
| 55 | Observation of $a$ $0$ $980$ $T_j$ $ETQq_1$ $1$ $0.784314$ $rgBT$ $Overlock$ $10$ $Tf$ $50$ $737$ $Td$ |    |           |



| #  | ARTICLE TITLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Observation of $D \rightarrow \bar{K}^* \ell^+ \ell^-$ decays. Physical Review Letters, 2017, 118, 221802.   | 7.8 | 13        |
| 74 | Observation of the doubly Cabibbo-suppressed decay $D \rightarrow \bar{K}^* \ell^+ \ell^-$ . Physical Review Letters, 2020, 125, 141802.   | 7.8 | 13        |
| 75 | Observation of $X(2370)$ and search for $X(2120)$ in $J/\psi \rightarrow \gamma K \eta$ . European Physical Journal C, 2020, 80, 1.  | 3.9 | 13        |
| 76 | Model-independent Determination of the Spin of the $\Lambda(1520)$ and Its Polarization Alignment in $\Lambda \rightarrow p \bar{K}^0$ . Physical Review Letters, 2021, 126, 062004.   | 7.8 | 13        |
| 77 | Radioactivity control strategy for the JUNO detector. Journal of High Energy Physics, 2021, 2021, 1.   | 4.7 | 13        |
| 78 | Measurement of the Cross Section for $e^+e^- \rightarrow \mu^+\mu^-$ at Energies from 2.23 to 5.710 GeV. Physical Review Letters, 2022, 128, 062004.   | 7.8 | 12        |
| 79 | Joint Determination of Reactor Antineutrino Spectra from $D \rightarrow \bar{K}^* \ell^+ \ell^-$ and $D \rightarrow \bar{K}^* \ell^+ \ell^-$ . Physical Review Letters, 2021, 127, 191801.   | 7.8 | 12        |
| 80 | JUNO sensitivity to low energy atmospheric neutrino spectra. European Physical Journal C, 2021, 81, 1.   | 3.9 | 11        |
| 81 | Precision Measurement of the Branching Fractions of $D \rightarrow \bar{K}^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 142002.  | 7.8 | 10        |
| 82 | Measurement of the Absolute Branching Fraction of $D \rightarrow \bar{K}^* \ell^+ \ell^-$ via $D \rightarrow \bar{K}^* \ell^+ \ell^-$ . Physical Review Letters, 2021, 126, 062004.  | 4.7 | 8         |
| 83 | Measurement of the $D \rightarrow \bar{K}^* \ell^+ \ell^-$ and $D \rightarrow \bar{K}^* \ell^+ \ell^-$ coherence factors and average strong-phase differences in quantum-correlated $D^0$ decays. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 8         |
| 84 | Reflectance of Silicon Photomultipliers at Vacuum Ultraviolet Wavelengths. IEEE Transactions on Nuclear Science, 2020, 67, 2501-2510.  | 2.0 | 8         |
| 85 | Observation of $D \rightarrow \bar{K}^* \ell^+ \ell^-$ decays. Physical Review Letters, 2021, 127, 191801.   | 7.8 | 10        |
| 86 | Measurement of the $D \rightarrow \bar{K}^* \ell^+ \ell^-$ and $D \rightarrow \bar{K}^* \ell^+ \ell^-$ coherence factors and average strong-phase differences in quantum-correlated $D^0$ decays. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 8         |
| 87 | Amplitude analysis and branching-fraction measurement of $D \rightarrow \bar{K}^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 6         |
| 88 | Amplitude analysis and branching fraction measurement of the decay $D \rightarrow \bar{K}^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2022, 2022, 1.  | 4.7 | 5         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | A new optical model for photomultiplier tubes. European Physical Journal C, 2022, 82, 1.  | 3.9 | 4         |
| 92  | Search for the rare semi-leptonic decay $J/\psi \rightarrow D^* e^+ \bar{\nu}_e + c.c..$ Journal of High Energy Physics, 2021, 2021, 1.   | 4.7 | 3         |
