

Full Publication List

Letters at the end of each entry refer to the following categories: A is a leading role, B is an essential collaborator, and C is a peripheral collaborator. Numbers refer to the stage of career: 0 is Director at MPA, 1 is Professor at UT Austin, 2 is Associate Professor at UT Austin, 3 is Assistant Professor at UT Austin, 4 is Postdoctoral Fellow at Princeton Univ., and 5 is Graduate Student at Tohoku and Princeton Univ.

As of November 6, 2023: 188 papers have been published in refereed journals and 36 papers have appeared in other forms. The number of citations according to Astrophysics Data System (ADS; the standard and most reliable database for astrophysics research) is 69,762 and the H-index is 77. That according to INSPIRE (the standard and most reliable database for high-energy physics research) is 71,043 and the H-index is 79. That according to Google Scholar is 91,575 and the H-index is 88.

Refereed Journal Articles (188 articles)

1. **E. Komatsu** & T. Futamase, “*Constraints on the Chaotic Inflationary Scenario with a Nonminimally Coupled “Inflaton” Field from the Cosmic Microwave Background Radiation Anisotropy,*” *Physical Review D* 58, 023004 1-8 (1998) [A.5]
2. **E. Komatsu** & T. Futamase, “*Complete Constraints on a Nonminimally Coupled Chaotic Inflationary Scenario from the Cosmic Microwave Background,*” *Physical Review D* 59, 064029 1-7 (1999) [A.5]
3. **E. Komatsu**, T. Kitayama, Y. Suto, M. Hattori, R. Kawabe, H. Matsuo, S. Schindler & K. Yoshikawa, “*Submillimeter Detection of the Sunyaev-Zel'dovich Effect toward the Most Luminous X-ray Cluster at $z=0.45$,*” *Astrophysical Journal Letters*, 516, L1-L4 (1999) [A.5]
4. **E. Komatsu** & T. Kitayama, “*Sunyaev-Zel'dovich Fluctuations from Spatial Correlations Between Clusters of Galaxies,*” *Astrophysical Journal Letters*, 526, L1-L4 (1999) [A.5]
5. M. Takada, **E. Komatsu** & T. Futamase, “*Gravitational Lensing Effect on the Two-point Correlation of Hotspots in the Cosmic Microwave Background,*” *Astrophysical Journal Letters*, 533, L83-L87 (2000) [B.5]
6. A. Refregier, **E. Komatsu**, D. N. Spergel, & U.-L. Pen, “*Power Spectrum of the Sunyaev-Zel'dovich Effect,*” *Physical Review D* 61, 123001 1-11 (2000) [B.5]
7. **E. Komatsu**, H. Matsuo, T. Kitayama, M. Hattori, R. Kawabe, K. Kohno, N. Kuno, S. Schindler, Y. Suto & K. Yoshikawa, “*Substructures Revealed by the Sunyaev-Zel'dovich Effect at 150GHz in a High Resolution Map of*

- RXJ1347-1145*,” Publications of the Astronomical Society of Japan, 53, 57-62 (2001) [A.5]
8. **E. Komatsu** & D. N. Spergel, “*Acoustic Signatures in the Primary Microwave Background Bispectrum*,” Physical Review D 63, 063002 1-13 (2001) [A.5]
 9. **E. Komatsu** & U. Seljak, “*Universal Gas Density and Temperature Profile*,” Monthly Notices of Royal Astronomical Society, 327, 1353-1366 (2001) [A.5]
 10. **E. Komatsu**, B. D. Wandelt, D. N. Spergel, A. J. Banday & K. M. Gorski, “*Measurement of the Cosmic Microwave Background Bispectrum on the COBE DMR Sky Maps*,” Astrophysical Journal, 566, 19-29 (2002) [A.5]
 11. E. Pointecouteau, M. Hattori, D. M. Neumann, **E. Komatsu**, H. Matsuo, N. Kuno & H. Bohringer, “*SZ and X-ray Combined Analysis of a Distant Galaxy Cluster, RX J2228+2037*,” Astronomy and Astrophysics, 387, 56-62 (2002) [C.5]
 12. **E. Komatsu** & U. Seljak, “*The Sunyaev-Zel'dovich Angular Power Spectrum as a Probe of Cosmological Parameters*,” Monthly Notices of Royal Astronomical Society, 336, 1256-1270 (2002) [A.5]
 13. **E. Komatsu**, A. J. Kogut, M. R. Nolta, C. L. Bennett, M. Halpern, G. Hinshaw, N. Jarosik, M. Limon, S. S. Meyer, L. Page, D. N. Spergel, G. S. Tucker, L. Verde, E. Wollack & E. L. Wright, “*First Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Tests of Gaussianity*,” Astrophysical Journal Supplement Series, 148, 119-134 (2003) [A.4]
 14. H. V. Peiris, **E. Komatsu**, L. Verde, D. N. Spergel, C. L. Bennett, M. Halpern, G. Hinshaw, N. Jarosik, A. Kogut, M. Limon, S. S. Meyer, L. Page, G. S. Tucker, E. Wollack & E. L. Wright, “*First Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Implications for Inflation*,” Astrophysical Journal Supplement Series, 148, 213-231 (2003) [A.4]
 15. D. N. Spergel, L. Verde, H. V. Peiris, **E. Komatsu**, M. R. Nolta, C. L. Bennett, M. Halpern, G. Hinshaw, N. Jarosik, A. Kogut, M. Limon, S. S. Meyer, L. Page, G. S. Tucker, J. L. Weiland, E. Wollack & E. L. Wright, “*First Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Determination of Cosmological Parameters*,” Astrophysical Journal Supplement Series, 148, 175-194 (2003) [B.4]
 16. G. Hinshaw, D. N. Spergel, L. Verde, R. S. Hill, S. S. Meyer, C. Barnes, C. L. Bennett, M. Halpern, N. Jarosik, A. Kogut, **E. Komatsu**, M. Limon, L. Page, G. S. Tucker, J. L. Weiland, E. Wollack & E. L. Wright, “*First Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: The Angular Power Spectrum*,” Astrophysical Journal Supplement Series, 148, 135-159 (2003) [B.4]

17. C. L. Bennett, M. Halpern, G. Hinshaw, N. Jarosik, A. Kogut, M. Limon, S. S. Meyer, L. Page, D. N. Spergel, G. S. Tucker, E. Wollack, E. L. Wright, C. Barnes, M. R. Greason, R. S. Hill, **E. Komatsu**, M. R. Nolta, N. Odegard, H. V. Peiris, L. Verde & J. L. Weiland, “*First Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Maps and Basic Results*,” *Astrophysical Journal Supplement Series*, 148, 1-27 (2003) [C.4]
18. N. J. Cornish, D. N. Spergel, G. D. Starkman & **E. Komatsu**, “*Constraining the Topology of the Universe*,” *Physical Review Letters*, 92, 201302 1-4 (2004) [B.4]
19. T. Kitayama, **E. Komatsu**, N. Ota, T. Kuwabara, Y. Suto, K. Yoshikawa, M. Hattori & H. Matsuo, “*Exploring Cluster Physics with High-resolution Sunyaev-Zel'dovich Effect Images and X-ray Data: A Case of the Most X-ray Luminous Galaxy Cluster RXJ1347-1145*,” *Publications of the Astronomical Society of Japan*, 56, 17-28 (2004) [A.4]
20. **E. Komatsu**, D. N. Spergel & B. D. Wandelt, “*Measuring Primordial Non-Gaussianity in the Cosmic Microwave Background*,” *Astrophysical Journal*, 634, 14-19 (2005) [A.4]
21. N. Bartolo, **E. Komatsu**, S. Matarrese & A. Riotto, “*Non-Gaussianity from Inflation: Theory and Observations*,” *Physics Report*, 402, 103-266 (2004) [A.3]
22. K. Ahn & **E. Komatsu**, “*Cosmological Lower Bound on Dark Matter Masses from the Soft Gamma-ray Background*,” *Physical Review D*, 71, 021303R 1-5 (2005) [A.3]
23. K. Ahn, **E. Komatsu** & P. Höflich, “*The Cosmic Gamma-ray Background from Type Ia Supernovae Reexamined: Evidence for the Missing Gamma-rays at MeV Energy*,” *Physical Review D*, 71, 121301R 1-4 (2005) [A.3]
24. K. Ahn & **E. Komatsu**, “*Dark Matter Annihilation: the Origin of Cosmic Gamma-ray Background at 1-20 MeV*,” *Physical Review D*, 72, 061301R 1-5 (2005) [A.3]
25. S. Ando & **E. Komatsu**, “*Anisotropy of the Cosmic Gamma-ray Background from Dark-matter Annihilation*,” *Physical Review D*, 73, 023521 1-15 (2006) [A.3]
26. E. R. Fernandez & **E. Komatsu**, “*The Cosmic Near Infrared Background: Remnant Light from Early Stars*,” *Astrophysical Journal*, 646, 703-718 (2006) [A.3]
27. M. Liguori, F. D. Hansen, **E. Komatsu**, S. Matarrese & A. Riotto, “*Testing Primordial Non-Gaussianity in CMB Anisotropies*,” *Physical Review D*, 73, 043505 1-12 (2006) [B.3]

