

# Jorge Segovia

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

2,835  
citations

117571

34  
h-index

197736

49  
g-index

115  
all docs

115  
docs citations

115  
times ranked

3675  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Pion and kaon structure at the electron-ion collider. European Physical Journal A, 2019, 55, 1.  | 1.0 | 110       |
| 2  | $J^P C$<br>charm resonances. Physical Review D, 2008, 78, .  | 1.6 | 102       |
| 3  | Coupled channel approach to the structure of the $X$<br>stretchy="false"> ( $3872$ ) $T_j$ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 652 Td (stretchy="false">      | 1.6 | 102       |
| 4  | Nucleon and $\Delta$ Elastic and Transition Form Factors. Few-Body Systems, 2014, 55, 1185-1222.   | 0.7 | 101       |
| 5  | Completing the Picture of the Roper Resonance. Physical Review Letters, 2015, 115, 171801.   | 2.9 | 100       |
| 6  | Diquark correlations in hadron physics: Origin, impact and evidence. Progress in Particle and Nuclear Physics, 2021, 116, 103835.                                  | 5.6 | 88        |
| 7  | Bottomonium spectrum revisited. Physical Review D, 2016, 93, .   | 1.6 | 85        |
| 8  | CONSTITUENT QUARK MODEL DESCRIPTION OF CHARMONIUM PHENOMENOLOGY. International Journal of Modern Physics E, 2013, 22, 1330026.                                     | 0.4 | 75        |
| 9  | Scaling of the $P$<br>strength in heavy meson strong decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 322-327. | 1.5 | 71        |
| 10 | Effective charge from lattice QCD *. Chinese Physics C, 2020, 44, 083102.  | 1.5 | 66        |
| 11 | Tetra- and Penta-Quark Structures in the Constituent Quark Model. Symmetry, 2020, 12, 1869.  | 1.1 | 65        |
| 12 | Revealing the structure of light pseudoscalar mesons at the electron-ion collider. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 075106.           | 1.4 | 58        |
| 13 | Double-heavy tetraquarks. Physical Review D, 2020, 101, .  | 1.6 | 53        |
| 14 | Strong Running Coupling from the Gauge Sector of Domain Wall Lattice QCD with Physical Quark Masses. Physical Review Letters, 2019, 122, 162002.                   | 2.9 | 51        |
| 15 | Elastic and Transition Form Factors of the $\Delta$ (1232). Few-Body Systems, 2014, 55, 1-33.  | 0.7 | 49        |
| 16 | Masses of ground-state mesons and baryons, including those with heavy quarks. Physical Review D, 2019, 100, .  | 1.6 | 48        |
| 17 | Understanding the nucleon as a Borromean bound-state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 100-106.        | 1.5 | 46        |
| 18 | Strong QCD from Hadron Structure Experiments. International Journal of Modern Physics E, 2020, 29, 2030006.  | 0.4 | 45        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Nucleon-to-Roper electromagnetic transition form factors at large $Q^2$ . Physical Review D, 2019, 99, .  | 1.6 | 43        |
| 20 | Diffusion Monte-Carlo calculations of fully-heavy multiquark bound states. Physical Review D, 2020, 102, .  | 1.6 | 43        |
| 21 | Improved determination of heavy quarkonium magnetic dipole transitions in potential nonrelativistic QCD. Physical Review D, 2013, 87, .   | 1.6 | 42        |
| 22 | Molecular components in $P$ -wave charmed-strange mesons. Physical Review D, 2016, 94, .  | 1.6 | 42        |
| 23 | Canonical description of the new LHCb resonances. Physical Review D, 2016, 94, .  | 1.6 | 42        |
| 24 | Is chiral symmetry restored in the excited meson spectrum?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 662, 33-36.                                     | 1.5 | 41        |
| 25 | Charmonium resonances in the 3.9 GeV/c <sup>2</sup> energy region and the X(3915)/X(3930) puzzle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 1-5. | 1.5 | 40        |
| 26 | Structure of the nucleon's low-lying excitations. Physical Review D, 2018, 97, .  | 1.6 | 38        |
| 27 | Insights into the $N_1$ Physical Review C, 2013, 88, .  |     |           |
| 28 | Contact-interaction Faddeev equation and, $\rho$ tensor charges. Physical Review D, 2015, 92, .   | 1.6 | 37        |
| 29 | Triply heavy baryons in the constituent quark model *. Chinese Physics C, 2020, 44, 023102.   | 1.5 | 37        |
| 30 | Distribution amplitudes of light-quark mesons from lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 13-18.                                 | 1.5 | 36        |
| 31 | Semileptonic $B \rightarrow B_s$ decays into orbitally excited charmed mesons. Physical Review D, 2011, 84, .   | 1.6 | 35        |
| 32 | The charm/bottom quark mass from heavy quarkonium at N <sup>3</sup> LO. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 35        |
| 33 | Spin structure of heavy-quark hybrids. Physical Review D, 2019, 99, .   | 1.6 | 35        |
| 34 | Hidden-bottom pentaquarks. Physical Review D, 2019, 99, .   | 1.6 | 34        |
| 35 | Charmed-strange meson spectrum: Old and new problems. Physical Review D, 2015, 91, .  | 1.6 | 33        |
| 36 | Parton distribution amplitudes: Revealing correlations within the proton and Roper. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 263-267.           | 1.5 | 32        |

