# Adrian Signer

List of Publications by Year
in descending order

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Version: 2024-02-01

| 63 | 3,092 | 186265 | 149698 |
|---|---|---|---|
| papers | citations | 28 h-index | 56 g-index |

| 63 | 63 | 63 | 2913 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Three-jet cross sections to next-to-leading order. Nuclear Physics B, 1996, 467, 399-442. | 2.5 | 599 |
| 2 | One-loop helicity amplitudes for all 2 â†' 2 processes in QCD and N = 1 supersymmetric Yang-Mills theory. Nuclear Physics B, 1994, 411, 397-442. | 2.5 | 171 |
| 3 | Two-Loop Corrections to the Leptonic Decays of Quarkonium. Physical Review Letters, 1998, 80, 2535-2538. | 7.8 | 165 |
| 4 | Helicity amplitudes for O(Î±s) production of W+Wâ¯, WÂ±Z, ZZ, WÂ±Î³, or ZÎ³ pairs at hadron colliders. Nuclear Physics B, 1998, 531, 3-23. | 2.5 | 139 |
| 5 | Vector boson pair production in hadronic collisions atO(Î±s):Lepton correlations and anomalous couplings. Physical Review D, 1999, 60, . | 4.7 | 130 |
| 6 | Singular terms of helicity amplitudes at one loop in QCD and the soft limit of the cross sections of multi-parton processes. Nuclear Physics B, 1994, 420, 550-564. | 2.5 | 109 |
| 7 | The bottom quark mass from sum rules at next-to-next-to-leading order. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 471, 233-243. | 4.1 | 106 |
| 8 | Top quark production near threshold and the top quark mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 454, 137-146. | 4.1 | 104 |
| 9 | To $${d}$$ d , or not to $${d}$$ d : recent developments and comparisons of regularization schemes. European Physical Journal C, 2017, 77, 471. | 3.9 | 88 |
| 10 | One-loop radiative corrections to the helicity amplitudes of QCD processes involving four quarks and one gluon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 336, 529-536. | 4.1 | 85 |
| 11 | Renormalisation-group improved analysis of Î¼ â†' e processes in a systematic effective-field-theory approach. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 84 |
| 12 | Effective Theory Approach to Unstable Particle Production. Physical Review Letters, 2004, 93, . | 7.8 | 77 |
| 13 | Heavy quark pair production near threshold with potential non-relativistic QCD. Nuclear Physics B, 2007, 762, 67-94. | 2.5 | 74 |
| 14 | Electron-Positron Annihilation into Four Jets at Next-to-Leading Order inÎ±s. Physical Review Letters, 1997, 78, 811-814. | 7.8 | 61 |
| 15 | Effective theory calculation of resonant high-energy scattering. Nuclear Physics B, 2004, 686, 205-247. | 2.5 | 61 |
| 16 | CompleteO(Î±s3)results fore+eâ¯â†'(Î³,Z)â†'four jets. Physical Review D, 1997, 56, 4031-4038. | 4.7 | 54 |
| 17 | Top-Antitop Pair Production Close to Threshold Synopsis of Recent NNLO Results. EPJ Direct, 2000, 2, 1-22. | 0.1 | 52 |
| 18 | The Î¼ â†' eÎ³ decay in a systematic effective field theory approach with dimension 6 operators. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 50 |

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|---|---|---|---|
| 19 | $Wgamma$ and $Zgamma$ production at hadron colliders. European Physical Journal C, 2000, 16, 105-114. | 3.9 | 48 |
| 20 | Correlating lepton flavor universality violation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math> decays with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î¼</mml:mi><mml:mo stretchy="false">â†'</mml:mo><mml:mi>e</mml:mi><mml:mi>Î³</mml:mi></mml:math> using leptoquarks. Physical Review D, 2018, 97, . | 4.7 | 48 |
| 21 | Next-to-leading order jet cross sections in polarized hadronic collisions. Nuclear Physics B, 1999, 539, 455-476. | 2.5 | 40 |
| 22 | Using dimensional reduction for hadronic collisions. Nuclear Physics B, 2009, 808, 88-120. | 2.5 | 40 |
| 23 | Associated production of a top pair and a Higgs boson beyond NLO. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 40 |
| 24 | May the four be with you: novel IR-subtraction methods to tackle NNLO calculations. European Physical Journal C, 2021, 81, 1. | 3.9 | 40 |
| 25 | Theory for muon-electron scattering @ 10Âppm. European Physical Journal C, 2020, 80, 1. | 3.9 | 38 |
| 26 | QED at NNLO with McMule. SciPost Physics, 2020, 9, . | 4.9 | 33 |
| 27 | Four-fermion production near the W pair-production threshold. Nuclear Physics B, 2008, 792, 89-135. | 2.5 | 31 |
| 28 | Factorization and regularization by dimensional reduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 626, 127-138. | 4.1 | 29 |
| 29 | Low- and high-energy phenomenology of a doubly charged scalar. Physical Review D, 2019, 99, . | 4.7 | 28 |
| 30 | Renormalization-group improved sum rule analysis for the bottom-quark mass. Physical Review D, 2006, 73, . | 4.7 | 27 |
| 31 | SCET approach to regularization-scheme dependence of QCD amplitudes. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 26 |
| 32 | Anomalous triple and quartic gauge boson couplings. Journal of Physics G: Nuclear and Particle Physics, 2000, 26, 607-615. | 3.6 | 25 |
| 33 | Production-decay interferences at next-to-leading order in QCD for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>t</mml:mi></mml:math>-channel single-top-quark production. Physical Review D, 2010, 82, . | 4.7 | 24 |
| 34 | Small-mass effects in heavy-to-light form factors. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 24 |
| 35 | Renormalization-group improved fully differential cross sections for top pair production. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 23 |
| 36 | New determination of inclusive electromagnetic decay ratios of heavy quarkonium from QCD. Nuclear Physics B, 2010, 841, 231-256. | 2.5 | 22 |