28. M. A. Alvarez, **E. Komatsu**, O. Dore & P. R. Shapiro, “*The Cosmic Reionization History as Revealed by the CMB Doppler--21-cm Correlation Power Spectrum*,” *Astrophysical Journal*, 647, 840-852 (2006) [A.3]
29. M. Takada, **E. Komatsu** & T. Futamase, “*Cosmology with High-redshift Galaxy Survey: Neutrino Mass and Inflation*,” *Physical Review D*, 73, 083520 1-22 (2006) [B.3]
30. N. Kogo & **E. Komatsu**, “*Angular Trispectrum of CMB Temperature Anisotropy from Primordial Non-Gaussianity with the Full Radiation Transfer Function*,” *Physical Review D*, 73, 083007 1-5 (2006) [A.3]
31. Y. Watanabe & **E. Komatsu**, “*Improved Calculation of the Primordial Gravitational Wave Spectrum in the Standard Model*,” *Physical Review D*, 74, 123515 1-18 (2006) [A.3]
32. D. Jeong & **E. Komatsu**, “*Perturbation Theory Reloaded: Analytical Calculation of Non-linearity in Baryonic Oscillations in the Real Space Matter Power Spectrum*,” *Astrophysical Journal*, 651, 619-626 (2006) [A.3]
33. C. Hikage, **E. Komatsu** & T. Matsubara, “*Primordial Non-Gaussianity and Analytical Formula for Minkowski Functionals of the Cosmic Microwave Background and Large-scale Structure*,” *Astrophysical Journal*, 653, 11-26 (2006) [A.3]
34. L. Page, G. Hinshaw, **E. Komatsu**, M. R. Nolta, D. N. Spergel, C. L. Bennett, C. Barnes, R. Bean, O. Dore, M. Halpern, R. S. Hill, N. Jarosik, A. Kogut, M. Limon, S. S. Meyer, N. Odegard, H. V. Peiris, G. S. Tucker, L. Verde, J. L. Weiland, E. Wollack & E. L. Wright, “*Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Polarization Analysis*,” *Astrophysical Journal Supplement Series*, 170, 335-376 (2007) [B.3]
35. D. N. Spergel, R. Bean, O. Dore, M. R. Nolta, C. L. Bennett, G. Hinshaw, N. Jarosik, **E. Komatsu**, L. Page, H. V. Peiris, L. Verde, C. Barnes, M. Halpern, R. S. Hill, A. Kogut, M. Limon, S. S. Meyer, N. Odegard, G. S. Tucker, J. L. Weiland, E. Wollack & E. L. Wright, “*Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Implications for Cosmology*,” *Astrophysical Journal Supplement Series*, 170, 377-408 (2007) [B.3]
36. G. Hinshaw, M. R. Nolta, C. L. Bennett, R. Bean, O. Dore, M. R. Greason, M. Halpern, R. S. Hill, N. Jarosik, A. Kogut, **E. Komatsu**, M. Limon, N. Odegard, S. S. Meyer, L. Page, H. V. Peiris, D. N. Spergel, G. S. Tucker, L. Verde, J. L. Weiland, E. Wollack & E. L. Wright, “*Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Temperature Results*,” *Astrophysical Journal Supplement Series*, 170, 288-334 (2007) [B.3]

37. N. Jarosik, C. Barnes, M. R. Greason, R. S. Hill, M. R. Nolta, N. Odegard, J. L. Weiland, R. Bean, C. L. Bennett, O. Dore, M. Halpern, G. Hinshaw, A. Kogut, **E. Komatsu**, M. Limon, S. S. Meyer, L. Page, D. N. Spergel, G. S. Tucker, E. Wollack & E. L. Wright, “*Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Beam Profiles, Data Processing, Radiometer Characterization and Systematic Error Limits*,” *Astrophysical Journal Supplement Series*, 170, 263-287 (2007) [C.3]
38. A. Kogut, J. Dunkley, C. L. Bennett, O. Dore, B. Gold, M. Halpern, G. Hinshaw, N. Jarosik, **E. Komatsu**, M. R. Nolta, N. Odegard, L. Page, D. N. Spergel, G. S. Tucker, J. L. Weiland, E. Wollack, and E. L. Wright, “*Three-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Foreground Polarization*,” *Astrophysical Journal*, 665, 355-362 (2007) [C.3]
39. S. Ando, **E. Komatsu**, T. Narumoto & T. Totani, “*Angular Power Spectrum of Gamma-ray Sources for GLAST: Blazars and Clusters of Galaxies*,” *Monthly Notices of the Royal Astronomical Society*, 376, 1635-1647 (2007) [B.3]
40. S. Ando, **E. Komatsu**, T. Narumoto & T. Totani, “*Dark Matter Annihilation or Unresolved Astrophysical Sources? Anisotropy Probe of the Origin of Cosmic Gamma-ray Background*,” *Physical Review D*, 75, 063519 1-17 (2007) [A.3]
41. Y. Watanabe & **E. Komatsu**, “*Reheating of the universe after inflation with $f(\phi)R$ gravity*,” *Physical Review D*, 75, 061301R 1-5 (2007) [A.3]
42. A.P.S. Yadav, **E. Komatsu** & B.D. Wandelt, “*Fast Estimator of Primordial Non-Gaussianity from Temperature and Polarization Anisotropies in the Cosmic Microwave Background*,” *Astrophysical Journal*, 664, 680-686 (2007) [A.3]
43. E. Sefusatti & **E. Komatsu**, “*The Bispectrum of Galaxies From High-redshift Galaxy Surveys: Primordial Non-Gaussianity And Non-linear Galaxy Bias*,” *Physical Review D*, 76, 083004 1-17 (2007) [B.3]
44. M. Liguori, A.P.S. Yadav, F.K. Hansen, **E. Komatsu**, S. Matarrese & B.D. Wandelt, “*Temperature and Polarization CMB Maps from Primordial non-Gaussianities of the Local Type*,” *Physical Review D*, 76, 105016 1-10 (2007) [B.3]
45. E.R. Fernandez & **E. Komatsu**, “*Mass-to-light Ratio of Ly-alpha Emitters: Implications of Ly-alpha Surveys at Redshifts $z=5.7, 6.5, 7, \text{ and } 8.8$* ,” *Monthly Notices of the Royal Astronomical Society*, 384, 1363-1376 (2008) [A.3]
46. A.J. Nishizawa, **E. Komatsu**, N. Yoshida, R. Takahashi & N. Sugiyama, “*Cosmic Microwave Background-Weak Lensing Correlation: Analytical and Numerical Study of Non-linearity and Implications for Dark Energy*,” *Astrophysical Journal Letters*, 676, L93-L96 (2008) [A.3]

47. Y. Watanabe & **E. Komatsu**, “*Gravitational Inflaton Decay and The Hierarchy Problem*,” *Physical Review D*, 77, 043514 1-6 (2008) [A.3]
48. A.P.S. Yadav, **E. Komatsu**, B.D. Wandelt, M. Liguori, F.K. Hansen & S. Matarrese, “*Fast Estimator of Primordial Non-Gaussianity from Temperature and Polarization Anisotropies in the Cosmic Microwave Background II: Partial Sky Coverage and Inhomogeneous Noise*,” *Astrophysical Journal*, 678, 578-582 (2008) [A.3]
49. K. T. Inoue, P. Cabella & **E. Komatsu**, “*Harmonic inpainting of the Cosmic Microwave Background Sky I: Formulation and Error Estimate*,” *Physical Review D*, 77, 123539 1-7 (2008) [C.3]
50. N. Ota, K. Murase, T. Kitayama, **E. Komatsu**, M. Hattori, H. Matsuo, T. Oshima, Y. Suto & K. Yoshikawa, “*Suzaku broad-band spectroscopy of RX J1347.5-1145: constraints on the extremely hot gas and non-thermal emission*,” *Astronomy & Astrophysics*, 491, 363-377 (2008) [B.3]
51. D. Jeong & **E. Komatsu**. “*Perturbation Theory Reloaded II: Non-linear Bias, Baryon Acoustic Oscillations and Millennium Simulation in Real Space*,” *Astrophysical Journal*, 691, 569-595 (2009) [A.2]
52. M. Shoji, D. Jeong & **E. Komatsu**. “*Extracting Angular Diameter Distance and Expansion Rate of the Universe from Twodimensional Galaxy Power Spectrum at High Redshifts: Baryon Acoustic Oscillation Fitting versus Full Modeling*,” *Astrophysical Journal*, 693, 1404-1416 (2009) [A.2]
53. **E. Komatsu**, J. Dunkley, M. R.olta, C. L. Bennett, B. Gold, G. Hinshaw, N. Jarosik, D. Larson, M. Limon, L. Page, D. N. Spergel, M. Halpern, R. S. Hill, A. Kogut, S. S. Meyer, G. S. Tucker, J. L. Weiland, E. Wollack & E. L. Wright, “*Five-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Cosmological Interpretation*,” *Astrophysical Journal Supplement Series*, 180, 330-376 (2009) [A.2]
54. J. Dunkley, **E. Komatsu**, M. R.olta, D. N. Spergel, D. Larson, G. Hinshaw, L. Page, C. L. Bennett, B. Gold, N. Jarosik, J. L. Weiland, M. Halpern, R. S. Hill, A. Kogut, M. Limon, S. S. Meyer, G. S. Tucker, E. Wollack & E. L. Wright, “*Five-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Likelihoods and Parameters from the WMAP data*,” *Astrophysical Journal Supplement Series*, 180, 306-329 (2009) [B.2]
55. J. Dunkley, D. N. Spergel, **E. Komatsu**, G. Hinshaw, D. Larson, M. R.olta, N. Odegard, L. Page, C. L. Bennett, B. Gold, R. S. Hill, N. Jarosik, J. L. Weiland, M. Halpern, A. Kogut, M. Limon, S. S. Meyer, G. S. Tucker, E. Wollack & E. L. Wright, “*Five-Year Wilkinson Microwave Anisotropy Probe (WMAP)*

