

# Yaroslav Berdnikov

## List of Publications by Year in descending order

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Version: 2024-02-01

548  
papers

41,275  
citations

1704

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555  
all docs

555  
docs citations

555  
times ranked

8457  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC: Experimental evaluation by the PHENIX Collaboration. Nuclear Physics A, 2005, 757, 184-283.   | 1.5  | 2,520     |
| 2  | The ALICE experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08002-S08002.  | 1.2  | 811       |
| 3  | Suppression of Hadrons with Large Transverse Momentum in Central Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 88, 022301.   | 7.8  | 735       |
| 4  | Identified charged particle spectra and yields in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .  | 2.9  | 665       |
| 5  | Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2010, 105, 252302.  | 7.8  | 659       |
| 6  | Elliptic Flow of Identified Hadrons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2003, 91, 182301.   | 7.8  | 627       |
| 7  | Long-range angular correlations on the near and away side in $p\bar{p}$ Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 29-41.               | 4.1  | 561       |
| 8  | Suppressed $\Omega$ Production at Large Transverse Momentum in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2003, 91, 072301.   | 7.8  | 514       |
| 9  | Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 032301.   | 7.8  | 507       |
| 10 | Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, .  | 7.8  | 489       |
| 11 | Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2015, 115, 032301.  | 7.8  | 482       |
| 12 | Centrality dependence of $K^0_S$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 107, 032301.   | 2.9  | 465       |
| 13 | PHENIX detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 469-479.   | 1.6  | 443       |
| 14 | Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39. | 4.1  | 433       |
| 15 | $\Omega$ Production versus Centrality, Transverse Momentum, and Rapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 232301.  | 7.8  | 430       |
| 16 | Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.   | 16.7 | 399       |
| 17 | Enhanced Production of Direct Photons in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2010, 104, 132301.   | 7.8  | 319       |
| 18 | Scaling Properties of Azimuthal Anisotropy in Au+Au and Cu+Cu Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 162301.  | 7.8  | 307       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Centrality dependence of pion, kaon, proton and lambda production in $p\bar{A}A$ collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.                 | 4.1 | 307       |
| 20 | Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2006, 97, 052301.   | 7.8 | 301       |
| 21 | Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with ALICE. Physical Review C, 2013, 88, .  | 7.8 | 296       |
| 22 | Dense-Medium Modifications to Jet-Induced Hadron Pair Distributions in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 052301.   | 7.8 | 270       |
| 23 | Nuclear Modification of Electron Spectra and Implications for Heavy Quark Energy Loss in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 032301.   | 7.8 | 264       |
| 24 | Dihadron azimuthal correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2008, 78, .   | 2.9 | 256       |
| 25 | Detailed measurement of the $\pi^0$ continuum in $p\bar{A}A$ collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.                                   | 7.8 | 255       |
| 26 | High- $p_T$ charged hadron suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .  | 2.9 | 254       |
| 27 | Midrapidity Neutral-Pion Production in Proton-Proton Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2003, 91, 241803.   | 7.8 | 249       |
| 28 | Measurements of Higher Order Flow Harmonics in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2011, 107, 252301.  | 7.8 | 249       |
| 29 | Centrality Dependence of $\langle \epsilon + \frac{1}{2} \langle K + \frac{1}{2} \langle p, \text{ and } p_A$ Production from $\sqrt{s_{NN}}=130$ GeV Au + Au Collisions at RHIC. Physical Review Letters, 2002, 88, 242301.                 | 7.8 | 244       |
| 30 | Centrality Dependence of Charged Particle Multiplicity in Au-Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 86, 3500-3505.   | 7.8 | 238       |
| 31 | Long-range angular correlations of $\langle \epsilon, K \text{ and } p \rangle$ in $p\bar{A}A$ collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177. | 4.1 | 235       |
| 32 | High- $p_T$ charged hadron suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .  | 4.1 | 235       |
| 33 | Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 2.9 | 233       |
| 34 | Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 228       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Challenges in QCD matter physics –The scientific programme of the Compressed Baryonic Matter experiment at FAIR. European Physical Journal A, 2017, 53, 1.   | 2.5 | 222       |
| 38 | Centrality Dependence of Direct Photon Production in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions. Physical Review Letters, 2005, 94, 232301.  | 7.8 | 219       |
| 39 | Systematic studies of the centrality and $\sqrt{s_{NN}}$ dependence of the $\langle dN_{ch}/d\eta \rangle$ in heavy ion collisions at midrapidity. Physical Review C, 2005, 71, .                                  | 2.9 | 214       |
| 40 | Charged-particle multiplicity measurement in proton–proton collisions at $\sqrt{s}=7$ TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.   | 3.9 | 212       |
| 41 | Multi-strange baryon production at mid-rapidity in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227.             | 2.1 | 210       |
| 42 | Scaling Properties of Proton and Antiproton Production in $\sqrt{s_{NN}}=200$ GeV Au+Au Collisions. Physical Review Letters, 2003, 91, 172301.   | 7.8 | 209       |
| 43 | Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.   | 3.9 | 209       |
| 44 | Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2013, 110, 012301.  | 7.8 | 205       |
| 45 | Charmonium and $e^+e^-$ pair photoproduction at mid-rapidity in ultra-peripheral Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2013, 73, 2617.  | 3.9 | 203       |
| 46 | Measurement of inelastic, single- and double-diffraction cross sections in proton–proton collisions at the LHC with ALICE. European Physical Journal C, 2013, 73, 2456.  | 3.9 | 202       |
| 47 | Measurement of High- $p_T$ Single Electrons from Heavy-Flavor Decays in p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 97, 252002.   | 7.8 | 200       |
| 48 | Charged-particle multiplicity measurement in proton–proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.   | 3.9 | 199       |
| 49 | Heavy-quark production in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 109, 072301.  | 2.9 | 196       |
| 50 | Suppression of $\langle N \rangle$ at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 109, 072301.  | 7.8 | 194       |
| 51 | Production of charged pions, kaons and protons at large transverse momenta in pp and Pb–Pb collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2012, 109, 072301.                                      | 4.7 | 189       |
| 52 | Harmonic decomposition of two particle angular correlations in Pb–Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207. | 2.1 | 189       |
| 53 | Observation of Direct-Photon Collective Flow in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 109, 122302.  | 4.1 | 188       |
| 54 | Production of $\langle N \rangle$ in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 109, 122302.   | 7.8 | 184       |