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|----|---|-----|-----------|
| 37 | The S- and P-Wave Low-Lying Baryons in the Chiral Quark Model. Few-Body Systems, 2018, 59, 1.   | 0.7 | 32        |
| 38 | Masses of positive- and negative-parity hadron ground-states, including those with heavy quarks. European Physical Journal C, 2021, 81, 1.      | 1.4 | 32        |
| 39 | Dissecting nucleon transition electromagnetic form factors. Physical Review C, 2016, 94, .  | 1.1 | 31        |
| 40 | The $Z_c$ structures in a coupled-channels model. European Physical Journal C, 2019, 79, 1.   | 1.4 | 31        |
| 41 | Parity partners in the baryon resonance spectrum. Physical Review C, 2017, 96, .  | 1.1 | 30        |
| 42 | Nucleon elastic form factors at accessible large spacelike momenta. Physical Review D, 2020, 102, .   | 1.6 | 29        |
| 43 | Charmonium resonances in reactions around the $\Lambda_c^+$ baryon. Physical Review D, 2020, 102, .   | 1.6 | 27        |
| 44 | Exotic resonances of fully-heavy tetraquarks in a lattice-QCD inspired quark model. Physical Review D, 2021, 104, .                             | 1.6 | 27        |
| 45 | Doubly charmed pentaquarks. Physical Review D, 2020, 101, .   | 1.6 | 26        |
| 46 | Threshold effects in $P$ -wave bottom-strange mesons. Physical Review D, 2017, 95, .  | 1.6 | 25        |
| 47 | Spectrum and structure of octet and decuplet baryons and their positive-parity excitations. Physical Review D, 2019, 100, .                     | 1.6 | 25        |
| 48 | QCD spin effects in the heavy hybrid potentials and spectra. Physical Review D, 2020, 101, .  | 1.6 | 25        |
| 49 | Transition form factors: $\hat{t}$ mesons. Physical Review D, 2020, 102, .  | 1.6 | 25        |
| 50 | Exotic resonances of fully-heavy tetraquarks in a lattice-QCD inspired quark model. Physical Review D, 2021, 104, .                             | 1.6 | 23        |
| 51 | Hidden-charm tetraquarks with strangeness in the chiral quark model. Physical Review D, 2021, 104, .  | 1.6 | 22        |
| 52 | Spectroscopy of $B_c$ mesons and the possibility of finding exotic $B_c$ -like structures. European Physical Journal C, 2020, 80, 1.            | 1.4 | 21        |
| 53 | Form factors of the nucleon axial current. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136150. | 1.5 | 21        |
| 54 | Very Broad $X(4260)$ and the Resonance Parameters of the $\chi(3D)$ Vector Charmonium State. Physical Review Letters, 2010, 105, 102001.        | 2.9 | 20        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Strong charmonium decays in a microscopic model. Nuclear Physics A, 2013, 915, 125-141.  | 0.6 | 20        |
| 56 | Puzzles in hadronic transitions of heavy quarkonium with two pion emission. Physical Review D, 2015, 91, .   | 1.6 | 20        |
| 57 | $\langle \text{mml:math xmlns:mml=} \text{"http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle \langle \text{mml:mi} \rangle Q \langle \text{mml:mi} \rangle Q \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \hat{A}^- \langle \text{mml:mo} \rangle \langle \text{mml:mover} \langle \text{mml:math xmlns:mml=} \text{"http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle Q \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle q \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo stretchy="false"} \rangle \hat{A}^- \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mover} \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle q \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo}$ | 1.6 | 20        |
| 58 |  |     |           |