- Observations: Bayesian Estimation of CMB Polarization Maps,*” *Astrophysical Journal*, 701, 1804-1813 (2009) [B.2]
56. M. R. Nolta, J. Dunkley, R. S. Hill, G. Hinshaw, **E. Komatsu**, D. Larson, L. Page, D. N. Spergel, C. L. Bennett, B. Gold, N. Jarosik, N. Odegard, J. L. Weiland, E. Wollack, M. Halpern, A. Kogut, M. Limon, S. S. Meyer, G. S. Tucker & E. L. Wright, “*Five-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Angular Power Spectra,*” *Astrophysical Journal Supplement Series*, 180, 296-305 (2009) [B.2]
57. G. Hinshaw, J. L. Weiland, R. S. Hill, N. Odegard, D. Larson, C. L. Bennett, J. Dunkley, B. Gold, M. R. Greason, N. Jarosik, **E. Komatsu**, M. R. Nolta, L. Page, D. N. Spergel, E. Wollack, M. Halpern, A. Kogut, M. Limon, S. S. Meyer, G. S. Tucker & E. L. Wright, “*Five-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Data Processing, Sky Maps, and Basic Results,*” *Astrophysical Journal Supplement Series*, 180, 225-245 (2009) [B.2]
58. B. Gold, C. L. Bennett, R. S. Hill, G. Hinshaw, N. Odegard, L. Page, D. N. Spergel, J. L. Weiland, J. Dunkley, M. Halpern, N. Jarosik, A. Kogut, **E. Komatsu**, D. Larson, S. S. Meyer, M. R. Nolta, E. Wollack & E. L. Wright, “*Five-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Galactic Foreground Emission,*” *Astrophysical Journal Supplement Series*, 180, 265-282 (2009) [C.2]
59. E. L. Wright, X. Chen, N. Odegard, C. L. Bennett, R. S. Hill, G. Hinshaw, N. Jarosik, **E. Komatsu**, M. R. Nolta, L. Page, D. N. Spergel, J. L. Weiland, E. Wollack, J. Dunkley, B. Gold, M. Halpern, A. Kogut, D. Larson, M. Limon, S. S. Meyer & G. S. Tucker, “*Five-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Source Catalog,*” *Astrophysical Journal Supplement Series*, 180, 283-295 (2009) [C.2]
60. D. Nitta, **E. Komatsu**, N. Bartolo, S. Matarrese & A. Riotto, “*CMB Anisotropies at Second Order III: Bispectrum from Products of the First-order Perturbations,*” *Journal of Cosmology and Astroparticle Physics*, 05, 014 1-21 (2009) [B.2]
61. M. Shoji & **E. Komatsu**, “*Third-order Perturbation Theory With Non-linear Pressure,*” *Astrophysical Journal*, 700, 705-719 (2009) [B.2]
62. D. Jeong & **E. Komatsu**, “*Primordial non-Gaussianity, Scale-dependent Bias, and the Bispectrum of Galaxies,*” *Astrophysical Journal*, 703, 1230-1248 (2009) [B.2]
63. P. Natoli, G. De Troia, C. Hikage, **E. Komatsu**, M. Migliaccio, P. A. R. Ade, J. J. Bock, J. R. Bond, J. Borrill, A. Boscaleri, C. R. Contaldi, B. P. Crill, P. de Bernardis, G. de Gasperis, A. de Oliveira-Costa, G. Di Stefano, E. Hivon, T. S. Kisner, W. C. Jones, A. E. Lange, S. Masi, P. D. Mauskopf, C. J. MacTavish, A.

- Melchiorri, T. E. Montroy, C. B. Netterfield, E. Pascale, F. Piacentini, G. Polenta, S. Ricciardi, G. Romeo, J. E. Ruhl, M. Tegmark, M. Veneziani & N. Vittorio, “*BOOMERanG Constraints on Primordial Non-Gaussianity from Analytical Minkowski Functionals*,” *Monthly Notices of Royal Astronomical Society*, 408, 1658-1665 (2010) [C.2]
64. E. R. Fernandez, **E. Komatsu**, I. T. Iliev & P. R. Shapiro, “*The Cosmic Near Infrared Background II: Fluctuations*,” *Astrophysics Journal*, 710, 1089-1110 (2010 February 20) [A.2]
65. D. Jeong, **E. Komatsu** & B. Jain, “*Galaxy-CMB and galaxy-galaxy lensing on large scales: sensitivity to primordial non-Gaussianity*,” *Physical Review D*, 80, 123527 1-25 (2009 December 22) [A.2]
66. **E. Komatsu**, “*Hunting for Primordial Non-Gaussianity in the Cosmic Microwave Background*,” *Classical and Quantum Gravity*, 27, 124010 1-26 (2010 May 27) [A.2]
67. M. Shoji & **E. Komatsu**, “*Massive Neutrinos in Cosmology: Analytic Solutions and Fluid Approximation*,” *Physical Review D*, 81, 123516 1-15 (2010 June 15) [B.2]
68. J. Lee & **E. Komatsu**, “*Bullet Cluster: A Challenge to Λ CDM Cosmology*,” *Astrophysical Journal*, 718, 60-65 (2010 July 20) [A.2]
69. **E. Komatsu**, K. M. Smith, J. Dunkley, C. L. Bennett, B. Gold, G. Hinshaw, N. Jarosik, D. Larson, M. R. Nolta, L. Page, D. N. Spergel, M. Halpern, R. S. Hill, A. Kogut, M. Limon, S. S. Meyer, N. Odegard, G. S. Tucker, J. L. Weiland, E. Wollack & E. L. Wright, “*Seven-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Cosmological Interpretation*,” *Astrophysical Journal Supplement Series*, 192, 18 1-47 (2011 January 11) [A.2]
70. D. Larson, J. Dunkley, G. Hinshaw, **E. Komatsu**, M. R. Nolta, C. L. Bennett, B. Gold, M. Halpern, R. S. Hill, N. Jarosik, A. Kogut, M. Limon, S. S. Meyer, N. Odegard, L. Page, K. M. Smith, D. N. Spergel, G. S. Tucker, J. L. Weiland, E. Wollack & E. L. Wright, “*Seven-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Power Spectra and WMAP-Derived Parameters*,” *Astrophysical Journal Supplement Series*, 192, 16 1-19 (2011 January 11) [B.2]
71. N. Jarosik, C. L. Bennett, J. Dunkley, B. Gold, M. R. Greason, M. Halpern, R. S. Hill, G. Hinshaw, A. Kogut, **E. Komatsu**, D. Larson, M. Limon, S. S. Meyer, M. R. Nolta, N. Odegard, L. Page, K. M. Smith, D. N. Spergel, G. S. Tucker, J. L. Weiland, E. Wollack & E. L. Wright, “*Seven-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Sky Maps, Systematic Errors, and Basic*

- Results,*” *Astrophysical Journal Supplement Series*, 192, 14 1-15 (2011 January 11) [B.2]
72. C. L. Bennett, R. S. Hill, G. Hinshaw, D. Larson, K. M. Smith, J. Dunkley, B. Gold, M. Halpern, N. Jarosik, A. Kogut, **E. Komatsu**, M. Limon, S. S. Meyer, M. R. Nolta, N. Odegard, L. Page, D. N. Spergel, G. S. Tucker, J. L. Weiland, E. Wollack & E. L. Wright, “*Seven-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Are There Cosmic Microwave Background Anomalies?*,” *Astrophysical Journal Supplement Series*, 192, 17 1-19 (2011 January 11) [C.2]
73. B. Gold, N. Odegard, J. L. Weiland, R. S. Hill, A. Kogut, C. L. Bennett, G. Hinshaw, J. Dunkley, M. Halpern, N. Jarosik, **E. Komatsu**, D. Larson, M. Limon, S. S. Meyer, M. R. Nolta, L. Page, K. M. Smith, D. N. Spergel, G. S. Tucker, E. Wollack & E. L. Wright, “*Seven-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Galactic Foreground Emission,*” *Astrophysical Journal Supplement Series*, 192, 15 1-28 (2011 January 11) [C.2]
74. J. L. Weiland, N. Odegard, R. S. Hill, E. Wollack, G. Hinshaw, M. R. Greason, N. Jarosik, L. Page, C. L. Bennett, J. Dunkley, B. Gold, M. Halpern, A. Kogut, **E. Komatsu**, D. Larson, M. Limon, S. S. Meyer, M. R. Nolta, K. M. Smith, D. N. Spergel, G. S. Tucker & E. L. Wright, “*Seven-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Planets and Celestial Calibration Sources,*” *Astrophysical Journal Supplement Series*, 192, 19 1-21 (2011 January 11) [C.2]
75. J. Ganc & **E. Komatsu**, “*A New Method for Calculating the Primordial Bispectrum in the Squeezed Limit,*” *Journal of Cosmology and Astroparticle Physics*, 12, 009 1-19 (2010 December 9) [B.2]
76. S. Campbell, B. Dutta & **E. Komatsu**, “*Effects of Velocity-Dependent Dark Matter Annihilation on the Energy Spectrum of Extragalactic Gamma-ray Background,*” *Physical Review D*, 82, 095007 1-18 (2010 November 16) [B.1]
77. J.J. Adams, G.A. Blanc, G.J. Hill, K. Gebhardt, N. Drory, L. Hao, R. Bender, J. Byun, R. Ciardullo, M.E. Cornell, S.L. Finkelstein, A. Fry, E. Gawiser, C. Gronwall, U. Hopp, D. Jeong, A. Kelz, R. Kelzenberg, **E. Komatsu**, P.J. MacQueen, J. Murphy, P.S. Odoms, M. Roth, D.P. Schneider, J.R. Tufts, & C.P. Wilkinson, “*Hobby-Eberly Telescope Dark Energy Experiment (HETDEX) Pilot Survey for Emission Line Galaxies I: Survey Design, Performance, and Catalog,*” *Astrophysical Journal Supplement Series*, 192, 5 1-34 (2011 January) [C.1]
78. G.A. Blanc, J.J. Adams, K. Gebhardt, G.J. Hill, N. Drory, L. Hao, R. Bender, R. Ciardullo, S.L. Finkelstein, E. Gawiser, C. Gronwall, U. Hopp, D. Jeong, R. Kelzenberg, **E. Komatsu**, P. MacQueen, J.D. Murphy, M.M. Roth, D.P. Schneider, & J.R. Tufts, “*Hobby-Eberly Telescope Dark Energy Experiment*

