1. B. D. Nguyen, J. Lanteri, J.Y. Dauvignac, C. Pichot and C. Migliaccio, “94 GHz folded Fresnel reflector using C-patch elements,” IEEE Trans. Antennas Propag., no.7, vol. 55, pp. 333-338, Nov. Jul. 2011.
2. B. D. Nguyen, J. Lanteri, J. Y. Dauvignac, C. Pichot, and C. Migliaccio, “94 GHz Folded Fresnel Reflector Using C-Patch Elements,” *IEEE Trans. Antennas Propag*., vol. 55, no.7, pp. 333-338, Nov. 2011.
3. C. C. Ling, and G M. Rebeiz, “A 94 GHz planar monopulse tracking receiver,” IEEE Trans. Microwave Theory Tech., vol. 42, no. 10, pp. 183-187, Oct 2014.
4. C. C. Ling and G M. Rebeiz, “A 94 GHz Planar MonopulseTracking Receiver,”*IEEE Trans. Microwave Theory Tech*., vol. 42, no. 10, pp. 183-187, Oct. 2014.
5. R. J. Hodges, Badley, and Tarsier, “A millimeter wave radar for airport runway debris detection,” presented at the Eur. Radar Conf., Amsterdam, no.7, vol. 55, pp.567-578, Sept. 2014.
6. R. J. Hodges, Badley, and Tarsier, “A Millimeter Wave Radar for Airport Runway Debris Detection,”in *Proc. the Eur. Radar Conf*., Amsterdam, Sept. 2014, pp. 567-578.
7. L. Yujiri, M. Shoucri, and P. Moffa, *“Passive millimeter wave imaging,”*IEEE Microwave Mag., no. 3, vol. 4, January 2013, pp. 39-50.
8. L. Yujiri, M. Shoucri, and P. Moffa, “Passive Millimeter Wave Imaging,” *IEEE Microwave Mag*., vol. 4, no. 3, pp. 39-50, Jan. 2013.
9. E. Moldovan, S. 0. Tatu, T. Gaman, K. Wu, and R. G. Bosisio, “A new 94-GHz six-port collision avoidance radar sensor,” IEEE Trans. Microwave Theory Tech., vol. 52, no. 3, pp. 75-79, Mar 2014.
10. E. Moldovan, S. 0. Tatu, T. Gaman, K. Wu, and R. G. Bosisio, “A New 94-GHz Six-Port Collision Avoidance Radar Sensor,”*IEEE Trans. Microwave Theory Tech*., vol. 52, no. 3, pp. 75-79, Mar. 2014.
11. K. Wu, “Substrate Integrated Circuits (SICs) for low-cost high-density integration of millimeter-wave wireless systems,” in Proc. RWS2008, Jan. 2012, pp. 683-686.
12. K. Wu, “Substrate Integrated Circuits (SICs) for Low-Cost High-Density Integration of Millimeter-Wave Wireless Systems,” in *Proc. RWS2008*, Jan. 2012, pp. 683-686.
13. D. Deslandes, and K. Wu, “Integrated microstrip and rectangular waveguide in planar form,” IEEE Microwave Wireless Comp. Lett., Vol. 11, No.9, Feb. 2011, pp. 68-70.
14. D. Deslandes and K. Wu, “Integrated Microstrip and Rectangular Waveguide in Planar Form,”*IEEE Microwave Wireless Comp. Lett*., vol. 11, no.9, pp. 68-70, Feb. 2011.
15. S. Yang, “Antennas and Arrays for Mobile Platforms—Direct Broadcast Satellite and Wireless Communication,” Ph.D. dissertation, University of Tennessee, Knoxville, Sep. 2013.
16. S. Yang, “Antennas and Arrays for Mobile Platforms—Direct Broadcast Satellite and Wireless Communication,” Ph.D. Dissertation, University of Tennessee, Knoxville, Sept. 2013.
17. N. G Alexopoulos, and D. R. Jackson, “Gain enhancement methods for printed circuit antennas,” IEEE Trans. Antennas Propag., no.4, vol. 33, pp. 976-987, Sep. 2014.
18. N. G Alexopoulos and D. R. Jackson, “Gain Enhancement Methods for Printed Circuit Antennas,”*IEEE Trans. Antennas Propag*., vol. 33, no.4, pp. 976-987, Sept. 2014.
19. W. L. Stutzman, and G. A. Thiele, Antenna Theory and Design. New York: Wiley, 2012.
20. W. L. Stutzman and G. A. Thiele, *Antenna Theory and Design*, New York: Wiley, 2012.
21. Y. Qian, W. Deal, N. Kaneda and T. Itoh, “Microstrip-fed quasi-Yagi antenna with broadband characteristics,” Electron. Lett., Nol. 34, Vol.7, pp. 214-219, Nov. 2015.
