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Selected Publications:

Chih-Ping Wu, Jiann-Quo Tarn and Shu-Man Chi, "An asymptotic theory for dynamic response of doubly curved laminated shells", *International Journal of Solids and Structures*, Vol. 33, No. 26, November 1996, pp.3813-3841

Chih-Ping Wu, Jiann-Quo Tarn and Shi-Chang Tang, "A refined asymptotic theory for dynamic analysis of doubly curved laminated shells", *International Journal of Solids and Structures*, Vol. 35, No. 16, June 1998, pp.1953-1979

Chih-Ping Wu and Chih-Wei Chen, "Elastic buckling of multilayered anisotropic conical shells", *ASCE Journal of Aerospace Engineering*, Vol. 14, No. 1, 2001, pp. 29-36

Chih-Ping Wu and Shih-Jung Chiu, "Thermoelastic Buckling of Laminated Composite Conical Shells", *Journal of Thermal Stresses*, Vol. 24, No. 9, 2001, pp. 881 – 901

Chih-Ping Wu, Yu-Chang Hung and Jyh-Yeuan Lo, "A refined asymptotic theory of laminated circular conical shells", *European Journal of Mechanics - A/Solids*, Vol. 21, No. 2, 2002, pp. 281-300

Chih-Ping Wu and Shih-Jung Chiu, "Thermally induced dynamic instability of laminated composite conical shells", *International Journal of Solids and Structures*, Vol. 39, No. 11, June 2002, pp. 3001-3021

- Wu, C.P.; Chi, Y.W., "A refined asymptotic theory for the nonlinear analysis of laminated cylindrical shells", *Computers, Materials, & Continua*; vol : 1, no : , pp : 337- 352 (SCI 2004)
- Wu, C.P.; Tsai, Y.H., "Asymptotic DQ solutions of functionally graded annular spherical shells", *European Journal of Mechanics A/Solids*; vol : 23, no : 2, pp : 283- 299 (SCI 2004)
- Wu, C.P.; Lo, J.Y.; Chao, J.K., "A three-dimensional asymptotic theory of laminated piezoelectric shells", *Computers, Materials, & Continua*; vol : 2, no : 2, pp : 119- 137 (SCI 2005)
- Wu, C.P.; Lo, J.Y., "An asymptotic theory for dynamic response of laminated piezoelectric shells", *Acta Mechanica*; vol : 183, no : , pp : 177- 208 (SCI & EI 2006)[
- Tsai, Y.W.; Wu, C.P.; Syu, Y.S., "Three-dimensional analysis of doubly curved functionally graded magneto-electro-elastic shells", *European Journal of Mechanics A/Solids*; vol : 27, no : 1, pp : 79- 105 (SCI & EI 2008)
- Tsai, Y.H.; Wu, C.P., "Dynamic responses of functionally graded magneto-electro-elastic shells with open-circuit surface conditions", *International Journal of Engineering Science*; vol : 46, no : 9, pp : 843- 857 (SCI & EI 2008)
- Wu, C.P.; Chiu, K.H.; Wang, Y.M., "A mesh-free DRK-based collocation method for the coupled analysis of functionally graded magneto-electro-elastic shells and plates", *Computer Modeling in Engineering & Sciences*; vol : 35, no : 3, pp : 181- 214 (SCI 2008)
- Wu, C.P.; Chiu, K.H.; Wang, Y.M., "A review on the three-dimensional analytical approaches of multilayered and functionally graded piezoelectric plates and shells", *Computers, Materials, & Continua*; vol : 18, no : 2, pp : 93- 132 (SCI 2008)
- Wu, C.P.; Lu, Y.C., "A modified Pagano method for the 3D dynamic responses of functionally graded magneto-electro-elastic plates", *Composite Structures*; vol : 90, no : 3, pp : 363- 372 (SCI 2009)
- Wu, C.P.; Tsai, Y.W., "Cylindrical bending vibration of functionally graded piezoelectric shells using the method of perturbation", *Journal of Engineering Mathematics*; vol : 63, no : 1, pp : 95- 119 (SCI & EI 2009)
- Wu, C.P.; Tsai, Y.H., "Dynamic responses of functionally graded magneto-electro-elastic shells with closed-circuit surface conditions using the method of multiple scales", *European Journal of Mechanics A/Solids*; vol : 29, no : , pp : 166- 181 (SCI 2010)[
- Wu, C.P.; Yang, S.W., "A semi-analytical element-free Galerkin method for the 3D free vibration analysis of multilayered FGM circular hollow cylinders", *Journal of Intelligent Material Systems and Structures*; vol : 22, no : , pp : 1993- 2007 (SCI 2011)
- Wu, C.P.; Chiu, K.H., "RMVT-based meshless collocation and element-free Galerkin methods for the quasi-3D free vibration analysis of multilayered composite and FGM plates", *Composite Structures*; vol : 93, no : , pp : 1433- 1448 (SCI 2011)

Wu, C.P.; Chen, Y.C.; Peng, S.T., "Buckling analysis of functionally graded material circular hollow cylinders under axial compression and external pressure", *Thin-Walled Structures*; vol : 69, no : , pp : 54- 66 (SCI 2013)

Wu, C.P.; Peng, S.T.; Chen, Y.C., "RMVT- and PVD-based finite cylindrical layer methods for the three-dimensional buckling analysis of multilayered FGM cylinders under axial compression", *Applied Mathematical Modelling*; vol : 38, no : , pp : 233- 252 (SCI 2014)

Wu, C.P.; Fan, T.Y.; Li, H.Y., "RMVT-based finite cylindrical layer methods for the 3D free vibration analysis of sandwich circular hollow cylinders with an embedded FGM layer", *Journal of Vibration and Control*; vol : 20, no : , pp : 1199- 1223 (SCI 2014)

Wu, C.P.; Liu, W.L., "3D buckling analysis of FGM sandwich plates under bi-axial compressive loads", *Smart Structures and Systems*; vol : 13, no : , pp : 111- 135 (SCI 2014)

Wu, C.P.; Jiang, R.Y., "A state space differential reproducing kernel method for the buckling analysis of carbon nanotube-reinforced composite circular hollow cylinders", *CMES-Computer Modeling in Engineering & Sciences*; vol : 97, no : , pp : 239- 279 (SCI 2014)

Wu, C.P.; Chang, S.K., "Stability of carbon nanotube-reinforced composite plates with surface-bonded piezoelectric layers and bi-axial compression", *Composite Structures*; vol : 111, no : , pp : 587- 601 (SCI 2014)