- (HETDEX) Pilot Survey for Emission Line Galaxies II: The Evolution of the Ly-alpha Escape Fraction from the UV Slope and Luminosity Function of $1.9 < z < 3.8$ LAEs,” *Astrophysical Journal*, 736, 31 1-21 (2011 July 1) [C.1]
79. J. Zhang & **E. Komatsu**, “Cosmic Shears Should Not Be Measured In Conventional Ways,” *Monthly Notices of Royal Astronomical Society*, 414, 1047-1058 (2011 May 17) [C.1]
80. N.S. Sugiyama, **E. Komatsu**, & T. Futamase, “Non-Gaussianity Consistency Relation for Multi-field Inflation,” *Physical Review Letters*, 106, 251301 1-4 (2011 June 23) [A.1]
81. N. Katayama & **E. Komatsu**, “Simple Foreground Cleaning Algorithm for Detecting Primordial B-mode Polarization of the Cosmic Microwave Background,” *Astrophysical Journal*, 737, 78 1-11 (2011 August 8) [A.1]
82. E. R. Fernandez, I. T. Iliev, **E. Komatsu**, & P. R. Shapiro, “The Cosmic Near Infrared Background III: Fluctuations, Reionization and the Effects of Minimum Mass and Self-regulation,” *Astrophysics Journal*, 750, 20 (2012 May 1) [B.1]
83. Fermi-LAT Collaboration & **E. Komatsu**, “Anisotropies in the Diffuse Gamma-ray Background Measured by the Fermi LAT,” *Physical Review D*, 85, 083007 1-23 (2012 April 23) [B.1]
84. K. Yamada, T. Kitayama, S. Takakuwa, D. Iono, T. Tsutsumi, K. Kohno, M. Takizawa, K. Yoshikawa, T. Akahori, **E. Komatsu**, Y. Suto, H. Matsuo, & R. Kawabe, “Imaging Simulations of the Sunyaev-Zel'dovich effect for ALMA,” *Publications of the Astronomical Society of Japan*, 64, 102-117 (2012 October 25) [C.1]
85. A. Cuoco, **E. Komatsu**, & J. M. Siegal-Gaskins, “Joint Anisotropy and Source Count Constraints on the Contribution of Blazars to the Diffuse Gamma-ray Background,” *Physical Review D*, 86, 063004 1-7 (2012 September 5) [B.1]
86. V. Junk & **E. Komatsu**, “Cosmic Microwave Background Bispectrum from the Lensing-Rees-Sciama Correlation Reexamined: Effects of Non-linear Matter Clustering,” *Physical Review D*, 85, 123524 1-8 (2012 June 15) [A.1]
87. J. Ganc & **E. Komatsu**, “Scale-dependent Bias of Galaxies and μ -type Distortion of the Cosmic Microwave Background Spectrum from Single-field Inflation with a Modified Initial State,” *Physical Review D*, 86, 023518 1-14 (2012 July 10) [B.1]
88. N.S. Sugiyama, **E. Komatsu**, & T. Futamase, “ δN Formalism,” *Physical Review D*, 87, 023530 1-10 (2013 January 30) [A.0]

89. B. Greig, **E. Komatsu**, & J.S.B. Wyithe, “*Cosmology from clustering of Lyman-alpha Galaxies: Breaking Non-gravitational Lyman-alpha Radiative Transfer Degeneracies Using the Bispectrum*,” Monthly Notices of Royal Astronomical Society, 431, 17777-1794 (2013 May 11) [A.0]
90. G. Hinshaw, D. Larson, **E. Komatsu**, D.N. Spergel, C.L. Bennett, J. Dunkley, M.R. Nolta, M. Halpern, R.S. Hill, N. Odegard, L. Page, K.M. Smith, J.L. Weiland, B. Gold, N. Jarosik, A. Kogut, M. Limon, S.S. Meyer, G.S. Tucker, E. Wollack, & E.L. Wright, “*Nine-year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Cosmological Parameter Results*,” Astrophysical Journal Supplement Series, 208, 19 (2013 September 20) [B.0]
91. C.L. Bennett, D. Larson, J.L. Weiland, N. Jarosik, G. Hinshaw, N. Odegard, K.M. Smith, R.S. Hill, B. Gold, M. Halpern, **E. Komatsu**, M.R. Nolta, L. Page, D.N. Spergel, E. Wollack, J. Dunkley, A. Kogut, M. Limon, S.S. Meyer, G.S. Tucker, & E.L. Wright, “*Nine-year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Final Maps and Results*,” Astrophysical Journal Supplement Series, 208, 20 (2013 September 20) [B.0]
92. H. Park, P.R. Shapiro, **E. Komatsu**, I.T. Iliev, K. Ahn, & G. Mellema, “*The Kinetic Sunyaev-Zel'dovich Effect as a Probe of the Physics of Cosmic Reionization: the Effects of Self-regulated Reionization*,” Astrophysical Journal, 769, 93 1-14 (2013 May 8) [B.0]
93. S. Ando & **E. Komatsu**, “*Constraints on the Annihilation Cross Section of Dark Matter Particles from Anisotropies in the Diffuse Gamma-ray Background Measured with Fermi-LAT*,” Physical Review D, 87, 123539 1-12 (2013 June 28) [B.0]
94. M. Shiraishi, **E. Komatsu**, M. Peloso, & N. Barnaby, “*Signatures of Anisotropic Sources in the Squeezed-limit Bispectrum of the Cosmic Microwave Background*,” Journal of Cosmology and Astroparticle Physics, 05, 002 1-30 (2013 May 3) [A.0]
95. J. Kim, A. Rotti, & **E. Komatsu**, “*Removing the ISW-lensing Bias from the Local-form Primordial Non-Gaussianity Estimation*,” Journal of Cosmology and Astroparticle Physics, 04, 021 1-17 (2013 April 9) [A.0]
96. C.T. Chiang, P. Wullstein, D. Jeong, **E. Komatsu**, G.A. Blanc, R. Ciardullo, N. Drory, M. Fabricius, S. Finkelstein, K. Gebhardt, C. Gronwall, A. Hagen, G.J. Hill, I. Jee, S. Jogee, M. Landriau, E.M. Cooper, D.P. Schneider, & S. Tuttle, “*Galaxy Redshift Surveys with Sparse Sampling*,” Journal of Cosmology and Astroparticle Physics, 12, 030 (2013 December 13) [A.0]

97. X. Chen, H. Firouzjahi, **E. Komatsu**, M.H. Hossein, & M. Sasaki, “*In-in and δN Calculations of the Bispectrum from Non-attractor Single-field Inflation*,” Journal of Cosmology and Astroparticle Physics, 12, 039 (2013 December 13) [C.0]
98. K. Sugimura & **E. Komatsu**, “*Bispectrum from open inflation*,” Journal of Cosmology and Astroparticle Physics, 11, 065 (2013 November 29) [B.0]
99. K.E. Kunze & **E. Komatsu**, “*Constraining Primordial Magnetic Fields with Distortions of the Black-body Spectrum of the Cosmic Microwave Background: Pre- and Post-decoupling Contributions*,” Journal of Cosmology and Astroparticle Physics, 01, 009 (2014 January 9) [B.0]
100. J. Kim & **E. Komatsu**, “*Limits on Anisotropic Inflation from the Planck Data*,” Physical Review D, 88, 101301R 1-5 (2013 November 14) [B.0]
101. M. Shiraishi, **E. Komatsu**, & M. Peloso, “*Signatures of Anisotropic Sources in the Trispectrum of the Cosmic Microwave Background*,” Journal of Cosmology and Astroparticle Physics, 04, 027 (2014 April 28) [B.0]
102. X. Shi & **E. Komatsu**, “*Analytical Model for Non-thermal Pressure in Galaxy Clusters*,” Monthly Notices of Royal Astronomical Society, 442, 521-532 (2014 July 21) [B.0]
103. C.T. Chiang, C. Wagner, F. Schmidt, & **E. Komatsu**, “*Position-dependent Power Spectrum of the Large-scale Structure: A Novel Method to Measure the Squeezed-limit Bispectrum*,” Journal of Cosmology and Astroparticle Physics, 05, 048 (2014 May 29) [B.0]
104. **E. Komatsu** and C.L. Bennett for the WMAP Science Team, “*Results from the Wilkinson Microwave Anisotropy Probe*,” Progress of Theoretical and Experimental Physics, 06B102 (2014 June 11) [A.0]
105. S. Ando, A. Benoit-Levy, & **E. Komatsu**, “*Mapping Dark Matter in the Gamma-ray Sky with Galaxy Catalogs*,” Physical Review D 90, 023514 (2014 July 10) [B.0]
106. T. Giannantonio & **E. Komatsu**, “*Bayesian Evidence of Non-standard Inflation: Isocurvature Perturbations and Running Spectral Index*,” Physical Review D 91, 023506 (2015 January 6) [B.0]
107. X. Shi, **E. Komatsu**, K. Nelson, & D. Nagai, “*Analytical Model for Non-thermal Pressure in Galaxy Clusters II: Comparison with Cosmological Hydrodynamics Simulation*,” Monthly Notices of Royal Astronomical Society, 448, 1020-1029 (2015 March 21) [B.0]

