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Progress of Mechanochemistry in Energetic Materials

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Abstract: The origination and features of mechanochemistry and its applications and developments situation in the research field of energetic materials were introduced and discussed. The mechanochemistry of energetic materials can be divided into experimental and theoretical researches. Current developments, both at home and abroad, in theoretical researches for the mechanochemistry of energetic materials were summarized and reviewed. The investigation results on the triggered mechanism, the relation of structure and property, and theoretical prediction of properties of energetic materials were analyzed. The development prospect of mechanochemistry in energetic materials was prospected with 70 references.

Key words: energetic materials; mechanochemistry; experimental research; theoretical research

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《含能材料》创刊 20 周年纪念活动——专刊征稿

2013 年,《含能材料》迎来创刊 20 周年。过去的 20 年,是我国含能材料科学技术事业大发展的 20 年,也是《含能材料》稳步发展、茁壮成长的 20 年。作为以董海山院士为代表的我国火炸药科技事业的开拓者们创建的专业学术期刊,《含能材料》见证了我国火炸药、推进剂等领域 20 年来的光辉发展历程。20 年来,《含能材料》凝炼出“传承火药文明,创新能源材料”的办刊理念。

重温过去,展望未来,为纪念《含能材料》创刊 20 周年,《含能材料》将于 2013 年 4 月(第 2 期)出版“《含能材料》创刊 20 周年纪念专刊”,并特设新能源材料专栏,报道聚变能源材料、储氢材料、金属氢等新能源材料的研究成果。

为此,特向国内外广大专家征集研究快报、研究论文和综述,以期集中反映我国近年来在含能材料、新概念含能材料及其相关领域取得的重要学术成果。

稿件类型:(1) 简要报道新概念含能材料最新研究成果的研究快报(英文),以基金项目为主。(2) 具有较高创新性的原创研究论文。(3) 具有较高水平的综述文章。

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