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EDUCATION

- Ph.D Solid Mechanics, Institute of Mechanics, Chinese Academy of Science, 2009
Dissertation title:
A physical mechanism based damage theory and behavior simulation of quasi-brittle material from damage to failure.
- M.E Structural and Mechanical Engineering Wuhan University of Technology 2001
Thesis title:
The FEM analysis and optimization of the frame of large three-roller bending machine.
- B.E Structural and Mechanical Engineering Wuhan University of Technology 1997

Awards and Honors

- Second Rank Reward of Science and Technology process 2004
in National Highway & Transportation, China.

PUBLICATIONS

1. Jing Zhang, Shailendra P. Joshi, Phenomenological Crystal Plasticity Modeling and Detailed Micromechanical Investigations of Pure Magnesium, *Journal of the Mechanics and Physics of Solids* (January 2012), doi:10.1016/j.jmps.2012.01.005.
2. Gao Siyang, Zhang Jing, Fu Qiang, Liu Fang, Mechanical principles for stiffness design of the fibrous composites and its applications. *ACTA Aeronautica ET Astronautica Sinica*, 2009.
3. Jing Zhang, Nai-gang Liang, Shou-chun Deng, Jin-xing Liu, Xiao-yu Liu, Qiang Fu. Study of the damage-induced anisotropy of quasi-brittle materials using the component assembling model, *International Journal of Damage Mechanics*, 2008(17)197-221.
4. Deng S, Liu J, Liang N, J.Zhang. Validation of component assembly model and extension to plasticity. *Theoretical and Applied Fracture Mechanics*. 2007, 47(3): 244-259.
5. Liu J, Deng S, Zhang J, Liang N. Lattice type of fracture model for concrete. *Theoretical and Applied Fracture Mechanics*. 2007, 48(3): 269-284
6. J.Zhang, S.F.Bai, H.X.Shi, S.L.Zhang, Dynamic numerical simulation and experiment for vehicle and curved concrete barriers crash. *China Journal of Highway and Transport*, 2007, 20(1):102-106.
7. Deng S, Liu J, Zhang J, Liang N. Component assembling model and its application to quasi-brittle damage. *Theoretical and Applied Fracture Mechanics*. 2006, 46(3): 232-242.

8. Zhang Jing, Zhai Pengcheng, Zhang Benyuan. Application of the penalty function combined with genetic algorithm. *Journal of Wuhan University of Technology (In Chinese)*, 2002, 22(2):56-58.
9. Zhang Jing, Zhai Pengcheng, Zhang Benyuan, Strength and stiffness analysis of the frame of large three-roller bending machine. *Journal of Wuhan University of Technology (In Chinese)*, 2001, 23(1):47-50.
10. Liu J, Deng S, Zhang J, Liang N. Beam lattice modelling for the fracture of particle composites. *Engineering Mechanics*, 2008,25(10): 33-37.(In Chinese)
11. Deng S, Liu J, Zhang J, Liang N. On the governing equations and dispersion relations of two elastic damage model. *Chinese Journal of solid mechanics*. 2008. 29(1): 29-35.