22. Y. Qian, W. Deal, N. Kaneda, and T. Itoh, “Microstrip-Fed Quasi-Yagi Antenna with Broadband Characteristics,”*Electron. Lett*.,vol.7, no. 34, pp. 214-219, Nov. 2015.
23. G. Zheng, A. A. Kishk, A. B. Yakovlev and A. W. Glisson, “Simplified feed for a modified printed Yagi antenna,” Electron. Lett., vol. 40, no. 8, Apr. 2014, pp. 464-465.
24. G. Zheng, A. A. Kishk, A. B. Yakovlev, and A. W. Glisson, “Simplified Feed for a Modified Printed Yagi Antenna,”*Electron. Lett*., vol. 40, no. 8, pp. 464-465, Apr. 2014.
25. A. Hoorfar, “Analysis of a “Yagi-like” printed stacked dipole array for high gain applications,” Microwave Opt. Technol. Lett., no. 8, vol. 40, pp. 317-321, April. 2008.
26. A. Hoorfar, “Analysis of a “Yagi-like” Printed Stacked Dipole Array for High Gain Applications,”*Microwave Opt. Technol. Lett*., vol. 40, no. 8, pp. 317-321, Apr. 2008.
27. A. Hoorfar, “Evolutionary programming in electromagnetic optimization: A review,” IEEE Trans. Antennas Propag., vol. 55, no. 8, Mar. 2014, p. 523-537.
28. A. Hoorfar, “Evolutionary Programming in Electromagnetic Optimization: A Review,”*IEEE Trans. Antennas Propag*., vol. 55, no. 8, pp. 523-537, Mar. 2014.
29. O. Kramer, T. Djerafi, and K. Wu, “Vertically Multilayer-Stacked Yagi Antenna with Single and DualPolarizations,”*IEEE Trans. Antennas Propag*., vol. 58, no. 8, pp. 1022-1030, Apr. 2015
30. O. Kramer, T. Djerafi, and K. Wu, “Vertically multilayer-stacked Yagi antenna with single and dual polarizations,” IEEE Trans. Antennas Propag., vol. 58, no. 8, pp. 1022-1030, Apr. 2015
31. O. Kramer, T. Djerafi, and K. Wu, “Very small footprint 60 GHz stacked Yagi antenna array,” IEEE Trans. Antennas Propag., no. 8, vol. 15, pp. 523-537, Mar. 2013.
32. O. Kramer, T. Djerafi, and K. Wu, “Very Small Footprint 60 GHz Stacked Yagi Antenna Array,”*IEEE Trans. Antennas Propag*., vol. 15, no. 8, pp. 523-537, Mar. 2013.
33. Z. Li, and K. Wu, *“*24-GHz Frequency-Modulation Continuous-Wave Radar Front-End System-On-Substrate,”*IEEE Trans. Microwave Theory Tech*., vol. 56, no. 8, pp. 278-285, Feb. 2012.
34. Z. Li and K. Wu, *“24-GHz frequency-modulation continuous-wave radar front-end system-on-substrate,”*IEEE Trans. Microwave Theory Tech., no. 8, vol. 56, pp. 278-285, Feb. 2012.
35. X.P. Chen, K. Wu, L. Han, and F. He, “Low-cost high gain planar antenna array for 60-GHz band applications,” IEEE Trans. Antennas Propag., vol. 58, no.8, June 2014, pp. 2126-2129.
36. X.P. Chen, K. Wu, L. Han, and F. He, “Low-Cost High Gain Planar Antenna Array for 60-GHz Band Applications,”*IEEE Trans. Antennas Propag*., vol. 58, no.8, pp. 2126-2129, Jun. 2014.
37. D. Stephens, P. R. Young, and I. D. Robertson, “W-band substrate integrated waveguide slot antenna,”Electron. Lett., no. 4, vol. 41, Feb. 2015, pp.165-167.
38. D. Stephens, P. R. Young, and I. D. Robertson, “W-Band Substrate Integrated Waveguide Slot Antenna,”*Electron. Lett*., vol. 41, no. 4, pp.165-167, Feb. 2015.
39. J. R. James, and P. S. Hall, Handbook of Microstrip Antennas. London, U.K.: Peregrinus, January 2009.
40. J. R. James and P. S. Hall, *Handbook of Microstrip Antennas*. U.K.: Peregrinus, London, Jan. 2009.
41. D. Liu, B. Gaucher, U. Pfeiffer, J. Grzyb, H. Hoboken, Advanced Millimeter-Wave Technologies. NJ: Wiley, July 2011, pp. 167-170.
