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所有發表期刊論文

Journal articles & book chapters:

1. Yi-Chyun Chiou, Cho-Yuh Wu and Jen-Tsai Kuo “New miniaturized dual-mode dual-band ring resonator bandpass filter with microwave *C*-sections,” To appear on the *IEEE Microwave Wireless Compon. Lett.*, Feb. 2010. (ATU, NSC 97-2221-E-009-039, NSC 98-2218-E-009-011)
2. Yi-Chyun Chiou, **Jen-Tsai Kuo** and Hsuan-Rong Lee, “Analysis and design of compact symmetric four-port crossover junction,” *IEEE Microwave Wireless Compon. Lett.* vol. 19, no. 9, pp. 545-547, Sep. 2009. (ATU, NSC 97-2221-E-009-039, NSC 98-2218-E-009-011)
3. Yi-Chyun Chiou, Cheng-Hsiu Tsai, and **Jen-Tsai Kuo**, “Comments on “A symmetrical four-port microstrip coupler for crossover application”,” *IEEE Trans. Microwave Theory Tech.*, vol. MTT-57, no. 7, pp. 1859-1860, Jul. 2009. (ATU, NSC 97-2221-E-009-039, NSC 98-2218-E-009-011)
4. **Jen-Tsai Kuo** and Huei-Ping Lin, “Dual-band bandpass filter with improved performance in extended upper rejection band,” *IEEE Trans. Microwave Theory Tech.*, vol. MTT-57, no. 4, pp. 824-829, Apr. 2009. (NSC 95-2213-E-009-037-MY2, NSC 96-2221-E-009-245).
5. Ching-Luh Hsu, **Jen-Tsai Kuo** and Chin-Wei Chang, “Miniaturized dual-band hybrid couplers with two arbitrary power division ratios,” *IEEE Trans. Microwave Theory Tech.*, vol. MTT-57, no. 1, pp. 149-156, Jan. 2009. (NSC 95-2213-E-009-037-MY2).
6. **Jen-Tsai Kuo** and Hsin-Ying Lee, “Improved accuracy factors for the nonuniform fast Fourier transform (NUFFT) algorithm,” *IEEE Microwave Wireless Compon. Lett.*, vol. 19, no. 1, pp. 3-5, Jan. 2009. (ATU, NSC 95-2213-E-009-037-MY2, 96-2221-E-009-245).
7. Hao-Hui Chen, Huai-Wen Zhang, Shyh-Jong Chung, **Jen-Tsai Kuo**, and Tzung-Chi Wu, “Accurate systematic model parameter extraction for on-chip spiral inductors,” *IEEE Trans. Electronics Devices*, vol. 55, no. 11, pp. 3267-3273, Nov. 2008. (MoE)
8. Kuo-Sheng Chin, Yi-Chyun Chiou and **Jen-Tsai Kuo**, “New synthesis of parallel-coupled line bandpass filters with Chebyshev responses,” *IEEE Trans. Microwave Theory Tech.*, vol. MTT-56, no. 7, pp. 1516-1523, Jul. 2008. (NSC 95-2213-E-009-037-MY2, 96-2752-E-009-003-PAE).
9. U-Hou Lok, Yi-Chyun Chiou, and **Jen-Tsai Kuo**, “Quadruple-mode coupled-ring resonator bandpass filter with quasi-elliptic function passband,” *IEEE Microwave Wireless Compon. Lett.*, vol. 18, no. 3, pp. 179-181, Mar. 2008. (NSC 95-2213-E-009-037-MY2, 96-2752-E-009-003-PAE).
10. Yi-Chyun Chiou, **Jen-Tsai Kuo** and Juo-Shiuan Wu, "Miniaturized dual-mode ring resonator bandpass filter with microstrip-to-CPW broadside-coupled structure," *IEEE Microwave*

Wireless Compon. Lett., vol. 18, no. 2, pp. 97-99, Feb. 2008. (NSC 95-2221-E-009-037-MY2 and NSC 95-2752-E-009-003-PAE).

11. Yi-Chyun Chiou and **Jen-Tsai Kuo**, "Comment on "Compact UWB bandpass filter using stub-loaded multi-mode resonator,"" *IEEE Microwave Wireless Compon. Lett.*, vol. 17, no. 11, p. 811, Nov. 2007. (NSC 95-2221-E-009-037-MY2 and NSC 95-2752-E-009-003-PAE).
12. **Jen-Tsai Kuo**, Ching-Luh Hsu and Eric Shih, "Compact planar quasi-elliptic function filter with in-line stepped-impedance resonators," *IEEE Trans. Microwave Theory Tech.*, vol. MTT-55, no. 8, pp. 1747-1755, Aug. 2007. (NSC 95-2221-E-009-037-MY2 and NSC 95-2752-E-009-003-PAE).
13. Kuo-Sheng Chin, Yi-Chyun Chiang, and **Jen-Tsai Kuo**, "Single microstrip open-loop resonator bandpass filter with sharp transition and multi-spurious suppression," *IEEE Microwave Wireless Compon. Lett.*, vol. 17, no. 8, pp. 574-576, Aug. 2007.
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15. **Jen-Tsai Kuo**, Juo-Shiuan Wu, and Yi-Chyun Chiou, "Miniaturized rat race coupler with suppression of spurious passband," *IEEE Microwave Wireless Compon. Lett.*, vol. 17, no. 1, pp. 46-48, Jan. 2007. (NSC 94-2213-E-009-073 and NSC 94-2752-E-009-003-PAE.)
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