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|----|--|-----|-----------|
| 73 | Historical Introduction to Chiral Quark Models. Symmetry, 2021, 13, 252.   | 1.1 | 9         |
| 74 | Structure of the $X$ bosonic algebraic approach applied to the calculation of the physical Review D, 2021, 104, .<br>Physical Review D, 2021, 104, .             | 1.6 | 8         |
| 75 | Bosonic algebraic approach applied to the calculation of the physical Review D, 2021, 104, .   | 1.6 | 8         |
| 76 | Charmonium narrow resonances in the string breaking region. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 075010.                                | 1.4 | 7         |
| 77 | Renormalized quarkonium. Physical Review D, 2012, 86, .  | 1.6 | 6         |
| 78 | A Brief Review of Chiral Chemical Potential and Its Physical Effects. Symmetry, 2020, 12, 2095.  | 1.1 | 6         |
| 79 | The $X(3872)$ an other possible XYZ molecular states. , 2010, , .  |     | 4         |
| 80 | Structure of the Nucleon and Its First Radial Excitation. Few-Body Systems, 2019, 60, 1.   | 0.7 | 4         |
| 81 | The Role of Spin-Flipping Terms in Hadronic Transitions of $Upsilon(4S)$ . Few-Body Systems, 2016, 57, 275-287.  | 0.7 | 3         |
| 82 | pNRQCD determination of E1 radiative transitions. EPJ Web of Conferences, 2017, 137, 06026.  | 0.1 | 3         |
| 83 | Elastic and Transition Form Factors in DSEs. Few-Body Systems, 2016, 57, 461-466.  | 0.7 | 2         |
| 84 | Puzzles in quarkonium hadronic transitions with two pion emission. AIP Conference Proceedings, 2016, , .   | 0.3 | 2         |
| 85 | $\Gamma_{NN^*}^3$ $v$ $NN^*$ — Electrocouplings in Dyson–Schwinger Equations. Few-Body Systems, 2016, 57, 993-1000.  | 0.7 | 2         |
| 86 | Nucleon Parton Distribution Amplitude: A Scalar Diquark Picture. Springer Proceedings in Physics, 2020, , 773-781.   | 0.1 | 2         |
| 87 | CHARMONIUM RESONANCES IN $e^+e^-$ ANNIHILATION CROSS SECTIONS AROUND THE $\Upsilon(4415)$ REGION. International Journal of Modern Physics A, 2011, 26, 573-575.  | 0.5 | 1         |
| 88 | Molecular components in $D^*s(2317)$ and $Ds_1(2460)$ mesons. EPJ Web of Conferences, 2016, 130, 02009.  | 0.1 | 1         |
| 89 | Determination of electric dipole transitions in heavy quarkonia using potential non-relativistic QCD. Journal of Physics: Conference Series, 2018, 1024, 012016. | 0.3 | 1         |
| 90 |  |     |           |

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|-----|--|-----|-----------|
| 91  | Nucleon Viewed as a Borromean Bound-State. Few-Body Systems, 2018, 59, 1.  | 0.7 | 1         |
| 92  | Heavy mesons in the Quark Model. EPJ Web of Conferences, 2019, 199, 01012.   | 0.1 | 1         |
| 93  | Nucleon-to-resonance form factors at large photon virtualities. AIP Conference Proceedings, 2020, , .  | 0.3 | 1         |
| 94  | Line shape and the experimental determination of the $J/\psi \rightarrow \eta' \pi^0$ branching fraction. Physical Review D, 2021, 104, .                            | 1.6 | 1         |
| 95  | The charged $Z_c$ and $Z_b$ structures in a constituent quark model approach. SciPost Physics Proceedings, 2020, , .   | 0.2 | 1         |
| 96  | $D_{s1}(2536)$ + decays and the structure of P-wave charmed strange mesons. Chinese Physics C, 2010, 34, 1408-1410.  | 1.5 | 0         |
| 97  | Charmonium states in the string breaking region. , 2010, , .   |     | 0         |
| 98  | The $D_{s1}$ and its $D^* \rightarrow K$ decays. , 2010, , .   |     | 0         |
| 99  | Charmonium properties in a renormalization scheme. , 2011, , .   |     | 0         |
| 100 | Semileptonic B decays into orbitally excited charmed mesons. , 2012, , .   |     | 0         |
| 101 | The nature of the orbitally excited charmed-strange mesons through nonleptonic $B \rightarrow D^{(*)} D_{s1}^{(*)}$ decays. EPJ Web of Conferences, 2012, 37, 05003. | 0.1 | 0         |
| 102 | Strong diquark correlations inside the proton. EPJ Web of Conferences, 2016, 113, 05025.   | 0.1 | 0         |
| 103 | Effective field theory investigations of the XYZ puzzle. Journal of Physics: Conference Series, 2016, 742, 012005.   | 0.3 | 0         |
| 104 | Flavour decomposition of electromagnetic transition form factors of nucleon resonances. EPJ Web of Conferences, 2017, 137, 05024.                                    | 0.1 | 0         |
| 105 | Threshold effects in hadron spectrum: a new spectroscopy?. EPJ Web of Conferences, 2018, 182, 02094.   | 0.1 | 0         |
| 106 | Valence-Quark Structure of $N^*$ Resonances from DSEs. Few-Body Systems, 2018, 59, 1.  | 0.7 | 0         |
| 107 | $Z_c$ States in a Chiral Quark Model. , 2019, , .  |     | 0         |
| 108 | Title is missing!. , 2017, , .   |     | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | From $J/\psi$ to LHCb pentaquarks. , 2017, , .  |     | 0         |
| 110 | The nature of the $X(3915)/X(3930)$ resonances from a coupled-channels approach. , 2018, , .  |     | 0         |
| 111 | Electric dipole transitions in potential nonrelativistic QCD. , 2018, , .   |     | 0         |
| 112 | Excited light baryons from quark-gluon-level calculations. , 2020, , .  |     | 0         |
| 113 | Description of the $Z_c$ Exotics States in a Quark Model Coupled Channel Calculation. Springer Proceedings in Physics, 2020, , 697-700. | 0.1 | 0         |
| 114 | Special Issue on Advances in Chiral Quark Models. Symmetry, 2021, 13, 2046.   | 1.1 | 0         |