

Fabian Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

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	Stellar streams and dark substructure: the diffusion regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3682-3708.	4.4	4
2	Growth of structure: beyond linear theory. , 2021, , 325-372.		0
3	Novel Probes Project: Tests of gravity on astrophysical scales. <i>Reviews of Modern Physics</i> , 2021, 93, .	45.6	47
4	Measuring the tidal response of structure formation: anisotropic separate universe simulations using $\langle \text{scp} \rangle_{\text{treepm}}$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1473-1489.	4.4	16
5	Impacts of the physical data model on the forward inference of initial conditions from biased tracers. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 058.	5.4	11
6	Galaxy imaging surveys as spin-sensitive detector for cosmological colliders. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 060.	5.4	23
7	Neutrino mass constraints beyond linear order: cosmology dependence and systematic biases. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 022.	5.4	10
8	Sigma-eight at the percent level: the EFT likelihood in real space. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 032.	5.4	13
9	An n-th order Lagrangian forward model for large-scale structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 033.	5.4	19
10	Galaxy shape statistics in the effective field theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 061.	5.4	9
11	Galaxy bias from forward models: linear and second-order bias of IllustrisTNG galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 029.	5.4	31
12	Assembly bias in quadratic bias parameters of dark matter halos from forward modeling. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 063.	5.4	16
13	Covariant decomposition of the non-linear galaxy number counts and their monopole. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 031.	5.4	5
14	Parity-odd galaxy bispectrum. <i>Physical Review D</i> , 2020, 102, .	4.7	5
15	An EFT description of galaxy intrinsic alignments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 025-025.	5.4	53
16	Cosmology inference from a biased density field using the EFT-based likelihood. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 029-029.	5.4	21
17	Baryon-CDM isocurvature galaxy bias with IllustrisTNG. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 005-005.	5.4	22
18	The EFT likelihood for large-scale structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 042-042.	5.4	22

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19	Compensated isocurvature perturbations in the galaxy power spectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 049-049.	5.4	11
20	The likelihood for LSS: stochasticity of bias coefficients at all orders. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 051-051.	5.4	15
21	Unbiased cosmology inference from biased tracers using the EFT likelihood. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 008-008.	5.4	22
22	Taking measurements of the kinematic Sunyaev-Zel'dovich effect forward: including uncertainties from velocity reconstruction with forward modeling. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 011-011.	5.4	17
23	Galaxy bias and primordial non-Gaussianity: insights from galaxy formation simulations with IllustrisTNG. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 013-013.	5.4	32
24	Separate Universe simulations with IllustrisTNG: baryonic effects on power spectrum responses and higher-order statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2079-2092.	4.4	39
25	A new scale in the bias expansion. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 031-031.	5.4	13
26	General relativistic effects in the galaxy bias at second order. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 020-020.	5.4	14
27	A rigorous EFT-based forward model for large-scale structure. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 042-042.	5.4	47
28	A robust measurement of the first higher-derivative bias of dark matter halos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 041-041.	5.4	27
29	Large-scale galaxy bias. <i>Physics Reports</i> , 2018, 733, 1-193.	25.6	477
30	Tidal shear and the consistency of microscopic Lagrangian halo approaches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 017-017.	5.4	5
31	The galaxy power spectrum and bispectrum in redshift space. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 035-035.	5.4	71
32	Complete super-sample lensing covariance in the response approach. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 015-015.	5.4	53
33	Accurate cosmic shear errors: do we need ensembles of simulations?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 053-053.	5.4	48
34	Beyond LIMD bias: a measurement of the complete set of third-order halo bias parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 008-008.	5.4	49
35	Cosmological N-body simulations with a large-scale tidal field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 162-170.	4.4	26
36	Large-scale tides in general relativity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 025-025.	5.4	17