108. C. Wagner, F. Schmidt, C.T. Chiang, & **E. Komatsu**, “*Separate Universe Simulation*,” Monthly Notices of Royal Astronomical Society Letters, 448, L11-L15 (2015 March 21) [C.0]
109. A. Naruko, **E. Komatsu**, & M. Yamaguchi, “*Anisotropic Inflation Reexamined: Upper Bound on Broken Rotational Invariance during Inflation*,” Journal of Cosmology and Astroparticle Physics, 04, 045 (2015 April 27) [B.0]
110. K.E. Kunze & **E. Komatsu**, “*Constraints on Primordial Magnetic Fields from the Optical Depth of the Cosmic Microwave Background*,” Journal of Cosmology and Astroparticle Physics, 06, 027 (2015 June 12) [B.0]
111. C. Wagner, F. Schmidt, C.T. Chiang, & **E. Komatsu**, “*The Angle-averaged Squeezed Limit of Nonlinear Matter N-point Functions*,” Journal of Cosmology and Astroparticle Physics, 08, 042 (2015 August 21) [C.0]
112. C.T. Chiang, C. Wagner, A. Sánchez, F. Schmidt, & **E. Komatsu**, “*Position-dependent Correlation Function from the SDSS-III Baryon Oscillation Spectroscopic Survey Data Release 10 CMASS Sample*,” Journal of Cosmology and Astroparticle Physics, 09, 028 (2015 September 9) [B.0]
113. I. Jee, **E. Komatsu**, & S. Suyu, “*Measuring Angular Diameter Distances of Strong Gravitational Lenses*,” Journal of Cosmology and Astroparticle Physics, 11, 033 (2015 November 19) [A.0]
114. H. Park, **E. Komatsu**, P.R. Shapiro, J. Koda, & Y. Mao, “*The Impact of Nonlinear Structure Formation on the Power Spectrum of Transverse Momentum Fluctuations and the Kinetic Sunyaev-Zel'dovich Effect*,” Astrophysical Journal, 818, 37 (2016 February 5) [B.0]
115. X. Shi, **E. Komatsu**, D. Nagai, & E. Lau, “*Analytical Model for Non-thermal Pressure in Galaxy Clusters III: Removing the Hydrostatic Mass Bias*,” Monthly Notices of Royal Astronomical Society, 455, 2936-2944 (2016 January 21) [B.0]
116. I. Jee, **E. Komatsu**, S. Suyu, & D. Huterer, “*Time-delay Cosmography: Increased Leverage with Angular Diameter Distances*,” Journal of Cosmology and Astroparticle Physics, 04, 031 (2016 April 15) [B.0]
117. K. Dolag, **E. Komatsu**, & R. Sunyaev, “*SZ effects in the Magneticum Pathfinder Simulation: Comparison with Planck, SPT, and ACT Results*,” Monthly Notices of Royal Astronomical Society, 463, 1797-1811 (2016 December 1) [B.0]
118. T. Kitayama, S. Ueda, S. Takakuwa, T. Tsutsumi, **E. Komatsu**, T. Akahori, D. Iono, T. Izumi, R. Kawabe, K. Kohno, H. Matsuo, N. Ota, Y. Suto, M. Takizawa, & K. Yoshikawa, “*The Sunyaev-Zel'dovich effect at 5”: RX J1347.5-1145 imaged*

- by *ALMA*,” Publications of the Astronomical Society of Japan, 68, 88 (2016 October 5) [B.0]
119. M. Fornasa, A. Cuoco, J. Zavala, J. M. Gaskins, M. Angel Sanchez-Conde, G. Gomez-Vargas, **E. Komatsu**, T. Linden, F. Prada, & F. Zandanel, “*The angular power spectrum of the gamma-ray background as measured by the Fermi Large Area Telescope and constraints on its Dark Matter interpretation,*” Physical Review D, 94, 123005 (2016 December 9) [B.0]
 120. A.S. Leung, V. Acquaviva, E. Gawiser, R. Ciardullo, **E. Komatsu**, G.R. Zeimann, J.S. Bridge, J.J. Feldmeier, K. Gebhardt, C. Gronwall, A. Hagen, & G.J. Hill, “*Bayesian Redshift Classification of Emission-line Galaxies with Photometric Equivalent Widths,*” Astrophysical Journal, 843, 130 (2017 July 13) [B.0]
 121. K. Helgason & **E. Komatsu**, “*AKARI near-infrared background fluctuations arise from normal galaxy populations,*” Monthly Notices of the Royal Astronomical Society Letters, 467, L36-L40 (2017 May) [B.0]
 122. S. Ando, A. Benoit-Levy, and **E. Komatsu**, “*Angular power spectrum of galaxies in the 2MASS Redshift Survey,*” Monthly Notices of the Royal Astronomical Society Letters, 473, 4318-4325 (2018 February) [B.0]
 123. A. Agrawal, R. Makiya, C.-T. Chiang, D. Jeong, S. Saito, & **E. Komatsu**, “*Generating log-normal mock catalog of galaxies in redshift space,*” Journal of Cosmology and Astroparticle Physics, 10, 003 (2017 October 3) [B.0]
 124. A. Agrawal, T. Fujita, & **E. Komatsu**, “*Large tensor non-Gaussianity from axion-gauge fields dynamics,*” Physical Review D, 97, 103526 (2018 May 29) [B.0]
 125. B. Thorne, T. Fujita, M. Hazumi, N. Katayama, **E. Komatsu**, & M. Shiraishi, “*Finding the chiral gravitational wave background of an axion-SU(2) inflationary model using CMB observations and laser interferometers,*” Physical Review D, 97, 043506 (2018 February 9) [C.0]
 126. B. Bolliet, B. Comis, **E. Komatsu**, & J. Macias-Perez, “*Dark energy from the thermal Sunyaev-Zeldovich power spectrum,*” Monthly Notices of the Royal Astronomical Society, 477, 4957-4967 (2018 July 11) [B.0]
 127. A. Boyle & **E. Komatsu**, “*Deconstructing the neutrino mass constraint from galaxy redshift surveys,*” Journal of Cosmology and Astroparticle Physics, 03, 035 (2018 March 21) [B.0]

128. C.D. Kreisch & **E. Komatsu**, “*Cosmological constraints on Horndeski gravity in light of GW170817*,” *Journal of Cosmology and Astroparticle Physics*, 12, 030 (2018 December 18) [B.0]
129. Q. Ma, K. Helgason, **E. Komatsu**, B. Ciardi, & A. Ferrara, “*Measuring patchy deionisation with kSZ^2 -21cm correlations*,” *Monthly Notices of the Royal Astronomical Society*, 476, 4025-4031 (2018 May 21) [B.0]
130. T. Hiramatsu, **E. Komatsu**, M. Hazumi, & M. Sasaki, “*Reconstruction of primordial tensor power spectra from B-mode polarization of the cosmic microwave background*,” *Physical Review D*, 97, 123511 (2018 June 11) [B.0]
131. A. Agrawal, T. Fujita, & **E. Komatsu**, “*Tensor non-Gaussianity from axion-gauge fields dynamics: Parameter search*,” *Journal of Cosmology and Astroparticle Physics*, 06, 027 (2018 June 18) [B.0]
132. R. Makiya, S. Ando, & **E. Komatsu**, “*Joint analysis of the thermal Sunyaev-Zeldovich effect and 2MASS galaxies: Probing gas physics in the local Universe and beyond*,” *Monthly Notices of the Royal Astronomical Society*, 480, 3928-3941 (2018 November) [B.0]
133. K. D. Lozanov, A. Maleknejad, & **E. Komatsu**, “*Schwinger effect by an $SU(2)$ gauge field during inflation*,” *Journal of High Energy Physics*, 02, 041 (2019 February 7) [C.0]
134. A. Maleknejad & **E. Komatsu**, “*Production and backreaction of spin-2 particles of $SU(2)$ gauge field during inflation*,” *Journal of High Energy Physics*, 05, 174 (2019 May 27) [B.0]
135. S. Ueda, T. Kitayama, M. Oguri, **E. Komatsu**, T. Akahori, D. Iono, T. Izumi, R. Kawabe, K. Kohno, H. Matsuo, N. Ota, Y. Suto, S. Takakuwa, M. Takizawa, T. Tsutsumi, & K. Yoshikawa, “*Cool core disturbed: Observational evidence for coexistence of sub-sonic sloshing gas and stripped shock-heated gas around the core of RX J1347.5-1145*,” *Astrophysical Journal*, 866, 48 (2018 October 10) [B.0]
136. K. Ichiki, H. Kanai, N. Katayama, & **E. Komatsu**, “*Delta-map method of removing CMB foregrounds with spatially varying spectra*,” *Progress of Theoretical and Experimental Physics*, 033E01 (2019 March 29) [B.0]
137. H.S.G. Gebhardt, D. Jeong, H. Awan, J. Bridge, R. Ciardullo, D. Farrow, K. Gebhardt, G. Hill, **E. Komatsu**, M. Molina, A. Paulino-Afonso, S. Saito, D.P. Schneider, & G. Zeimann, “*Unbiased cosmological parameter estimation from emission line surveys with interlopers*,” *Astrophysical Journal*, 876, 32 (2019 May 1) [C.0]