| 93  | Measurement of branching fractions of $J/\psi$ and $\psi(3686)$ decays to $\bar{\nu}_e$ and $\overline{\text{Sigma}}^0$ . Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 3         |
| 94  | Measurement of the absolute branching fraction of the inclusive decay $\Lambda_c^+ \rightarrow K_S^0 X$ . European Physical Journal C, 2020, 80, 1.   | 3.9 | 2         |
| 95  | Vacuum ultraviolet high-reflectance aluminum mirrors on copper substrate for application in noble liquid time projection chamber. Vacuum, 2022, 197, 110806.  | 3.5 | 2         |
| 96  | Cross section measurements of the $e^+e^- \rightarrow D^* + D^* \bar{\nu}$ and $e^+e^- \rightarrow D^* + D^* \bar{\nu}$ processes at center-of-mass energies from 4.085 to 4.600 GeV. Journal of High Energy Physics, 2022, 2022, .                 | 4.7 | 2         |
| 97  | Parallel computing of SNIPEr based on Intel TBB. Journal of Physics: Conference Series, 2018, 1085, 032009.   | 0.4 | 1         |
| 98  | Reflectance of silicon photomultipliers in linear alkylbenzene. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 973, 164171.                                 | 1.6 | 1         |
| 99  | Evaluation of the KLauS ASIC at low temperature. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 996, 165110.  | 1.6 | 1         |
| 100 | Direct Measurement of the Branching Fractions $B(\psi(3686) \rightarrow J/\psi X)$ and $B(\psi(3770) \rightarrow J/\psi X)$ , and Observation of the State $R(3760)$ in $e^+e^- \rightarrow J/\psi X$ . Physical Review Letters, 2021, 127, 082002. | 7.8 | 1         |
| 101 | Observation of $e^+e^- \rightarrow \psi(2S)$ at center-of-mass energies from 4.236 to 4.600 GeV. Journal of High Energy Physics, 2021, 2021, 1.   | 4.7 | 0         |
| 102 | Observation of a Charged Charmoniumlike Structure in $e^+e^- \rightarrow \psi(4230) J/\psi$ at $s=4.26 \text{ GeV}$ . , 2020, , .   |     | 0         |
| 103 | Measurements of Absolute Hadronic Branching Fractions of the $\Lambda_c^+$ Baryon. , 2020, , .  |     | 0         |
| 104 | Observation of $e^+e^- \rightarrow \psi(3802)$ at BESIII. , 2020, , .   |     | 0         |
| 105 | Precise Measurement of the $\langle \sigma(e^+e^- \rightarrow e^+e^- \bar{\nu} \nu) \rangle$ Cross Section at Center-of-Mass Energies from 3.77 to 4.60 GeV. , 2020, , .  |     | 0         |
| 106 | Observation of a Charged Charmoniumlike Structure $Z_c(4020)$ and Search for the $Z_c(3900)$ in $e^+e^- \rightarrow \psi(4020) \gamma$ . , 2020, , .  |     | 0         |
| 107 | Observation of an Anomalous Line Shape of the $\psi(4180)$ Mass Spectrum near the $pp\bar{A}$ Mass Threshold in $J/\psi \rightarrow \psi(4180) \gamma$ . , 2020, , .  |     | 0         |
| 108 | Observation of the decays $\bar{\Lambda}_c^+ \rightarrow \{n\} \{S\} \overline{\Lambda} + c.c..$ Journal of High Energy Physics, 2021, 2021, 1.   | 4.7 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | First Measurement of Polarizations in the Decay $D^0 \rightarrow \pi^+ \pi^- \pi^0$ . Physical Review Letters, 2022, 128, 011803.             | 7.8 | 0         |
| 110 | Amplitude analysis and branching-fraction measurement of $D^0 \rightarrow \pi^+ \pi^- \pi^0$ . Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 0         |
| 111 | Search for the decay $hc \rightarrow \pi^+ \pi^-$ . Journal of High Energy Physics, 2022, 2022, 1.  | 4.7 | 0         |
| 112 | Search for new hadronic decays of $hc$ and observation of $hc \rightarrow \overline{p} \eta$ . Journal of High Energy Physics, 2022, 2022, .  | 4.7 | 0         |