# Fabian Schmidt

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 111 papers | 6,118 citations | 50276 46 h-index | 74163 75 g-index |
| 113 all docs | 113 docs citations | 113 times ranked | 2593 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Large-scale galaxy bias. Physics Reports, 2018, 733, 1-193. | 25.6 | 477 |
| 2 | Dark Energy Versus Modified Gravity. Annual Review of Nuclear and Particle Science, 2016, 66, 95-122. | 10.2 | 291 |
| 3 | Large-scale clustering of galaxies in general relativity. Physical Review D, 2012, 85, . | 4.7 | 225 |
| 4 | Nonlinear evolution of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 612 Td (stretchy="false">)</mml:m | 4.7 | 210 |
| 5 | Cluster constraints on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 572 Td (stretchy="false" | 4.7 | 191 |
| 6 | Lensing is low: cosmology, galaxy formation or new physics?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3024-3047. | 4.4 | 150 |
| 7 | Precision measurement of the local bias of dark matter halos. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 018-018. | 5.4 | 138 |
| 8 | The Observed squeezed limit of cosmological three-point functions. Physical Review D, 2013, 88, . | 4.7 | 135 |
| 9 | Biased tracers and time evolution. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 030-030. | 5.4 | 128 |
| 10 | Dynamical masses in modified gravity. Physical Review D, 2010, 81, . | 4.7 | 118 |
| 11 | Self-consistent cosmological simulations of DGP braneworld gravity. Physical Review D, 2009, 80, . | 4.7 | 116 |
| 12 | Weak lensing probes of modified gravity. Physical Review D, 2008, 78, . | 4.7 | 114 |
| 13 | New constraints on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 257 Td (stretchy="false" | 4.7 | 106 |
| 14 | Modified gravityN-body code comparison project. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4208-4234. | 4.4 | 104 |
| 15 | Growth of cosmic structure: Probing dark energy beyond expansion. Astroparticle Physics, 2015, 63, 23-41. | 4.3 | 103 |
| 16 | Cluster density profiles as a test of modified gravity. Physical Review D, 2012, 85, . | 4.7 | 100 |
| 17 | Position-dependent power spectrum of the large-scale structure: a novel method to measure the squeezed-limit bispectrum. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 048-048. | 5.4 | 94 |
| 18 | Cosmic rulers. Physical Review D, 2012, 86, . | 4.7 | 90 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Separate universe simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 448, L11-L15. | 3.3 | 89 |
| 20 | Cosmological simulations of normal-branch braneworld gravity. Physical Review D, 2009, 80, . | 4.7 | 86 |
| 21 | Cluster abundance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 652 Td (stretchy="false" | 4.7 | 85 |
| 22 | Halo clustering with nonlocal non-Gaussianity. Physical Review D, 2010, 82, . | 4.7 | 84 |
| 23 | Spherical collapse and the halo model in braneworld gravity. Physical Review D, 2010, 81, . | 4.7 | 80 |
| 24 | Imprint of inflation on galaxy shape correlations. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 032-032. | 5.4 | 79 |
| 25 | Peak-background split, renormalization, and galaxy clustering. Physical Review D, 2013, 88, . | 4.7 | 75 |
| 26 | Non-Gaussian Halo Bias Re-examined: Mass-dependent Amplitude from the Peak-Background Split and Thresholding. Physical Review D, 2011, 84, . | 4.7 | 74 |
| 27 | Galaxy bias and primordial non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 043-043. | 5.4 | 74 |
| 28 | Large-scale structure with gravitational waves. II. Shear. Physical Review D, 2012, 86, . | 4.7 | 73 |
| 29 | The galaxy power spectrum and bispectrum in redshift space. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 035-035. | 5.4 | 71 |
| 30 | On separate universes. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 059-059. | 5.4 | 70 |
| 31 | A DETECTION OF WEAK-LENSING MAGNIFICATION USING GALAXY SIZES AND MAGNITUDES. Astrophysical Journal Letters, 2012, 744, L22. | 8.3 | 64 |
| 32 | Testing Gravity with the Stacked Phase Space around Galaxy Clusters. Physical Review Letters, 2012, 109, 051301. | 7.8 | 62 |
| 33 | Large-scale structure and gravitational waves. III. Tidal effects. Physical Review D, 2014, 89, . | 4.7 | 56 |
| 34 | Accurate predictions for the scale-dependent galaxy bias from primordial non-Gaussianity. Physical Review D, 2011, 84, . | 4.7 | 54 |
| 35 | Effect of relative velocity and density perturbations between baryons and dark matter on the clustering of galaxies. Physical Review D, 2016, 94, . | 4.7 | 54 |
| 36 | LENSING BIAS IN COSMIC SHEAR. Astrophysical Journal, 2009, 702, 593-602. | 4.5 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Complete super-sample lensing covariance in the response approach. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 015-015. | 5.4 | 53 |
| 38 | An EFT description of galaxy intrinsic alignments. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 025-025. | 5.4 | 53 |
| 39 | The angle-averaged squeezed limit of nonlinear matterN-point functions. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 042-042. | 5.4 | 52 |
