

爆 炸 与 冲 击

BAOZHA YU CHONGJI

1981 年 7 月创刊

2022 年 9 月

第 42 卷 第 9 期

(总第 227 期)

目 次

· 材料动态本构关系专刊 ·

动态本构关系简介	郭伟国	091400
金属材料的率-温耦合响应与动态本构关系综述	袁康博, 姚小虎, 王瑞丰, 莫泳晖	091401
金属热黏塑性本构关系的研究进展	王强, 王建军, 张晓琼, 张天辉, 王怀坤, 吴桂英	091402
应力作用下 NiTi 形状记忆合金微结构演化的相场模拟及其本征应变率敏感性	席尚宾, 苏煌	091403
金属材料在复杂应力状态下的塑性流动特性及本构模型	秦彩芳, 许泽建, 窦旺, 杜雨田, 黄风雷	091404
激光选区熔化 Ti-6Al-4V 合金的动力学性能及其本构关系	朱磊, 刘洋, 孟锦晖, 李治国, 胡建波, 李国平, 王永刚	091405
修正金属本构模型在超高速撞击模拟中的应用	马坤, 李名锐, 陈春林, 沈子楷, 周刚	091406
6061-T6 铝合金动态拉伸本构关系及失效行为	周伦, 苏兴亚, 敬霖, 邓贵德, 赵隆茂	091407
混凝土类材料动态压缩强度在多维应力状态下的应变率效应	刘锋, 李庆明	091408
花岗岩 Kong-Fang 流体弹塑性损伤材料模型参数研究	聂铮玥, 丁育青, 宋江杰, 彭永, 林玉亮, 陈荣	091409
软质聚氨酯泡沫的动态压缩力学性能和本构模型	苏兴亚, 周伦, 敬霖, 邓贵德, 赵隆茂	091410
冻融循环冻土的冲击动态力学性能	李斌, 朱志武, 李涛	091411

EXPLOSION AND SHOCK WAVES

Vol. 42, No. 9, 2022 (Sum No. 227)

CONTENTS

• Special Issue for Dynamic Constitutive Relationship of Materials •

An introduction to dynamic constitutive relationship	GUO Weiguo	091400
A review on rate-temperature coupling response and dynamic constitutive relation of metallic materials	YUAN Kangbo, YAO Xiaohu, WANG Ruiheng, MO Yonghui	091401
Advances in the research of metallic thermo-viscoplastic constitutive relationships	WANG Qiang, WANG Jianjun, ZHANG Xiaoqiong, ZHANG Tianhui, WANG Huaikun, WU Guiying	091402
Phase-field simulation of microstructural dynamics in NiTi shape memory alloys and their intrinsic strain rate sensitivities	XI Shangbin, SU Yu	091403
Plastic flow properties and constitutive model of metallic materials under complex stress states	QIN Caifang, XU Zejian, DOU Wang, DU Yutian, HUANG Fenglei	091404
Dynamic mechanical properties and constitutive relationship of selective laser melted Ti-6Al-4V alloy	ZHU Lei, LIU Yang, MENG Jinhui, LI Zhiguo, HU Jianbo, LI Guoping, WANG Yonggang	091405
The application of a modified constitutive model of metals in the simulation of hypervelocity impact	MA Kun, LI Mingrui, CHEN Chunlin, SHEN Zikai, ZHOU Gang	091406
Dynamic tensile constitutive relationship and failure behavior of 6061-T6 aluminum alloy	ZHOU Lun, SU Xingya, JING Lin, DENG Guide, ZHAO Longmao	091407
Stain-rate effects on the dynamic compressive strength of concrete-like materials under multiple stress state ...	LIU Feng, LI Qingming	091408
A study of parameters of Kong-Fang fluid elastoplastic damage material model for Shandong granite	NIE Zhengyue, DING Yuqing, SONG Jiangjie, PENG Yong, LIN Yuliang, CHEN Rong	091409
Dynamic compressive mechanical properties and constitutive models of flexible polyurethane foam	SU Xingya, ZHOU Lun, JING Lin, DENG Guide, ZHAO Longmao	091410
Impact dynamic mechanical properties of frozen soil with freeze-thaw cycles	LI Bin, ZHU Zhiwu, LI Tao	091411