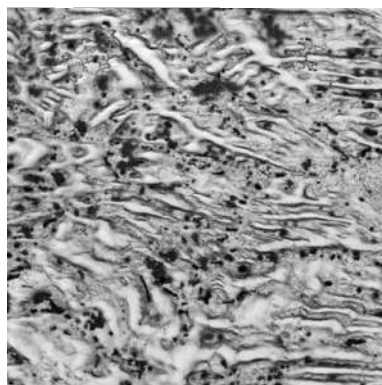




Cover photograph: H. Huang et al., p. 455

Editor

Deutsche Gesellschaft
für Materialkunde e. V.

DGM

Co-Editors

Société Française de
Métallurgie et de Matériaux

SF2M

Swiss Association for Materials
Science and Technology

SVMT

Managing Editors

E. J. Mittemeijer
Max-Planck-Institut für Intelligente Systeme
(ehemals MPI für Metallforschung)
Heisenbergstr. 3
D-70569 Stuttgart, Germany

H. J. Seifert
Institut für Angewandte Materialien (IAM)
Karlsruher Institut für Technologie (KIT)
Hermann-von-Helmholtz-Platz 1
D-76344 Eggenstein-Leopoldshafen, Germany

F. O. R. Fischer
DGM e. V.
Wallstraße 58/59
D-10179 Berlin, Germany

Editorial Office

V. Segar
R. W. M. Segar
Max-Planck-Institut für Intelligente Systeme
(ehemals MPI für Metallforschung)
Heisenbergstr. 3
D-70569 Stuttgart, Germany
Tel.: +49 711 689 36 51
Fax: +49 711 689 36 53
E-mail: ijmr@is.mpg.de

All correspondence concerning papers under
review or already in production should be ad-
dressed to the **Editorial Office**.

HANSER

Carl Hanser Verlag GmbH & Co. KG
D-81631 Munich, Germany
<http://www.hanser.de>
E-mail: info@hanser.de
Distribution: +49 89 998 30-1 02
Advertising: +49 89 998 30-2 15



T. Liang, Z. Chen, X. Yang, J. Zhang, P. Zhang

The thermodynamic stability induced by solute co-segregation
in nanocrystalline ternary alloys [open access] 435

X. Chen, B. Rolfe, A. Abdollahpoor, N. Xiao, D. Li

A general approach on the modelling of incubation in ferrite
transformation using non-isothermal kinetics data for 22MnB5 steel . 441

D. Rollez, A. Pola, L. Montesano, M. Brisotto, D. De Felicis, M. Gelfi

Effect of aging on microstructure and mechanical properties
of ZnAl15Cu1 alloy for wrought applications 447

H. Huang, H. Miao, G. Yuan, C. Chen, H. Zhang, J. Pei, Z. Wang

Deformation behavior and texture randomization of Mg–Zn–Gd
alloys reinforced with icosahedral quasicrystal 455

Z. Lu, Y. Tang, L. Zhang

Atomic mobility in liquid and fcc Al–Si–Mg–RE (RE = Ce, Sc)
alloys and its application to the simulation of solidification processes
in RE-containing A357 alloys 465

Q. Lin, F. Li, P. Jin, W. Yu

Reactive wetting of Ti-6Al-4V alloy by molten Al 4043
and 6061 alloys at 600–700 °C 477

T. Simsek, M. Baris, A. Akkurt

Laser surface treatment of S235JRC carbon steel with Co₂B
nanocrystals 486

Z. Murčínková, P. Baron, L. Tiño, M. Pollák, J. Murčínko

Research and analysis of stress distribution in multilayers
of coated tools 495

J. Liu, M. Taylor, M. Dorreen

Observations of freeze layer formation during heat balance shifts
in cryolite-based smelting bath 507

S. Naheed, M. Zuber, M. Barikani

Synthesis and thermo-mechanical investigation of macrodiol-based
shape memory polyurethane elastomers 515

Notifications

Personal	523
Conferences	523
Imprint	524