| 40 | Lensing of 21-cm Fluctuations by Primordial Gravitational Waves. Physical Review Letters, 2012, 108, 211301. | 7.8 | 50 |
| 41 | Towards a self-consistent halo model for the nonlinear large-scale structure. Physical Review D, 2016, 93, . | 4.7 | 50 |
| 42 | Cosmic Microwave Background Power Asymmetry from Non-Gaussian Modulation. Physical Review Letters, 2013, 110, 011301. | 7.8 | 49 |
| 43 | Validating estimates of the growth rate of structure with modified gravity simulations. Physical Review D, 2016, 94, . | 4.7 | 49 |
| 44 | Beyond LIMD bias: a measurement of the complete set of third-order halo bias parameters. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 008-008. | 5.4 | 49 |
| 45 | Accurate cosmic shear errors: do we need ensembles of simulations?. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 053-053. | 5.4 | 48 |
| 46 | A rigorous EFT-based forward model for large-scale structure. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 042-042. | 5.4 | 47 |
| 47 | Novel Probes Project: Tests of gravity on astrophysical scales. Reviews of Modern Physics, 2021, 93, . | 45.6 | 47 |
| 48 | Conformal Fermi Coordinates. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 043-043. | 5.4 | 46 |
| 49 | Verifying the consistency relation for the scale-dependent bias from local primordial non-Gaussianity. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3277-3288. | 4.4 | 46 |
| 50 | Equivalence principle violation in Vainshtein screened two-body systems. Physical Review D, 2013, 87, . | 4.7 | 45 |
| 51 | Large-scale assembly bias of dark matter halos. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 059-059. | 5.4 | 45 |
| 52 | Size Bias in Galaxy Surveys. Physical Review Letters, 2009, 103, 051301. | 7.8 | 42 |
| 53 | Solar system constraints on disformal gravity theories. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 051-051. | 5.4 | 42 |
| 54 | Multitracing anisotropic non-Gaussianity with galaxy shapes. Physical Review D, 2016, 94, . | 4.7 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Testing gravity using large-scale redshift-space distortions. Monthly Notices of the Royal Astronomical Society, 2013, 436, 89-100. | 4.4 | 41 |
| 56 | Responses in large-scale structure. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 053-053. | 5.4 | 41 |
| 57 | The bispectrum off(R) cosmologies. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 019-019. | 5.4 | 40 |
| 58 | Separate Universe simulations with IllustrisTNG: baryonic effects on power spectrum responses and higher-order statistics. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2079-2092. | 4.4 | 39 |
| 59 | Large-scale structure with gravitational waves. I. Galaxy clustering. Physical Review D, 2012, 86, . | 4.7 | 36 |
| 60 | Galaxy-CMB cross-correlation as a probe of alternative models of gravity. Physical Review D, 2007, 76, . | 4.7 | 34 |
| 61 | Can weak lensing surveys confirm BICEP2?. Physical Review D, 2014, 90, . | 4.7 | 34 |
| 62 | Response approach to the matter power spectrum covariance. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 051-051. | 5.4 | 33 |
| 63 | PROSPECTS FOR MEASURING THE RELATIVE VELOCITIES OF GALAXY CLUSTERS IN PHOTOMETRIC SURVEYS USING THE KINETIC SUNYAEV-ZEL'DOVICH EFFECT. Astrophysical Journal Letters, 2013, 765, L32. | 8.3 | 32 |
| 64 | Galaxy bias and primordial non-Gaussianity: insights from galaxy formation simulations with IllustrisTNG. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 013-013. | 5.4 | 32 |
| 65 | Galaxy bias from forward models: linear and second-order bias of IllustrisTNG galaxies. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 029. | 5.4 | 31 |
| 66 | Projected constraints on modified gravity cosmologies from 21Âcm intensity mapping. Physical Review D, 2010, 81, . | 4.7 | 30 |
| 67 | Large-scale structure observables in general relativity. Classical and Quantum Gravity, 2015, 32, 044001. | 4.0 | 29 |
| 68 | Position-dependent correlation function from the SDSS-III Baryon Oscillation Spectroscopic Survey Data Release 10 CMASS sample. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 028-028. | 5.4 | 27 |
| 69 | A robust measurement of the first higher-derivative bias of dark matter halos. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 041-041. | 5.4 | 27 |
| 70 | Cosmological N-body simulations with a large-scale tidal field. Monthly Notices of the Royal Astronomical Society, 2018, 479, 162-170. | 4.4 | 26 |
| 71 | Publisherâ€™s Note: Cosmic Microwave Background Power Asymmetry from Non-Gaussian Modulation [Phys. Rev. Lett.110, 011301 (2013)]. Physical Review Letters, 2013, 110, . | 7.8 | 25 |
| 72 | No evidence for bulk velocity from type Ia supernovae. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 033-033. | 5.4 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Modeling the phase-space distribution around massive halos. Physical Review D, 2013, 88, . | 4.7 | 24 |
| 74 | Galaxy imaging surveys as spin-sensitive detector for cosmological colliders. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 060. | 5.4 | 23 |