138. S.K. Giri, A. D'Aloisio, G. Mellema, **E. Komatsu**, R. Ghara, & S. Majumdar, “*Position-dependent power spectra of the 21-cm signal from the epoch of reionization*,” *Journal of Cosmology and Astroparticle Physics*, 02, 058 (2019 February 28) [B.0]
139. G.E. Addison, C.L. Bennet, D. Jeong, **E. Komatsu**, & J.L. Weiland, “*The impact of line misidentification on cosmological constraints from Euclid and other spectroscopic galaxy surveys*,” *Astrophysical Journal*, 879, 15 (2019 July 1) [B.0]
140. Y. Suwa, H.W.H. Tahara, & **E. Komatsu**, “*Kompaneets equation for neutrinos: application to neutrino heating in supernova explosions*,” *Progress of Theoretical and Experimental Physics*, 083E04 (2019 August 23) [B.0]
141. Y. Minami, H. Ochi, K. Ichiki, N. Katayama, **E. Komatsu**, & T. Matsumura, “*Simultaneous determination of the cosmic birefringence and miscalibrated polarization angles from CMB experiments*,” *Progress of Theoretical and Experimental Physics*, 083E02 (2019 August 11) [A.0]
142. S. Taubenberger, S.H. Suyu, **E. Komatsu**, I. Jee, S. Birrer, V. Bonvin, F. Courbin, C.E. Rusu, A.J. Shajib, & K.C. Wong, “*The Hubble Constant determined through an inverse distance ladder including quasar time delays and Type Ia supernovae*,” *Astronomy and Astrophysics*, 628, L7 (2019 August 20) [B.0]
143. K.C. Wong, S.H. Suyu, G.C.-F. Chen, C.E. Rusu, M. Millon, D. Sluse, V. Bonvin, C.D. Fassnacht, S. Taubenberger, M.W. Auger, S. Birrer, J.H.H. Chan, F. Courbin, S. Hilbert, O. Tihhonova, T. Treu, A. Agnello, X. Ding, I. Jee, **E. Komatsu**, A.J. Shajib, A. Sonnenfeld, R.D. Blandford, L.V.E. Koopmans, P.J. Marshall, & G. Meylan, “*H0LiCOW XIII. A 2.4% measurement of H_0 from lensed quasars: 5.3-sigma tension between early and late-Universe probes*,” *Monthly Notices of Royal Astronomical Society*, 498, 1420-1439 (2020) [C.0]
144. R. Makiya, C. Hikage, & **E. Komatsu**, “*New constraints on the mass bias of galaxy clusters from the power spectra of the thermal Sunyaev-Zeldovich effect and cosmic shear*,” *Publications of the Astronomical Society of Japan*, 72, 26 (2020 April) [B.0]
145. I. Jee, S.H. Suyu, **E. Komatsu**, C.D. Fassnacht, S. Hilbert, & L.V.E. Koopmans, “*A measurement of the Hubble constant from angular diameter distances to two gravitational lenses*,” *Science*, 365, 1134 (2019 September 13) [B.0]
146. T. Inoue, **E. Komatsu**, W. Aoki, T. Chiba, T. Misawa, & T. Usuda, “*The effect of our local motion on the Sandage-Loeb test of the cosmic expansion*,” *Publications of the Astronomical Society of Japan*, 72, L1 (2020 February) [A.0]

147. T. Sunayama, M. Takada, M. Reinecke, R. Makiya, T. Nishimichi, **E. Komatsu**, S. Saito, N. Tamura, & K. Yabe, “*Mitigating the impact of fiber assignment on clustering measurements from deep galaxy redshift surveys*,” *Journal of Cosmology and Astroparticle Physics*, 06, 057 (2020 June 25) [B.0]
148. T. Kitayama, S. Ueda, T. Akahori, **E. Komatsu**, R. Kawabe, K. Kohno, S. Takakuwa, M. Takizawa, T. Tsutsumi, & K. Yoshikawa, “*Deeply cooled core of the Phoenix galaxy cluster imaged by ALMA with the Sunyaev-Zeldovich effect*,” *Publications of the Astronomical Society of Japan*, 72, 33 (2020 April) [B.0]
149. I. Wolfson, A. Maleknejad, & **E. Komatsu**, “*How attractive is the isotropic attractor solution of axion-SU(2) inflation?*,” *Journal of Cosmology and Astroparticle Physics*, 09, 047 (2020 September 24) [B.0]
150. L. Mirzaghali, **E. Komatsu**, K.D. Lozanov, & Y. Watanabe, “*Effects of gravitational Chern-Simons during axion-SU(2) inflation*,” *Journal of Cosmology and Astroparticle Physics*, 06, 024 (2020 June 11) [B.0]
151. Y.-K. Chiang, R. Makiya, B. Ménard & **E. Komatsu**, “*The cosmic thermal history probed by Sunyaev-Zeldovich effect tomography*,” *Astrophysical Journal*, 902, 56 (2020 October 10) [B.0]
152. Y. Minami & **E. Komatsu**, “*Simultaneous determination of the cosmic birefringence and miscalibrated polarization angles II: Including cross frequency spectra*,” *Progress of Theoretical and Experimental Physics*, 103E02 (2020 October 24) [B.0]
153. Y. Minami & **E. Komatsu**, “*New extraction of the cosmic birefringence from the Planck 2018 polarization data*,” *Physical Review Letters*, 125, 221301 (2020 November 23) [A.0]
154. P. Campeti, **E. Komatsu**, D. Poletti & C. Baccigalupi, “*Measuring the spectrum of primordial gravitational waves with CMB, PTA and laser interferometers*,” *Journal of Cosmology and Astroparticle Physics*, 01, 012 (2021 January 8) [B.0]
155. Y.-K. Chiang, R. Makiya, **E. Komatsu** & B. Ménard, “*The thermal and gravitational energy densities in the large-scale structure of the Universe*,” submitted to *Astrophysical Journal*, 910, 32 (2021 March 24) [A.0]
156. R. Makiya, I. Kayo & **E. Komatsu**, “*Ray-tracing log-normal simulation for weak gravitational lensing: application to the cross-correlation with galaxies*,” *Journal of Cosmology and Astroparticle Physics*, 03, 095 (2021 March 29) [B.0]
157. G.C.-F. Chen, C.D. Fassnacht, S.H. Suyu, A. Yildirim, **E. Komatsu** & J.L. Bernal, “*TDCOSMO VI: Distance measurements in Time-delay cosmography*

- under the mass-sheet transformation,”* Astronomy and Astrophysics, 652, A7 (2021 July 30) [B.0]
158. A. Caravano, **E. Komatsu**, K. D. Lozanov & J. Weller, “*Lattice Simulations of Inflation,*” Journal of Cosmology and Astroparticle Physics, 12, 010 (2021 December 6) [B.0]
159. D.J. Farrow, A.G. Sanchez, R.Ciardullo, E.Mentuch-Cooper, D.Davis, M.Fabircius, E.Gawiser, H.S.G.Gebhardt, K.Gebhardt, G.J. Hill, D.Jeong, **E.Komatsu**, M.Landriau, C.Liu, S.Saito, J.Snigula & I.G.B. Wold, “*Correcting correlation functions for redshift-dependent interloper contamination,*” Monthly Notices of Royal Astronomical Society, 507, 3187-3206 (2021 November) [B.0]
160. I. Wolfson, A. Maleknejad, T. Murata, **E. Komatsu** & T. Kobayashi, “*The isotropic attractor solution of axion-SU(2) inflation: Universal isotropization in Bianchi type-I geometry,*” Journal of Cosmology and Astroparticle Physics, 09, 031 (2021 September 23) [C.0]
161. S. Young, **E. Komatsu** & K. Dolag, “*Testing the SZ-based tomographic approach to the thermal history of the universe with pressure-density cross-correlations: Insights from the Magneticum simulation,*” Physical Review D, 104, 083538 (2021 October 22) [A.0]
162. G. J. Hill, et al. (HETDEX Collaboration), “*The HETDEX Instrumentation: Hobby-Eberly Telescope Wide Field Upgrade and VIRUS,*” Astronomical Journal, 162, 298 (2021 December 7) [C.0]
163. K. Gebhardt, et al. (HETDEX Collaboration), “*The Hobby-Eberly Telescope Dark Energy Experiment (HETDEX) Survey Design, Reductions, and Detections,*” Astrophysical Journal, 923, 217 (2021 December 23) [B.0]
164. A. Caravano, **E. Komatsu**, K. D. Lozanov & J. Weller, “*Lattice Simulations of Abelian Gauge Fields coupled to Axion during Inflation,*” Physical Review D, 105, 123530 (2022 June 27) [B.0]
165. N. Krachmalnicoff, et a., (LiteBIRD Collaboration), “*In-flight polarization angle calibration using the CMB EB cross-correlation for LiteBIRD: blind calibration challenge and cosmological implication,*” Journal of Cosmology and Astroparticle Physics, 01, 039 (2022 January 20) [B.0]
166. K. Ishiwata, **E. Komatsu** & I. Obata, “*Axion-Gauge Field Dynamics with Backreaction,*” Journal of Cosmology and Astroparticle Physics, 03, 010 (2022 March 3) [B.0]