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37	Lensing is low: cosmology, galaxy formation or new physics?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3024-3047.	4.4	150
38	Imprints of reionization in galaxy clustering. Physical Review D, 2017, 96, .	4.7	12
39	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
40	Response approach to the matter power spectrum covariance. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 051-051.	5.4	33
41	Responses in large-scale structure. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 053-053.	5.4	41
42	Response approach to the squeezed-limit bispectrum: application to the correlation of quasar and Lyman- α forest power spectrum. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 022-022.	5.4	16
43	Large-scale assembly bias of dark matter halos. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 059-059.	5.4	45
44	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
45	Towards a self-consistent halo model for the nonlinear large-scale structure. Physical Review D, 2016, 93, .	4.7	50
46	Validating estimates of the growth rate of structure with modified gravity simulations. Physical Review D, 2016, 94, .	4.7	49
47	Multitracing anisotropic non-Gaussianity with galaxy shapes. Physical Review D, 2016, 94, .	4.7	42
48	Dark Energy Versus Modified Gravity. Annual Review of Nuclear and Particle Science, 2016, 66, 95-122.	10.2	291
49	Precision measurement of the local bias of dark matter halos. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 018-018.	5.4	138
50	New constraints on $f\sigma_8$. Monthly Notices of the Royal Astronomical Society, 2016, 467, 3024-3047.	4.4	150
51	No evidence for bulk velocity from type Ia supernovae. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 033-033.	5.4	25
52	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
53	Imprint of inflation on galaxy shape correlations. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 032-032.	5.4	79
54	Separate universe simulations. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 448, L11-L15.	3.3	89

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55	Galaxy bias and primordial non-Gaussianity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 043-043.	5.4	74
56	Large-scale structure observables in general relativity. <i>Classical and Quantum Gravity</i> , 2015, 32, 044001.	4.0	29
57	Biased tracers and time evolution. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 030-030.	5.4	128
58	Solar system constraints on disformal gravity theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 051-051.	5.4	42
59	On separate universes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 059-059.	5.4	70
60	Modified gravity N -body code comparison project. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4208-4234.	4.4	104
61	DUST CONTENT, GALAXY ORIENTATIONS, AND SHAPE NOISE IN IMAGING SURVEYS. <i>Astrophysical Journal</i> , 2015, 805, 108.	4.5	0
62	The angle-averaged squeezed limit of nonlinear matter N -point functions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 042-042.	5.4	52
63	Conformal Fermi Coordinates. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 043-043.	5.4	46
64	Growth of cosmic structure: Probing dark energy beyond expansion. <i>Astroparticle Physics</i> , 2015, 63, 23-41.	4.3	103
65	Cosmic clocks. <i>Physical Review D</i> , 2014, 89, .	4.7	20
66	Large-scale structure and gravitational waves. III. Tidal effects. <i>Physical Review D</i> , 2014, 89, .	4.7	56
67	Can weak lensing surveys confirm BICEP2?. <i>Physical Review D</i> , 2014, 90, .	4.7	34
68	Position-dependent power spectrum of the large-scale structure: a novel method to measure the squeezed-limit bispectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 048-048.	5.4	94
69	PROSPECTS FOR MEASURING THE RELATIVE VELOCITIES OF GALAXY CLUSTERS IN PHOTOMETRIC SURVEYS USING THE KINETIC SUNYAEV-ZEL'DOVICH EFFECT. <i>Astrophysical Journal Letters</i> , 2013, 765, L32.	8.3	32
70	The Observed squeezed limit of cosmological three-point functions. <i>Physical Review D</i> , 2013, 88, .	4.7	135
71	Non-Gaussian halo bias beyond the squeezed limit. <i>Physical Review D</i> , 2013, 87, .	4.7	7
72	Cosmic Microwave Background Power Asymmetry from Non-Gaussian Modulation. <i>Physical Review Letters</i> , 2013, 110, 011301.	7.8	49