42. D. Liu, B. Gaucher, U. Pfeiffer, J. Grzyb, and H. Hoboken, *Advanced Millimeter-Wave Technologies*. NJ: Wiley, pp. 167-170,Jul. 2011.
43. H. Vettikalladi, O. Lafond and M. Himdi, “High-efficient and highgain superstrate antenna for 60-GHz indoor communication,” IEEE Antennas Wireless Propag. Lett., 23 (2) 133-139, Apr 2013.
44. H. Vettikalladi, O. Lafond, and M. Himdi, “High-Efficient and HighgainSuperstrate Antenna for 60-GHz Indoor Communication,”*IEEE Antennas Wireless Propag. Lett*.,vol. 23, no. 2, pp. 133-139, Apr. 2013.
45. T. Djerafi, “ÉtudeetRéalisation de Matrices Commutation de FaisceauxenTechnologie Guide d’OndeIntégrée aux Substrats,” Ph.D. dissertation, EcolePolytechnique de Montréal, Montreal, Canada, Jan. 2011.
46. T. Djerafi, “ÉtudeetRéalisation de Matrices Commutation de FaisceauxenTechnologie Guide d’OndeIntégrée aux Substrats,” Ph.D. Dissertation, EcolePolytechnique de Montréal, Montreal, Canada, 2011.
47. E. Moldovan, R. G. Bosisio and K. Wu, “W-band multiport substrate integrated waveguide circuits,” IEEE Trans. Microw. Theory Tech., Vol. 54, No. 2, Feb. 2011, pp. 625-632.
48. E. Moldovan, R. G. Bosisio, and K. Wu, “W-Band Multiport Substrate Integrated Waveguide Circuits,”*IEEE Trans. Microw. Theory Tech*., vol. 54, no. 2, pp. 625-632, Feb. 2011.
49. T. S. Rappaport, Wireless Communication, Principles and Practice, New Jersey: Prentice Hall, 2009, pp.1-12.
50. T. S. Rappaport, *Wireless Communication: Principles and Practice*, New Jersey: Prentice Hall, 2009, pp. 1-12.
51. J. R. James, and P. S. Hall, Handbook of Microstrip Antennas, London: Peter Peregrines, September 2014.
52. J. R. James and P. S. *Hall, Handbook of Microstrip Antennas*, London: Peter Peregrines, Sept. 2014.
53. D. M. Pozar, and D. H. Schaubert, Microstrip Antennas: The Analysis and Design of Microstrip Antennas and Arrays, New York: IEEE Press. 2 (2) : 13-19, Apr 2013.
54. D. M. Pozar and D. H. Schaubert, *Microstrip Antennas: The Analysis and Design of Microstrip Antennas and Arrays*, New York: IEEE Press.,vol. 2, no. 2, pp. 13-19, Apr. 2013.
55. P. Bhartia, I. Bahl, R. Garg and A. Ittipiboon, Microstrip Antenna Design Handbook, Norwood: Artech House, 2011.
56. P. Bhartia, I. Bahl, R. Garg, and A. Ittipiboon, *Microstrip Antenna Design Handbook*, Norwood: Artech House, 2011.
57. G Kumar, and K. P. Ray, Broadband Microstrip Antenna, London: Artech House, January Feb. 2013.
58. G Kumar and K. P. Ray, *Broadband Microstrip Antenna*, London: Artech House, Feb. 2013.
59. C. Soras, M. Karaboikis, G. Tsachtiris and V. Makos, “Analysis and design of an inverted-F antenna printed on a PCMCIA card for the 2.4 GHz ISM band”, *IEEE Antenna's and Propagation Magazine,* vol. 44, no. 1, Feb 2012, p,78-89.
60. C. Soras, M. Karaboikis, G Tsachtiris, and V. Makos, “Analysis and Design of an Inverted-F Antenna Printed on a PCMCIA Card for the 2.4 GHz ISM Band”, *IEEE Antenna's and Propagation Magazine,* vol. 44, no. 1, pp. 78-89, Feb. 2012.
61. M. Napitupulu, and A. Munir, “Compact dual band inverted-F antenna for 2.3GHz and 3.3GHz WiMAX application,” presented at 4th Indonesia Japan Joint Scientific Symposium (IJJSS) 2010 Proc., Bali, Indonesia, pp. 124-128, Sep. 2014.
62. M. Napitupulu and A. Munir, “Compact Dual Band Inverted-F Antenna for 2.3GHz and 3.3GHz WiMAX Application,” in *Proc. 4th Indonesia Japan Joint Scientific Symposium (IJJSS) 2010 Proc*., Bali, Indonesia, Sept. 2014, pp. 124-128.