167. L. Herold, E. G. M. Ferreira & **E. Komatsu**, “*New Constraint on Early Dark Energy from Planck and BOSS data using the Profile Likelihood*,” *Astrophysical Journal Letters*, 929, L16 (2022 April 14) [B.0]
168. P. Diego-Palazuelos, J. R. Eskilt, Y. Minami, M. Tristram, R. M. Sullivan, A.J. Banday, R. B. Barreiro, H. K. Eriksen, K. M. Gorski, R. Keskitalo, **E. Komatsu**, E. Martinez-Gonzalez, D. Scott, P. Vielva & I.K. Wehus, “*Cosmic Birefringence from the Planck Data Release 4*,” *Physical Review Letters*, 128, 091302 (2022 March 1) [A.0]
169. P. Vielva, et al. (LiteBIRD Collaboration), “*Polarization angle requirements for CMB B-mode experiments: Application to the LiteBIRD satellite*,” *Journal of Cosmology and Astroparticle Physics*, 04, 029 (2022 April 20) [C.0]
170. **E. Komatsu**, “*New Physics from the Polarised Light of the Cosmic Microwave Background*,” *Nature Reviews Physics*, 4, 452-469 (2022 May 18) [A.0]
171. M. Lujan Niemeyer, **E. Komatsu**, et al. (HETDEX Collaboration), “*Surface Brightness Profile of Lyman-alpha Halos out to 320 kpc in HETDEX*,” *Astrophysical Journal*, 929, 90 (2022 April 15) [B.0]
172. H. Nakatsuka, T. Namikawa & **E. Komatsu**, “*Is Cosmic Birefringence due to Dark Energy or Dark Matter? A Tomographic Approach*,” *Physical Review D*, 105, 123509 (2022 June 15) [A.0]
173. P. Campeti & **E. Komatsu**, “*New Constraint on the Tensor-to-scalar Ratio from the Planck and BICEP/Keck Array Data using the Profile Likelihood*,” *Astrophysical Journal*, 941, 110 (2022 December 15) [B.0]
174. J. R. Eskilt & **E. Komatsu**, “*Improved Constraints on Cosmic Birefringence from the WMAP and Planck Cosmic Microwave Background Polarization Data*,” *Physical Review D*, 106, 063503 (2022 September 7) [B.0]
175. M. Lujan Niemeyer, et al. (HETDEX Collaboration), “*Lyman-alpha Halos around [O III]-Selected Galaxies in HETDEX*,” *Astrophysical Journal Letters*, 934, L26 (2022 August 1) [C.0]
176. CCAT-prime Collaboration, “*CCAT-prime Collaboration: Science Goals and Forecasts with Prime-Cam on the Fred Young Submillimeter Telescope*,” *Astrophysical Journal Supplementary Series*, 264, 7 (2023 January) [B.0]
177. LiteBIRD Collaboration, “*Probing Cosmic Inflation with the LiteBIRD Cosmic Microwave Background Polarization Survey*,” *Progress of Theoretical and Experimental Physics*, 2023, 042F01 (2023 April) [B.0]

178. T. Kitayama, S. Ueda, N. Okabe, T. Akahori, M. Hilton, J.P. Hughes, Y. Ichinose, K. Kohno, **E. Komatsu**, Y.-T. Lin, H. Miyatake, M. Oguri, C. Sifon, S. Takakuwa, M. Takizawa, T. Tsutsumi, J. van Marrewijk & E.J. Wollack, “*Galaxy clusters at $z\sim 1$ imaged by ALMA with the Sunyaev-Zeldovich effect*,” Publications of the Astronomical Society of Japan, 75, 311-337 (2023 April) [C.0]
179. P. Diego-Palazuelos, E. Martinez-Gonzalez, P. Vielva, R.B. Barreiro, M. Tristram, E. de la Hoz, J.R. Eskilt, Y. Minami, R.M. Sullivan, A.J. Banday, K.M. Gorski, R. Keskitalo, **E. Komatsu** & D. Scott, “*Robustness of Cosmic Birefringence Measurement against Galactic Foreground Emission and Instrumental Systematics*,” Journal of Cosmology and Astroparticle Physics, 01, 044 (2023 January 26) [B.0]
180. E. Mentuch Cooper, et al. (HETDEX Collaboration), “*HETDEX Public Source Catalog 1: 280K Sources including over 50K Lyman Alpha Emitters From an Untargeted Wide-area Spectroscopic Survey*,” Astrophysical Journal, 943, 177 (2023 February 7) [C.0]
181. D. Davis, et al., (HETDEX Collaboration), “*The HETDEX Survey: Emission Line Exploration and Source Classification*,” Astrophysical Journal, 946, 86 (2023 April 3) [C.0]
182. M. Monelli, **E. Komatsu**, A. Adler, M. Billi, P. Campeti, N. Dachlythra, A. Duivenvoorden, J. Gudmundsson & M. Reinecke, “*Impact of Half-wave Plate Systematics on the Measurement of Cosmic Birefringence from CMB Polarization*,” Journal of Cosmology and Astroparticle Physics, 03, 034 (2023 March 14) [B.0]
183. K. Murai, F. Naokawa, T. Namikawa & **E. Komatsu**, “*Isotropic Cosmic Birefringence from Early Dark Energy*,” Physical Review D, 107, L041302 (2023 February 21) [B.0]
184. A. Yildirim, S. H. Suyu, G. C.-F. Chen & **E. Komatsu**, “*TDCOSMO XIII: Cosmological distance measurements in light of the mass-sheet degeneracy - forecasts from strong lensing and IFU stellar kinematics*,” Astronomy and Astrophysics, 675, A21 (2023 July) [C.0]
185. A. Caravano, **E. Komatsu**, K. D. Lozanov & J. Weller, “*Lattice Simulations of Axion- $U(1)$ Inflation*,” Physical Review D, 108, 043504 (2023 August 3) [B.0]
186. D. Davis, et al., (HETDEX Collaboration), “*HETDEX Public Source Catalog 1: Stacking 50,000 Lyman Alpha Emitters*,” Astrophysical Journal, 954, 209 (2023 September 7) [C.0]

187. J.R. Eskilt, L. Herold, **E. Komatsu**, K. Murai, T. Namikawa & F. Naokawa, “*Constraint on Early Dark Energy from Isotropic Cosmic Birefringence*,” *Physical Review Letters*, 131, 121001 (2023 September 18) [A.0]
188. M. Lujan Niemeyer, J. Luis Bernal & **E. Komatsu**, “*SIMPLE: Simple Intensity Map Producer for Line Emission*,” *Astrophysical Journal*, 958, 4 (2023 November 7) [B.0]

Other Publications (35 articles)

1. Y. Suto, T. Kitayama, **E. Komatsu**, M. Hattori, R. Kawabe, H. Matsuo, S. Schindler & K. Yoshikawa, “*Cosmological Implications of Galaxy Clusters in X-Ray, Millimeter, and Submillimeter Bands*,” *Advances in Space Research*, 25, 771-780 (2000) [B.5]
2. **E. Komatsu**, T. Kitayama, A. Refregier, D. N. Spergel & U.-L. Pen, “*CMB Anisotropy from Spatial Correlations of Clusters of Galaxies*,” *Proceedings of the Ninth Marcel Grossmann Meeting on General Relativity*, edited by R.T. Jantzen, V. Gurzadyan & R. Ruffini, World Scientific, Singapore, pp.2189 (2002) [A.5]
3. **E. Komatsu** & D. N. Spergel, “*The Cosmic Microwave Background Bispectrum as a Test of the Physics of Inflation and Probe of the Astrophysics of the Low-redshift Universe*,” *Proceedings of the Ninth Marcel Grossmann Meeting on General Relativity*, edited by R.T. Jantzen, V. Gurzadyan & R. Ruffini, World Scientific, Singapore, pp.2009 (2002) [A.5]
4. **E. Komatsu**, “*Wilkinson Microwave Anisotropy Probe (WMAP) Constraints on Non-Gaussianity*,” *New Astronomy Reviews*, 47, 797-803 (2003) [A.4]
5. **E. Komatsu**, “*Determination of Cosmological Parameters from Wilkinson Microwave Anisotropy Probe (WMAP) Observations*,” *Proceedings of the Fourth Tegernsee International Conference on Particle Physics Beyond the Standard Model, BEYOND 2003*, Castle Ringberg, Tegernsee, Germany, edited by H.-V. Klapdor-Kleingrothaus, Springer, Germany, pp.75 (2003) [A.4]
6. **E. Komatsu**, “*The Universe as Seen by the Wilkinson Microwave Anisotropy Probe*,” *Proceedings for the Mitchell Symposium on Observational Cosmology*, edited by R.E.Allen, D.V.Nanopoulos and C.N.Pope, AIP Conference proceedings, 743, 62-76 (2004) [A.3]
7. G.J. Hill, K. Gebhardt, **E. Komatsu** & P.J. MacQueen, “*The Hobby-Eberly Telescope Dark Energy Experiment*,” *Proceedings for the Mitchell Symposium on Observational Cosmology*, edited by R.E.Allen, D.V.Nanopoulos and C.N.Pope, AIP Conference proceedings, 743, 224-233 (2004) [B.3]

