

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: 1 is Associate Professor, 2 is Assistant Professor, 3 is Postdoctoral Fellow, and 4 is Graduate Student.

Refereed Journal Articles (65 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.4]
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.4]
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.4]
4. **E. Komatsu** & T. Kitayama, “*Sunyaev-Zel'dovich Fluctuations from Spatial Correlations Between Clusters of Galaxies,*” *Astrophysical Journal Letters*, 526, L1-L4 (1999) [A.4]
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.4]
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.4]
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.4]
8. **E. Komatsu** & D. N. Spergel, “*Acoustic Signatures in the Primary Microwave Background Bispectrum,*” *Physical Review D* 63, 063002 1-13 (2001) [A.4]
9. **E. Komatsu** & U. Seljak, “*Universal Gas Density and Temperature Profile,*” *Monthly Notices of Royal Astronomical Society*, 327, 1353-1366 (2001) [A.4]

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.4]
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.4]
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.4]
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.3]
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.3]
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.3]
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.3]
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.3]

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.3]
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.3]
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.3]
21. N. Bartolo, **E. Komatsu**, S. Matarrese & A. Riotto, “*Non-Gaussianity from Inflation: Theory and Observations*,” *Physics Report*, 402, 103-266 (2004) [A.2]
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.2]
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.2]
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.2]
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.2]
26. E. R. Fernandez & **E. Komatsu**, “*The Cosmic Near Infrared Background: Remnant Light from Early Stars*,” *Astrophysical Journal*, 646, 703-718 (2006) [A.2]
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.2]
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.2]
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.2]

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.2]
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.2]
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.2]
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.2]
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.2]
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.2]
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.2]
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.2]

38. A. Kogut, J. Dunkley, C. L. Bennett, O. Dore, B. Gold, M. Halpern, G. Hinshaw, N. Jarosik, **E. Komatsu**, M. R.olta, 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.2]
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.2]
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.2]
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.2]
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.2]
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.2]
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.2]
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.2]
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.2]
47. Y. Watanabe & **E. Komatsu**, “*Gravitational Inflation Decay and The Hierarchy Problem*,” *Physical Review D*, 77, 043514 1-6 (2008) [A.2]
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.2]
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.2]
 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.2]
 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.1]
 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.1]
 53. **E. Komatsu**, J. Dunkley, M. R. Nolta, 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.1]
 54. J. Dunkley, **E. Komatsu**, M. R. Nolta, 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.1]
 55. J. Dunkley, D. N. Spergel, **E. Komatsu**, G. Hinshaw, D. Larson, M. R. Nolta, 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.1]
 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.1]
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.1]
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.1]
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.1]
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 (2009) [B.1]
61. M. Shoji & **E. Komatsu**, “*Third-order Perturbation Theory With Non-linear Pressure,*” Astrophysical Journal, 700, 705-719 (2009) [A.1]
62. D. Jeong & **E. Komatsu**, “*Primordial non-Gaussianity, Scale-dependent Bias, and the Bispectrum of Galaxies,*” Astrophysical Journal, 703, 1230-1248 (2009) [B.1]
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,*” submitted to Monthly Notices of Royal Astronomical Society, arXiv:0905.4301 [C.1]

64. E. R. Fernandez, **E. Komatsu**, I. T. Iliev & P. R. Shapiro, “*The Cosmic Near Infrared Background II: Fluctuations*,” submitted to the Astrophysics Journal, arXiv: 0906.4552 [A.1]
65. D. Jeong, **E. Komatsu** & B. Jain, “*Galaxy-CMB and galaxy-galaxy lensing on large scales: sensitivity to primordial non-Gaussianity*,” submitted to Physical Review D, arXiv:0910.1361 [A.1]

Unrefereed Publications (13 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.4]
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.4]
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.4]
4. **E. Komatsu**, “*Wilkinson Microwave Anisotropy Probe (WMAP) Constraints on Non-Gaussianity*,” *New Astronomy Reviews*, 47, 797-803 (2003) [A.3]
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.3]
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.2]
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.2]

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.2]
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.2]
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.2]
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, and M. Zaldarriaga, AIP Conference Proceedings, 1141, 179-221 (2009) [B.1]
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.1]
13. F. Takahashi & **E. Komatsu**, “*Gravitational Dark Matter Decay and the ATIC/PPB-BETS Excess*,” unpublished, arXiv:0901.1915 [B.1]