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73	Publisher'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
74	Modeling the phase-space distribution around massive halos. Physical Review D, 2013, 88, .	4.7	24
75	Peak-background split, renormalization, and galaxy clustering. Physical Review D, 2013, 88, .	4.7	75
76	Equivalence principle violation in Vainshtein screened two-body systems. Physical Review D, 2013, 87, .	4.7	45
77	Testing gravity using large-scale redshift-space distortions. Monthly Notices of the Royal Astronomical Society, 2013, 436, 89-100.	4.4	41
78	Modified Gravity. , 2013, , .		0
79	Large-scale structure with gravitational waves. I. Galaxy clustering. Physical Review D, 2012, 86, .	4.7	36
80	Large-scale structure with gravitational waves. II. Shear. Physical Review D, 2012, 86, .	4.7	73
81	Large-scale clustering of galaxies in general relativity. Physical Review D, 2012, 85, .	4.7	225
82	Cluster density profiles as a test of modified gravity. Physical Review D, 2012, 85, .	4.7	100
83	Testing Gravity with the Stacked Phase Space around Galaxy Clusters. Physical Review Letters, 2012, 109, 051301.	7.8	62
84	Lensing of 21-cm Fluctuations by Primordial Gravitational Waves. Physical Review Letters, 2012, 108, 211301.	7.8	50
85	Cosmic rulers. Physical Review D, 2012, 86, .	4.7	90
86	A DETECTION OF WEAK-LENSING MAGNIFICATION USING GALAXY SIZES AND MAGNITUDES. Astrophysical Journal Letters, 2012, 744, L22.	8.3	64
87	Constraints on modified gravity from Sunyaev-Zeldovich cluster surveys. Physical Review D, 2012, 85, .	4.7	17
88	Oscillating bispectra and galaxy clustering: A novel probe of inflationary physics with large-scale structure. Physical Review D, 2011, 84, .	4.7	12
89	Cluster abundance in $f(R)$ gravity. Physical Review D, 2011, 83, 043511.	4.7	85
90	WEAK-LENSING PEAK FINDING: ESTIMATORS, FILTERS, AND BIASES. Astrophysical Journal, 2011, 735, 119.	4.5	18

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91	Cosmological probes of modified gravity: the nonlinear regime. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 5068-5080.	3.4	2
92	STACKED WEAK LENSING MASS CALIBRATION: ESTIMATORS, SYSTEMATICS, AND IMPACT ON COSMOLOGICAL PARAMETER CONSTRAINTS. Astrophysical Journal, 2011, 735, 118.	4.5	21
93	The bispectrum of $f\sigma_8$ cosmologies. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 019-019.	5.4	40
94	Primordial non-Gaussianity and the statistics of weak lensing and other projected density fields. Physical Review D, 2011, 83, .	4.7	10
95	Non-Gaussian Halo Bias Re-examined: Mass-dependent Amplitude from the Peak-Background Split and Thresholding. Physical Review D, 2011, 84, .	4.7	74
96	Accurate predictions for the scale-dependent galaxy bias from primordial non-Gaussianity. Physical Review D, 2011, 84, .	4.7	54
97	Spherical collapse and the halo model in braneworld gravity. Physical Review D, 2010, 81, .	4.7	80
98	Halo clustering with nonlocal non-Gaussianity. Physical Review D, 2010, 82, .	4.7	84
99	Large-scale velocities and primordial non-Gaussianity. Physical Review D, 2010, 82, .	4.7	13
100	Projected constraints on modified gravity cosmologies from 21 \hat{A} cm intensity mapping. Physical Review D, 2010, 81, .	4.7	30
101	Dynamical masses in modified gravity. Physical Review D, 2010, 81, .	4.7	118
102	LENSING BIAS IN COSMIC SHEAR. Astrophysical Journal, 2009, 702, 593-602.	4.5	53
103	Size Bias in Galaxy Surveys. Physical Review Letters, 2009, 103, 051301.	7.8	42
104	Self-consistent cosmological simulations of DGP braneworld gravity. Physical Review D, 2009, 80, .	4.7	116
105	Nonlinear evolution of $f\sigma_8$. Physical Review D, 2009, 80, .	4.7	210
106	Cluster constraints on $f\sigma_8$. Physical Review D, 2009, 80, .	4.7	191
107	Cosmological simulations of normal-branch braneworld gravity. Physical Review D, 2009, 80, .	4.7	86
108	Weak lensing probes of modified gravity. Physical Review D, 2008, 78, .	4.7	114

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109	Weak lensing effects on the galaxy three-point correlation function. Physical Review D, 2008, 78, .	4.7	14
110	Universal weak lensing distortion of cosmological correlation functions. Physical Review D, 2008, 78, .	4.7	11
111	Galaxy-CMB cross-correlation as a probe of alternative models of gravity. Physical Review D, 2007, 76, .	4.7	34