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|----|--|-----|-----------|
| 55 | Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 100, 252302.   | 7.8 | 184       |
| 56 | Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.                 | 7.8 | 182       |
| 57 | Coherent $\rho$ Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.   | 7.8 | 180       |
| 58 | Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV: photoproduction in ultra-peripheral collisions. Physical Review Letters, 2011, 106, 022302.  | 4.1 | 171       |
| 59 | Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 104, 052302.  | 7.8 | 171       |
| 60 | Centrality, rapidity and transverse momentum dependence of $\rho$ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 022302.                      | 4.1 | 171       |
| 61 | Suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 022302.   | 2.9 | 170       |
| 62 | Flow Measurements via Two-Particle Azimuthal Correlations in Au+Au Collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review Letters, 2002, 89, 212301.   | 7.8 | 163       |
| 63 | Production of $\rho$ mesons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 022302.   | 4.7 | 163       |
| 64 | Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.                | 4.1 | 163       |
| 65 | $J/\psi$ Production versus Transverse Momentum and Rapidity in p+p Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2007, 98, 232002.   | 7.8 | 161       |
| 66 | Bose-Einstein Correlations of Charged Pion Pairs in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 93, 152302.  | 7.8 | 158       |
| 67 | Anisotropic flow of charged hadrons, pions and (anti)protons measured at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 022302. | 4.1 | 156       |
| 68 | Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 104, 052302.  | 4.1 | 155       |
| 69 | Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 104, 052302.            | 7.8 | 155       |
| 70 | Single identified hadron spectra from $\sqrt{s_{NN}} = 130$ GeV Au+Au collisions. Physical Review C, 2004, 69, 054907.   | 2.9 | 154       |
| 71 | Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 104, 052302.            | 4.1 | 154       |
| 72 | Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2013, 110, 610-622.             | 7.8 | 151       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Measurement of the multiplicity dependence of the average transverse momentum in Au+Au collisions at forward rapidity in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2005, 95, 202001.     | 2.9 | 149       |
| 74 | Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.  | 3.9 | 149       |
| 75 | Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.   | 7.8 | 148       |
| 76 | Measurement of Transverse Single-Spin Asymmetries for Midrapidity Production of Neutral Pions and Charged Hadrons in Polarized p+p Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2005, 95, 202001. | 7.8 | 144       |
| 77 | Measurement of Single Electrons and Implications for Charm Production in Au+Au Collisions at $\sqrt{s} = 130$ GeV. Physical Review Letters, 2002, 88, 192303.   | 7.8 | 143       |
| 78 | Strange particle production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.  | 3.9 | 140       |
| 79 | Measurements of Elliptic and Triangular Flow in High-Multiplicity p+Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132301.   | 7.8 | 140       |
| 80 | Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 139       |
| 81 | Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 117, 182301.  | 7.8 | 138       |
| 82 | Transverse-Mass Dependence of Two-Pion Correlations in Au+Au Collisions at $\sqrt{s} = 130$ GeV. Physical Review Letters, 2002, 88, 192302.   | 7.8 | 136       |
| 83 | Centrality dependence of particle production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2001, 87, 052301.  | 2.9 | 135       |
| 84 | Measurement of the Midrapidity Transverse Energy Distribution from Au+Au Collisions at RHIC. Physical Review Letters, 2001, 87, 052301.   | 7.8 | 134       |
| 85 | Measurement of the multiplicity dependence of the average transverse momentum in p+Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132301.  | 7.8 | 134       |
| 86 | Neutral pion and $\eta$ meson production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.                 | 4.1 | 133       |
| 87 | Multiplicity dependence of the average transverse momentum in p+Pb and Pb+Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.         | 4.1 | 130       |
| 88 | Multiparticle azimuthal correlations in p+Pb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .   | 2.9 | 130       |
| 89 | Production of light nuclei and anti-nuclei in p+Pb and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .   | 2.9 | 129       |
| 90 | Centrality Dependence of Charm Production from a Measurement of Single Electrons in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2005, 94, 082301.  | 7.8 | 126       |

