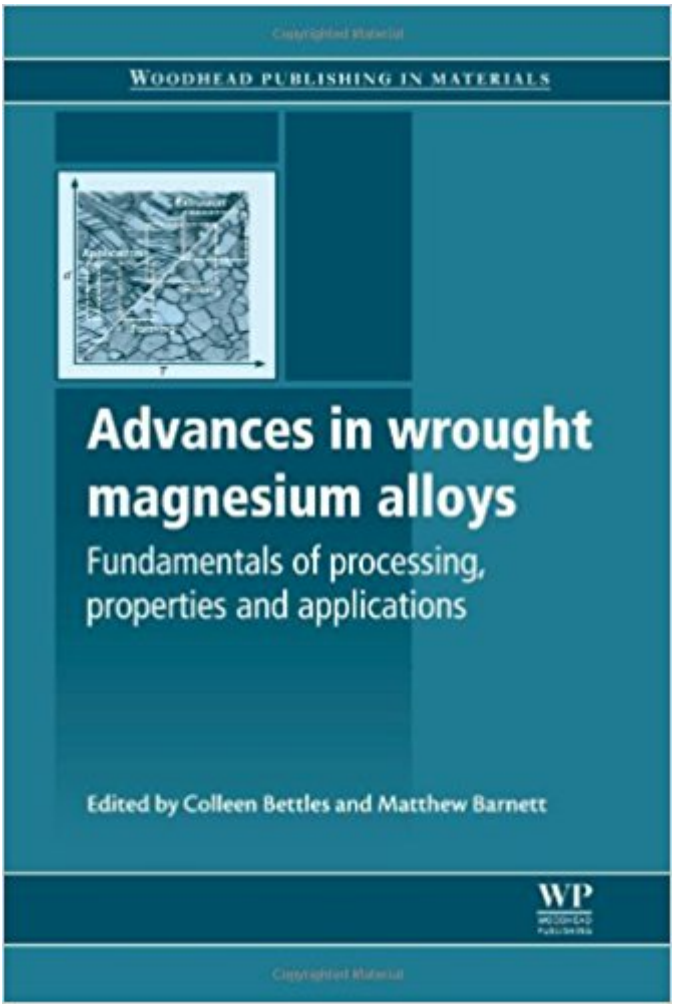
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Advances In Wrought Magnesium Alloys: Fundamentals Of Processing, Properties And Applications (Woodhead Publishing Series In Metals And Surface Engineering)




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Synopsis

This important book summarises the wealth of recent research on our understanding of process-property relationships in wrought magnesium alloys and the way this understanding can be used to develop a new generation of alloys for high-performance applications.After an introductory overview of current developments in wrought magnesium alloys, part one reviews fundamental aspects of deformation behaviour. These chapters are the building blocks for the optimisation of processing steps covered in part two, which discusses casting, extrusion, rolling and forging technologies. The concluding chapters cover applications of wrought magnesium alloys in automotive and biomedical engineering.With its distinguished editors, and drawing on the work of leading experts in the field, Advances in wrought magnesium alloys is a standard reference for those researching, manufacturing and using these alloys.Summarises recent research on our understanding of process-property relationships in wrought magnesium alloysDiscusses the way this understanding can be used to develop a new generation of alloys for high-performance applicationsReviews casting, extrusion, rolling and forging technologies, fundamental aspects of deformation behaviour, and applications of wrought magnesium alloys in automotive and biomedical engineering

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"...magnesium is one of the environment friendly materials due to its light weight resulting in significant negative environmental impacts, and this book covers this topic well."--International Journal of Environmental Studies, Vol 70, Issue 2-13 This is a comprehensive book with very recent research outputs and practical examples of application., International Journal of Environmental Studies Ã¢â ¬Â¦should be required reading for all wrought magnesium researchers., Materials World

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