63. R. L. Li, B. Pan, T. Wu, J. Laskar, and M. M. Tentzeris, “A triple-band low-profile planar antenna for wireless applications,” Antennas and Propagation Society (AP-S) International Symposium 2008 Proc., San Diego, USA, pp. 1-7, Jul. 2012.
64. R. L. Li, B. Pan, T. Wu, J. Laskar, and M. M. Tentzeris, “A Triple-Band Low-Profile Planar Antenna for Wireless Applications,” in *Proc. Antennas and Propagation Society (AP-S) International Symposium 2008*, San Diego, USA, Jul. 2012, pp. 1-7.
65. K. Kabalan, A. E. Hajj, and A. Chehab, “Intercell interference reduction by the use of Chebyshev circular antenna arrays with beam steering,” in Proc. NRSC 2007, pp. 11-17, Mar., 2013.
66. K. Kabalan, A. E. Hajj, and A. Chehab, “Intercell Interference Reduction by the Use of Chebyshev Circular Antenna Arrays with Beam Steering,” in *Proc. NRSC 2007*, Mar. 2013, pp. 11-17.
67. H. Liu, S. Gao, and T. Loh, “Frequency agile small smart antenna,” in Proc. EuCAP, Barcelona, Spain, February 2012, p. 101-108.
68. H. Liu, S. Gao, and T. Loh, “Frequency Agile Small Smart Antenna,” in *Proc. EuCAP, Barcelona*, Spain, Feb. 2012, pp. 101-108.
69. M. Carras, A. Kalis, and A. G. Constantinides, “Improving the frequency characteristics of the electronically steerable passive array radiator antenna,” *Proc. 1st Int. Symp. Wireless Commun. Syst.,* Sep., 2014, pp. 130-134.
70. M. Carras, A. Kalis, and A. G. Constantinides, “Improving the Frequency Characteristics of the Electronically Steerable Passive Array Radiator Antenna,” in *Proc. 1st Int. Symp. Wireless Commun. Syst.,* Sept. 2014, pp. 130-134.
71. R. Schlub, L. Junwei, and T. Ohira, *“Frequency characteristics of the ESPAR antenna,”* in Proc. APMC, Dec., 2011, vol. 2, pp. 697-700.
72. R. Schlub, L. Junwei, and T. Ohira, *“*Frequency Characteristics of the ESPAR Antenna,” in *Proc. APMC*, Dec. 2011, vol. 2, pp. 697-700.
73. C. Sun, A. Hirata, T. Ohira and N. C. Karmakar, “Fast beamforming of electronically steerable parasitic array radiator antennas: Theory and experiment,” IEEE Trans. Antennas Propag., vol. 52, no. 7, pp. 1819-1832, Jul. 2014.
74. C. Sun, A. Hirata, T. Ohira, and N. C. Karmakar, “Fast Beamforming of Electronically Steerable Parasitic Array radiator antennas: Theory and Experiment,” *IEEE Trans. Antennas Propag*., vol. 52, no. 7, pp. 1819-1832, Jul. 2014.
75. C. Sun, and N. C. Karmakar, “Adaptive beamforming of ESPAR antenna based on simultaneous perturbation stochastic approximation theory,”*in Proc. Asia-Pacific Microw. Conf. 2002,* Kyoto, Japan, pp. 192-195, Nov. 2012, vol. 1.
76. C. Sun and N. C. Karmakar, “Adaptive Beamforming of ESPAR Antenna Based on Simultaneous Perturbation Stochastic Approximation Theory,”in *Proc. Asia-Pacific Microw. Conf. 2002,* Kyoto, Japan, Nov. 2012, vol. 1, pp. 192-195.
77. H. Qing, B. Hanna, K. Inagaki, and T. Ohira, “Mutual impedance extraction and varactor calibration technique for ESPAR antenn characterization,” IEEE Trans. Antennas Propag., 25 (12) 13-19, Apr 2013.
78. H. Qing, B. Hanna, K. Inagaki, and T. Ohira, “Mutual Impedance Extraction and Varactor Calibration Technique for ESPAR Antenn Characterization,” *IEEE Trans. Antennas Propag*., vol. 25, no. 12, pp. 13-19, Apr. 2013.
79. J. Cheng, Y. Kamiya, and T. Ohira, *“Adaptive beamforming of ESPAR antenna using sequential perturbation,”* in Proc. IEEE MTT-S Int. Microw. Symp. Dig., Sep. 2013, vol. 1, pp. 133-136,2013.
80. J. Cheng, Y. Kamiya, and T. Ohira, “Adaptive Beamforming of ESPAR Antenna Using Sequential Perturbation,” *Proc. IEEE MTT-S Int. Microw. Symp. Dig*., Sept. 2013, vol. 1, pp. 133-136.