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|-----|--|-----|-----------|
| 91  | Production of $\Sigma(1385)^{\pm}$ and $\Xi(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s}=7.6$ TeV. European Physical Journal C, 2015, 75, 1.  | 3.9 | 125       |
| 92  | First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV. European Physical Journal C, 2010, 65, 111-125. | 3.9 | 124       |
| 93  | Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 4.7 | 118       |
| 94  | Common Suppression Pattern of Mesons at High Transverse Momentum in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 202301.  | 7.8 | 117       |
| 95  | Rapidity and transverse momentum dependence of inclusive production in pp collisions at $\sqrt{s}=7.6$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.1 | 115       |
| 96  | Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 115       |
| 97  | Measurement of Particles in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 092302.  | 7.8 | 112       |
| 98  | Centrality dependence of low-momentum direct-photon production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2015, 91, .  | 2.9 | 112       |
| 99  | Production of $\Lambda(1520)$ and $\Lambda(1020)$ in pp collisions at $\sqrt{s}=7.6$ TeV. European Physical Journal C, 2012, 72, 1.  | 3.9 | 111       |
| 100 | Multi-strange baryon production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physical Review Letters, 2008, 101, 122301.  | 2.9 | 111       |
| 101 | Production of strange baryons, kaons, pions, and protons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 88, .  | 2.9 | 110       |
| 102 | Production of $\Lambda(1520)$ and $\Lambda(1020)$ in pp collisions at $\sqrt{s}=7.6$ TeV. European Physical Journal C, 2012, 72, 1.  | 7.8 | 109       |
| 103 | Mesons and (Anti)deuterons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 87, .  | 7.8 | 108       |
| 104 | Spectra and ratios of identified particles in Au+Au and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 88, .   | 2.9 | 106       |
| 105 | Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2008, 101, 122301.  | 2.9 | 105       |
| 106 | Cold Nuclear Matter Effects on Neutron Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 87, .   | 7.8 | 104       |
| 107 | Neutral pion production with respect to centrality and reaction plane in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 87, .   | 2.9 | 104       |
| 108 | Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. European Physical Journal C, 2013, 73, 2662.   | 3.9 | 101       |

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|-----|---|-----|-----------|
| 109 | Azimuthal anisotropy of meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.                                       | 2.9 | 101       |
| 110 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 4.1 | 100       |
| 111 | Photoproduction off Protons in Ultraperipheral Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.                                       | 7.8 | 100       |
| 112 | Polarization in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.   | 7.8 | 99        |
| 113 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 7.8 | 98        |
| 114 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 2.9 | 97        |
| 115 | Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.         | 7.8 | 97        |
| 116 | Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 97        |
| 117 | Production of Muons from Heavy Flavor Decays at Forward Rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.               | 7.8 | 96        |
| 118 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 7.8 | 96        |
| 119 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 2.9 | 95        |
| 120 | Meson Production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.   | 7.8 | 94        |
| 121 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 2.9 | 93        |
| 122 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 4.7 | 93        |
| 123 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 4.1 | 93        |
| 124 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 4.1 | 93        |
| 125 | Production of mesons at midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.  | 4.1 | 92        |
| 126 | Measurement of quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.                                 | 3.9 | 89        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Production of $K^0_S$ and $\phi$ (1020) in Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 245.  | 3.9 | 89        |
| 128 | Multiplicity dependence of light-flavor hadron production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, .  | 2.9 | 89        |
| 129 | Centrality dependence of the nuclear modification factor for charged pions, kaons and protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306. | 4.1 | 88        |
| 130 | Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 4.7 | 88        |
| 131 | Measurement of Direct Photons in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054901.  | 7.8 | 87        |
| 132 | Centrality dependence of the nuclear modification factor for charged pions, kaons and protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306. | 7.8 | 87        |
| 133 | Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054901.  | 2.9 | 87        |
| 134 | Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054901.  | 2.9 | 86        |
| 135 | Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054901.  | 2.9 | 86        |
| 136 | Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054901.  | 2.9 | 86        |
| 137 | Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054901.  | 2.9 | 85        |
| 138 | High transverse momentum $\phi$ -meson production in p+p, d+Au, and Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2007, 75, .  | 2.9 | 82        |
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