

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 9, 2021: 163 papers have been published in refereed journals. The number of citations according to Astrophysics Data System (ADS; the standard and most reliable database for astrophysics research) is 63,568 and the H-index is 71. That according to INSPIRE (the standard and most reliable database for high energy physics research) is 63,924 and the H-index is 73. That according to Google Scholar is 77,500 and the H-index is 72.

Refereed Journal Articles (164 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]
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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]
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