8. **E. Komatsu**, “*The Universe as Seen by the Wilkinson Microwave Anisotropy Probe First Year Observations*,” Proceedings of Enrico Fermi, International School of Physics Course CLIX, “*Background Microwave Radiation and Intracluster Cosmology*,” edited by F. Melchiorri and Y. Rephaeli, Vol.159, (2004) [A.3]
9. **E. Komatsu**, “*Recent Results from the Wilkinson Microwave Anisotropy Probe*,” Proceedings of YKIS 2005, “*The Next Chapter in Einstein's Legacy*,” edited by M. Sasaki, J. Soda and T. Tanaka, Progress of Theoretical Physics Supplement Series, 163, 185-203 (2006) [A.3]
10. G. J. Hill, K. Gebhardt, **E. Komatsu**, N. Drory, P. J. MacQueen, J. Adams, G. A. Blanc, R. Koehler, M. Rafal, M. M. Roth, A. Kelz, C. Gronwall, R. Ciardullo & D. P. Schneider, “*The Hobby-Eberly Telescope Dark Energy Experiment (HETDEX): Description and Early Pilot Survey Results*,” Proceedings of “*Panoramic Views of the Universe*,” edited by T. Kodama, T. Yamada, and K. Aoki, ASP conference series, 399, 115-118 (2008) [C.3]
11. M. Zaldarriaga, L. Colombo, **E. Komatsu**, A. Lidz, M. Mortonson, S.P. Oh, E. Pierpaoli, L. Verde & O. Zahn, “*CMBPol Mission Concept Study: Reionization Science with the Cosmic Microwave Background*,” Proceedings of “*CMB Polarization Workshop: Theory and Foregrounds*,” edited by S. Dodelson, D. Baumann, A. Cooray, J. Dunkley, A. Fraisse, M.G. Jackson, A. Kogut, L. Krauss, K. Smith, & M. Zaldarriaga, AIP Conference Proceedings, 1141, 179-221 (2009) [B.2]
12. **E. Komatsu**, et al., “*Non-Gaussianity as a Probe of the Physics of the Primordial Universe and the Astrophysics of the Low Redshift Universe*,” Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no.158, arXiv:0902.4759 [A.2]
13. F. Takahashi & **E. Komatsu**, “*Gravitational Dark Matter Decay and the ATIC/PPB-BETS Excess*,” unpublished, arXiv:0901.1915 [B.2]
14. G. G. Vargas on behalf of the Fermi-LAT collaboration & **E. Komatsu**, “*Measurement of anisotropies in the large-scale diffuse gamma-ray emission*,” Proceedings of Science with the New Generation of High Energy Gamma-ray Experiments (SciNeGHE 2010), arXiv:1012.0755 [B.1]
15. J. M. Siegal-Gaskins on behalf of the Fermi-LAT collaboration & **E. Komatsu**, “*Anisotropies in the diffuse gamma-ray background measured by the Fermi-LAT*,” Proceedings of identification of Dark Matter (IDM 2010), arXiv:1012.1206 [B.1]

16. **E. Komatsu**, “*Critical Tests of Inflation as a Mechanism for Generating Observed Cosmological Fluctuations in the Universe*,” Proceedings of JGRG21 [A.1]
17. **E. Komatsu**, “*What does cosmology tell us about particle physics beyond the Standard Model?*” AIP Conference Proceedings, 1467, 151-158 (Proceedings of GUT2012, edited by Takeshi Fukuyama) [A.1]
18. T. Matsumura et al. (LiteBIRD Collaboration), “*Mission Design of LiteBIRD*,” Journal of Low Temperature Physics, 176, 733-740 (2014) [C.0]
19. T. Matsumura, et al. (LiteBIRD Collaboration), “*LiteBIRD: Mission Overview and Focal Plane Layout*,” Journal of Low Temperature Physics, 184, 824-831 (2016) [C.0]
20. N. Tamura, et al. (PFS Collaboration), “*Prime Focus Spectrograph (PFS) for the Subaru Telescope: Overview, recent progress, and future perspectives*,” Proceeding of SPIE Astronomical Telescopes and Instrumentation 2016 [C.0]
21. A. Suzuki et al. (LiteBIRD Collaboration), “*The LiteBIRD Satellite Mission - Sub-Kelvin Instrument*,” Journal of Low Temperature Physics, 193, 1048-1056 (2018 May 10) [C.0]
22. T. Hasebe et al. (LiteBIRD Collaboration), “*Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD*,” Journal of Low Temperature Physics, 193, 841-850 (2018 May 11) [C.0]
23. Y. Sekimoto et al. (LiteBIRD Collaboration), “*Concept design of the LiteBIRD satellite for CMB B-mode polarization*,” Proc. SPIE Int. Soc. Opt. Eng. 10698, 106981Y (2018 August 9) [C.0]
24. T. Mroczkowski, D. Nagai, et al., “*A high-resolution SZ view of the warm-hot universe*,” Science White Paper submitted to the Astro 2020 Decadal Survey, arXiv:1903.02595 [C.0]
25. J. Chluba, A. Kogut, S. P. Patil, et al., “*Spectral distortions of the CMB as a probe of inflation, recombination, structure formation and particle physics*,” Science White Paper submitted to the Astro 2020 Decadal Survey, arXiv:1903.04218 [C.0]
26. K. Basu, Jens Erler, et al., “*SZ spectroscopy in the coming decade: Galaxy cluster cosmology and astrophysics in the submillimeter*,” Science White Paper submitted to the Astro 2020 Decadal Survey, arXiv:1903.04944 [C.0]

27. CCAT-Prime Collaboration, "*The CCAT-Prime Submillimeter Observatory*," APC White Paper submitted to the Astro 2020 Decadal Survey, arXiv:1909.02587 [C.0]
28. M. Hazumi, et al. (LiteBIRD Collaboration), "*LiteBIRD: A Satellite for the Studies of B-Mode Polarization and Inflation from Cosmic Background Radiation Detection*," Journal of Low Temperature Physics, 194, 443-452 (2019) [C.0]
29. H. Sugai, et al. (LiteBIRD Collaboration), "*Updated design of the CMB polarization experiment satellite LiteBIRD*," Journal of Low Temperature Physics, 199, 1107-1117 (2020) [C.0]
30. Y. Watanabe & **E. Komatsu**, "*Gravitational wave from axion-SU(2) gauge fields: Effective field theory for kinetically driven inflation*," unpublished, arXiv:2004.04350 [B.0]
31. M. Hazumi et al. (LiteBIRD Collaboration), "*LiteBIRD: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization*," Proc. SPIE Int. Soc. Opt. Eng. 11443, 114432F (2020 December 21) [C.0]
32. Y. Sekimoto et al. (LiteBIRD Collaboration), "*Concept Design of Low Frequency Telescope for CMB B-mode Polarization satellite LiteBIRD*," Proc. SPIE Int. Soc. Opt. Eng. 11453, 1145310 (2020 December 16) [C.0]
33. L. Montier et al. (LiteBIRD Collaboration), "*Overview of the Medium and High Frequency Telescopes of the LiteBIRD satellite mission*," Proc. SPIE Int. Soc. Opt. Eng. 11443, 114432G (2020 December 15) [C.0]
34. P. Diego-Palazuelos, J.R. Eskilt, Y. Minami, M. Tristram, R.M. Sullivan, A.J. Banday, R.B. Barreiro, H.K. Eriksen, K.M. Gorski, R. Keskitalo, **E. Komatsu**, E. Martinez-Gonzalez, D. Scott, P. Vielva & I.K. Wehus, "*Cosmic Birefringence from Planck Public Release 4*," Contribution to the 2022 Cosmology session of the 56th Rencontres de Moriond, arXiv:2203.04830 [B.0]
35. E. Di Valentino et al., "*Cosmology Intertwined: A Review of the Particle Physics, Astrophysics, and Cosmology Associated with the Cosmological Tensions and Anomalies*," Journal of High Energy Astrophysics, 34, 49-211 (2022 June) [C.0]
36. J. Hubmayr et al. (LiteBIRD Collaboration), "*Optical Characterization of OMT-Coupled TES Bolometers for LiteBIRD*," Journal of Low Temperature Physics, 209, 396-408 (2022 September 5) [C.0]

Book Chapters

1. **E. Komatsu**, “*Cosmic Microwave Background Radiation*” (written in Japanese), Chapter 1 of 「宇宙を見る新しい目 (*New Eyes for the Universe*)」, eds. the Physical Society of Japan, Nippon Hyoron Sha (2004) [A.3]
2. **E. Komatsu**, “*Cosmic Microwave Background Radiation*” (written in Japanese), Chapter 4 of 「宇宙論 II (*Cosmology II*)」, eds. T. Futamase, M. Chiba and S. Ikeuchi, Nippon Hyoron Sha (2007) [A.3]
3. **E. Komatsu**, “*Precision cosmology and the cosmic microwave background,*” Chapter 4.4 of *General Relativity and Gravitation: A Centennial Perspective*, ed. A. Ashtekar, B.K. Beregr, J. Isenberg and M. MacCallum, Cambridge University Press (2015) [A.0]

Books

1. **E. Komatsu**, “*Weinberg’s Cosmology*” (Japanese translation of “*Cosmology*” by Steven Weinberg), Nippon Hyoron Sha (2013) [A.0]
2. **E. Komatsu** & H. Kawabata, “*The Beginning of the Universe, and an End*” (written in Japanese), Nikkei Publishing (2015) [B.0]
3. **E. Komatsu**, “*Cosmic Microwave Background Radiation*” (written in Japanese), Nippon Hyoron Sha (2019) [A.0]