| 75 | Baryon-CDM isocurvature galaxy bias with IllustrisTNG. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 005-005. | 5.4 | 22 |
| 76 | The EFT likelihood for large-scale structure. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 042-042. | 5.4 | 22 |
| 77 | Unbiased cosmology inference from biased tracers using the EFT likelihood. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 008-008. | 5.4 | 22 |
| 78 | STACKED WEAK LENSING MASS CALIBRATION: ESTIMATORS, SYSTEMATICS, AND IMPACT ON COSMOLOGICAL PARAMETER CONSTRAINTS. Astrophysical Journal, 2011, 735, 118. | 4.5 | 21 |
| 79 | Cosmology inference from a biased density field using the EFT-based likelihood. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 029-029. | 5.4 | 21 |
| 80 | Cosmic clocks. Physical Review D, 2014, 89, . | 4.7 | 20 |
| 81 | An n-th order Lagrangian forward model for large-scale structure. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 033. | 5.4 | 19 |
| 82 | WEAK-LENSING PEAK FINDING: ESTIMATORS, FILTERS, AND BIASES. Astrophysical Journal, 2011, 735, 119. | 4.5 | 18 |
| 83 | Constraints on modified gravity from Sunyaev-Zeldovich cluster surveys. Physical Review D, 2012, 85, . | 4.7 | 17 |
| 84 | Large-scale tides in general relativity. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 025-025. | 5.4 | 17 |
| 85 | Taking measurements of the kinematic Sunyaev-Zel'dovich effect forward: including uncertainties from velocity reconstruction with forward modeling. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 011-011. | 5.4 | 17 |
| 86 | Response approach to the squeezed-limit bispectrum: application to the correlation of quasar and Lyman-Î± forest power spectrum. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 022-022. | 5.4 | 16 |
| 87 | Measuring the tidal response of structure formation: anisotropic separate universe simulations using <scp>treepm</scp>. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1473-1489. | 4.4 | 16 |
| 88 | Assembly bias in quadratic bias parameters of dark matter halos from forward modeling. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 063. | 5.4 | 16 |
| 89 | The likelihood for LSS: stochasticity of bias coefficients at all orders. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 051-051. | 5.4 | 15 |
| 90 | Weak lensing effects on the galaxy three-point correlation function. Physical Review D, 2008, 78, . | 4.7 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | General relativistic effects in the galaxy bias at second order. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 020-020. | 5.4 | 14 |
| 92 | Large-scale velocities and primordial non-Gaussianity. Physical Review D, 2010, 82, . | 4.7 | 13 |
| 93 | A new scale in the bias expansion. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 031-031. | 5.4 | 13 |
| 94 | Sigma-eight at the percent level: the EFT likelihood in real space. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 032. | 5.4 | 13 |
| 95 | Oscillating bispectra and galaxy clustering: A novel probe of inflationary physics with large-scale structure. Physical Review D, 2011, 84, . | 4.7 | 12 |
| 96 | Imprints of reionization in galaxy clustering. Physical Review D, 2017, 96, . | 4.7 | 12 |
| 97 | Universal weak lensing distortion of cosmological correlation functions. Physical Review D, 2008, 78, . | 4.7 | 11 |
| 98 | Impacts of the physical data model on the forward inference of initial conditions from biased tracers. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 058. | 5.4 | 11 |
| 99 | Compensated isocurvature perturbations in the galaxy power spectrum. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 049-049. | 5.4 | 11 |
| 100 | Primordial non-Gaussianity and the statistics of weak lensing and other projected density fields. Physical Review D, 2011, 83, . | 4.7 | 10 |
| 101 | Neutrino mass constraints beyond linear order: cosmology dependence and systematic biases. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 022. | 5.4 | 10 |
| 102 | Galaxy shape statistics in the effective field theory. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 061. | 5.4 | 9 |
| 103 | Non-Gaussian halo bias beyond the squeezed limit. Physical Review D, 2013, 87, . | 4.7 | 7 |
| 104 | Tidal shear and the consistency of microscopic Lagrangian halo approaches. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017. | 5.4 | 5 |
| 105 | Parity-odd galaxy bispectrum. Physical Review D, 2020, 102, . | 4.7 | 5 |
| 106 | Covariant decomposition of the non-linear galaxy number counts and their monopole. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 031. | 5.4 | 5 |
| 107 | Stellar streams and dark substructure: the diffusion regime. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3682-3708. | 4.4 | 4 |
| 108 | Cosmological probes of modified gravity: the nonlinear regime. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 5068-5080. | 3.4 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Modified Gravity. , 2013, , . | | 0 |
| 110 | DUST CONTENT, GALAXY ORIENTATIONS, AND SHAPE NOISE IN IMAGING SURVEYS. Astrophysical Journal, 2015, 805, 108. | 4.5 | 0 |
| 111 | Growth of structure: beyond linear theory. , 2021, , 325-372. | | 0 |