

Umberto D'Alesio

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

786
citations

623734

14
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794594

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22
all docs

22
docs citations

22
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-spin asymmetries: The Trento conventions. <i>Physical Review D</i> , 2004, 70, .	4.7	280
2	Parton intrinsic motion in inclusive particle production: unpolarized cross sections, single spin asymmetries, and the Sivers effect. <i>Physical Review D</i> , 2004, 70, .	4.7	115
3	Non-perturbative QCD effects in qT spectra of Drell-Yan and Z-boson production. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	54
4	Probing the gluon Sivers function in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \hat{\text{t}} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \tilde{\text{t}} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{\text{e}} \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle$. <i>Physical Review D</i> , 2019, 100, .	4.7	44
5	Prospects for quarkonium studies at the high-luminosity LHC. <i>Progress in Particle and Nuclear Physics</i> , 2022, 122, 103906.	14.4	41
6	Azimuthal asymmetries for hadron distributions inside a jet in hadronic collisions. <i>Physical Review D</i> , 2011, 83, .	4.7	38
7	Azimuthal asymmetries in semi-inclusive $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \tilde{\text{t}} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{jet} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle$ production at an EIC. <i>Physical Review D</i> , 2019, 100, .	4.7	34
8	Unraveling the gluon Sivers function in hadronic collisions at RHIC. <i>Physical Review D</i> , 2019, 99, .	4.7	32
9	First extraction of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{b} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ polarizing fragmentation function from Belle $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$ data. <i>Physical Review D</i> , 2020, 102, .	4.7	23
10	J/ψ meson production in SIDIS: matching high and low transverse momentum. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	23
11	Role of the Soffer bound in determination of transversity and the tensor charge. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135347.	4.1	19
12	Testing the universality of the Collins function in pion-jet production at RHIC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 300-306.	4.1	17
13	Process dependence of the gluon Sivers function in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \hat{\text{t}} \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \hat{\text{t}} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \tilde{\text{t}} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$	4.7	15
14	Single-spin asymmetries in $\text{p} \rightarrow \text{p} \rightarrow J/\psi + X$ within a TMD approach: role of the color octet mechanism. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	15
15	Collins and sivers effects in $\text{p} \rightarrow \text{p} \rightarrow \text{jet} + X$: Universality and process dependence. <i>Physics of Particles and Nuclei</i> , 2014, 45, 676-691.	0.7	12
16	General helicity formalism for two-hadron production in e^+e^- annihilation within a TMD approach. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	9
17	J/ψ polarization in semi-inclusive DIS at low and high transverse momentum. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	8
18	Transverse single-spin asymmetries in $\text{p} \rightarrow \text{p} \rightarrow \text{h} X$ within a TMD approach: Role of quasireal photon exchange. <i>Physical Review D</i> , 2017, 95, .	4.7	6

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19	Azimuthal asymmetries for hadron distributions inside a jet in hadronic collisions. Journal of Physics: Conference Series, 2011, 295, 012064.	0.4	1
20	Azimuthal asymmetries in $p\bar{p}$ jet X. EPJ Web of Conferences, 2015, 85, 02032.	0.3	0
21	Sivers asymmetry in inelastic J/ψ lepton production at the EIC. SciPost Physics Proceedings, 2022, , .	0.4	0
22	Λ Polarizing Fragmentation Function from Belle e^+e^- data. SciPost Physics Proceedings, 2022, , .	0.4	0