

**Publications (excluding patent applications)**

**Books**

*Structural Materials for Energy Applications*

- Editor, to be published by Woodhead Publishing Ltd, 2010.

*Microjoining and Nanojoining*

- Editor of the chapter on solid-state bonding in collaboration with University of Waterloo, Canada, Woodhead Publishing Ltd, ISBN 978-1-84569-179-0, May 2008.

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- **Shirzadi A.A.** and Bhadeshia H.K.D.H. (2009): Stainless steel weld metal designed to mitigate residual stresses, *Science and Technology of Welding and Joining*, Vol. 14, No. 6, 2009, pp.559-565.
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- **Shirzadi A.A.** and Wallach E.R. (2006): Diffusion bonding superalloys using liquid gallium, “3rd International Symposium on Aerospace Materials and Manufacturing: Emerging Materials, Processes and Repair Techniques”, COM 2006, 1-4 October, Montreal, Canada, pp. 281-288.
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- **Shirzadi A.A.** and Wallach E.R. (2002): Practical aspects and modelling of a new method to produce non-planar bond interfaces when transient liquid phase (TLP) diffusion bonding advanced alloys, *Proceeding of International Conference on Designing of Interfacial Structures in Advanced Materials and their Joints*, Osaka, Japan, 25-28 November 2002, pp. 134-139.
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- *Advanced Materials & Processes (ASM International) - News on Welding/Joining* (1997): Gradient method produces high strength aluminium bonds, a report by the Editor, Vol. 152, No. 5, p. 16.

List created August 2008