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汪焰恩

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基本信息			
姓名	汪焰恩	出生年月	1976.1
学历/学位	博士后/博士		
专业技术职务	副教授		
联系电话	13891923523		
E-mail	wangyanen@nwpu.edu.cn		



主要研究方向及内容

人工骨支架仿生设计与快速原型制造

图形图像处理

公开发表论文 (代表作)

1. Yanen Wang, Chen Yao, Framework for building web sites with Microsoft's .NET technology, Key Engineering Materials Journal, EI: 20112013982906.
2. Yanen Wang, Shengmin Wei, Xiu-tian Yan, Multiphysics Numerical Simulation on Bone Scaffolds under Fully Coupled Fluid-Solid-Thermo Model, The 2nd International Conference on Computer Modeling and Simulation (ICCMS 2010), Jan. 22~24, Sanya, China. (EI: [20101712877078](#))
3. Yanen Wang, Shengmin Wei, Xiu-tian Yan, Computer Simulation for Bone Scaffolds on Account of Fluid-Solid Coupling Model, International Forum on Computer Science-Technology and Application (IFCSTA09), Dec.25~27 2009, Chengdu, China. ([Award Grad I, Best Paper](#), IEEE conference , EI: 20101312805086)
4. Yanen Wang, Xiu-tian Yan, Error Analysis and Compensation for Development 3D Printer, 10th International Workshop on Research and Education in Mechatronics (REM2009), Sep.2009, Glasgow, UK
5. Yan-en Wang, Shengmin Wei, Xiu-tian Yan, Integrating Domain Dependent Design Tools in Optimization Design Artificial Bone Scaffolds, Lecture Notes in Computer Science, (EI: 20080411047060, INSPEC:9649954, ISTEP:ISIP 000250201800040), October, 2007
6. Yan-en Wang, Xiu-tian Yan, Shengmin Wei, Integration of Collaborative Design and Process Planning for Artificial Bone Scaffold 3D Printer Nozzle, (SCI: BFD23, EI: 20064210177551 , INSPEC:9132619), Lecture Notes in Computer Science, pp132-140, October, 2006
7. Yan-en Wang, Xiu-tian Yan, et.al, Collaborative Design and Process Planning for Artificial Bone Scaffolds 3D Printer Nozzle, CVDE 2006 (Third International Conference on Cooperative Design, Visualization and Engineering) Las Sirenas,17, 7181, (ISTP ISI:000241135500017) September 17-20, 2006, Mallorca - Cala Viñas, Spain
8. Yan-en Wang, Xiu-tian Yan, Raam, Shengmin Wei, Optimizing a Nozzle for an Artificial Bone Mechatronic 3-D Printer, MECHATRONICS 2006 (The 10th Mechatronics Forum Biennial International Conference) June 19-21, 2006, Penn State Great Valley, Malvern, PA 19355, Philadelphia, USA

9. 汪焰恩、周金华、秦琰磊, “液滴撞击固体球面行为特性的数值研究”, 震动与冲击, 2012
10. 汪焰恩、魏生民、王碧辉、闫秀天, “基于分形理论的骨支架微观形态研究”, 西北工业大学学报, Aug. 2010 (EI:20104213309503)
11. 汪焰恩、魏生民、闫秀天, “三维打印机精密升降平台传动误差分析”, 西安工业大学学报, No.6, Dec. 2009
12. 汪焰恩、魏生民、闫秀天, “基于图像法的多孔材料微观形态研究”, 西安工业大学学报, Vol. No.5, Oct. 2009
13. 汪焰恩、魏生民、肖正康, “人工骨支架多物理场耦合数值分析”, 西北工业大学学报, Vol.27, No.3, Jun. 2009 (EI:20093012214357)

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