

## Curriculum vitae

### Personal data

Name: György Krallics

Office: Institute of Physical Metallurgy, Metalforming and Nanotechnology, University of Miskolc, Miskolc Hungary

### Employments

- Full professor (2016-)  
Miskolc University, Institute of Physical Metallurgy , Metal Forming and Nanotechnology, Miskolc, Hungary
- Research Fellow (2011-2016)  
Miskolc University, Institute of Physical Metallurgy , Metal Forming and Nanotechnology, Miskolc, Hungary
- Head of Group (2011)  
Bay Zoltán Nonprofit Ltd for Applied Research, Institute for Logistics and Production Engineering, Miskolc, Hungary
- Head of Department (2006-2011)  
Bay Zoltán Nonprofit Ltd for Applied Research, Nanotechnology Research Laboratory, Miskolc, Hungary
- Associate Professor (1993– 2016)  
Budapest University of Technology and Economics, Department of Materials Science and Engineering, Budapest, Hungary
- Assistant Professor (1981-93)  
Budapest University of Technology and Economics, Department of Materials Science and Engineering, Budapest, Hungary
- Teaching Assistant (1975-81)  
Budapest University of Technology and Economics, Department of Materials Science and Engineering, Budapest, Hungary
- Assistant (1974-75)  
Budapest University of Technology and Economics, Department of Materials Science and Engineering, Budapest, Hungary

**Scientific degree** Ph.D, Dr.habil

### Scientific activities and Membership

- Member of Committee on Material Sciences and Technology, Hungarian Academy of Science (1997- present)
- Member of International Cold Forming Group (1997-present)
- Member of Scientific Society of Mechanical Engineering of Hungary (1974-present)

### Professional experiences abroad

- Visiting Professor, University of Waterloo, Canada, (2003,1 month)
- NATO Fellowship, University of Waterloo, Canada (2002, 1 month)
- Tempus Fellowship, IWM, Fraunhofer Institute, Freiburg (1998,1 month)
- Tempus Fellowship, Wessex Institute of Technology, Southampton (1997, 1 month)
- Visiting fellow, Moscow PowerEngineering Institute (1977-78,6 months)

## The most relevant publications (10)

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1. Z. Bézi, **G. Krállics**, M. El-Tahawy, P. Pekker, J. Gubicza  
Processing of ultrafine-grained titanium with high strength and good ductility by a combination of multiple forging and rolling. MATERIALS SCIENCE & ENGINEERING A 688 (2017) pp. 210–217  
**IF: 3.094**

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  2. Szucs M, **Krallics G**, Lenard JG  
The stribeck curve in cold flat rolling. INTERNATIONAL JOURNAL OF MATERIAL FORMING 36: . pp 1-9. (2015)  
**IF: 1.081**

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  3. P. Bereczki, V. Szombathelyi, **G. Krallics**  
Determination of flow curve at large cyclic plastic strain by multiaxial forging on MaxStrain System. INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES 84: pp. 182-188. (2014)  
**IF:1.613**

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  4. **G Krállics**, J Gubicza, Z Bezi, I Barkai  
Manufacturing of ultrafine-grained titanium by caliber rolling in the laboratory and in industry. JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, 214:(7) pp. 1307-1315. (2014)  
**IF:1.953,**

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  5. Á Révész, M Gajdics, L K Varga, **G Krállics**, T Spassov, L Péter.  
Hydrogen storage of nanocrystalline Mg-Ni alloy processed by equal-channel angular pressing and cold rolling. International Journal of Hydrogen Energy, 39. pp. 9911-9917. (2014)  
**IF:3.548**

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  6. Bobor K, **Krallics G**  
Characterization of Severe Plastic Deformation techniques with respect to non-monotony. REVIEWS ON ADVANCED MATERIALS SCIENCE 25:(1) pp. 32-41. (2010)  
**IF: 0.649**

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  7. Chowdhury SG, Mondal A, Gubicza J, **Krallics G** Fodor A,  
Evolution of microstructure and texture in an ultrafine-grained Al 6082 alloy during severe plastic deformation. MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING 490:(1-2) pp. 335-342. (2008)  
**IF: 1.806**

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  8. V.Latysh, **Gy. Krállics**, I. Alexandrov, A. Fodor  
Application of bulk nanostructured materials in medicine. CURRENT APPLIED PHYSICS (ISSN: 1567-1739) 6:(2) pp. 262-266. (2006)  
**IF: 1.184**

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  9. J. Gubicza, N. Q. Chin, **Gy. Krállics**, I. Schiller, T. Ungár  
Microstructure of ultrafine-grained fcc metals produced by severe plastic deformation. Current Applied Physics 6(2), pp. 194-199. (2006)  
**IF:1.184**

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  10. **Krallics G**, Lenard JG  
An examination of the accumulative roll-bonding process JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, 152:(2) pp. 154-161. (2004)  
**IF:0.578**
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