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| 37 | Off-shell effects for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>t</mml:mi></mml:math>-channel and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi></mml:math>-channel single-top production at next-to-leading order in QCD. Physical Review D, 2011, 83, . | 4.7 | 20 |
| 38 | Non-factorizable corrections and effective field theories. Nuclear Physics B, 2002, 621, 257-302. | 2.5 | 19 |
| 39 | The charm quark mass from non-relativistic sum rules. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 333-338. | 4.1 | 18 |
| 40 | Fully differential NLO predictions for the rare muon decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 280-284. | 4.1 | 18 |
| 41 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î³</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math> in the four-dimensional helicity scheme. Physical Review D, 2018, 97, . | 4.7 | 18 |
| 42 | A subtraction scheme for massive QED. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 18 |
| 43 | One-loop corrections to five-parton amplitudes with external photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 204-210. | 4.1 | 17 |
| 44 | The infrared structure of QCD amplitudes and Hâ†’gg in FDH and DRED. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 296-304. | 4.1 | 17 |
| 45 | Computation of $$Hightarrow gg$$ H â†’ g g in fdh and dred: renormalization, operator mixing, and explicit two-loop results. European Physical Journal C, 2015, 75, 1. | 3.9 | 15 |
| 46 | Finite-width effects in unstable-particle production at hadron colliders. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 14 |
| 47 | Bhabha scattering at NNLO with next-to-soft stabilisation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136547. | 4.1 | 14 |
| 48 | ABC of SUSY. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 073002. | 3.6 | 13 |
| 49 | Gluon induced contributions toZÎ³production at hadron colliders. Physical Review D, 2003, 67, . | 4.7 | 12 |
| 50 | Infrared-finite amplitudes for massless gauge theories. Nuclear Physics B, 2004, 684, 125-161. | 2.5 | 12 |
| 51 | Gluon induced contributions toWZandWÎ³production at NNLO. Physical Review D, 2002, 65, . | 4.7 | 11 |
| 52 | Regularization-scheme dependence of QCD amplitudes in the massive case. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 10 |
| 53 | Fully differential NLO predictions for the radiative decay of muons and taus. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 452-458. | 4.1 | 10 |
| 54 | Universal structure of radiative QED amplitudes at one loop. Journal of High Energy Physics, 2022, 2022, . | 4.7 | 10 |

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|---|---|---|---|
| 55 | Lepton-flavour violating decays in theories with dimension 6 operators. EPJ Web of Conferences, 2016, 118, 01031. | 0.3 | 8 |
| 56 | MÃ¸ller scattering at NNLO. Physical Review D, 2022, 105, . | 4.7 | 7 |
| 57 | MENLO_PARC, a program for e+eâ^' â†' 4 jets at next-to-leading order. Computer Physics Communications, 1997, 106, 125-138. | 7.5 | 4 |
| 58 | Towards pair production near threshold with unstable particle effective theory. Nuclear Physics, Section B, Proceedings Supplements, 2006, 152, 162-167. | 0.4 | 4 |
| 59 | Combined fixed-order and effective-theory approach to <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="ht. Physics Letters, Section | 4.1 | 3 |
| 60 | Dimensional schemes for cross sections at NNLO. European Physical Journal C, 2020, 80, 1. | 3.9 | 3 |
| 61 | A theory vade mecum for PSI experiments. SciPost Physics Proceedings, 2021, , . | 0.4 | 2 |
| 62 | Charged lepton flavour violating processes. , 2019, , . | | 0 |
| 63 | Collinear limits of one-loop helicity amplitudes in QCD. Acta Physica Hungarica A Heavy Ion Physics, 1995, 1, 43-51. | 0.4 | 0 |