

Liste des publications

REVUES INTERNATIONALES A COMITE DE LECTURE

- [49]. G. FLEURIER, E. HUG, M. MARTINEZ, P.A. DUBOS, C. KELLER: "Size effects and Hall-Petch relation in polycrystalline cobalt", *Philosophical Magazine Letters*, 2015.
- [48]. E. HUG, M. MARTINEZ, J. CHOTTIN: "Temperature and stress state influence on the void evolution in a high strength Dual Phase steel", *Materials Science and Engineering A*, vol.626, 2015, pp.286-295.
- [47]. C. KELLER, E. HUG, A.M. HABRAKEN, L. DUCHENE: "Effect of stress path on the miniaturization size effect for nickel polycrystals", *International Journal of Plasticity*, vol.64, 2015, pp.26-39.
- [46]. G. MARNIER, C. KELLER, J. NOUDEM, E. HUG: "Functional properties of a spark plasma sintered ultrafine-grained 316L steel", *Materials & Design*, vol.63, 2014, pp.633-640.
- [45]. S. THIBAUT, E. HUG: "Corrosion and wear mechanisms of aluminum alloys surface reinforced by multicharged N-implantation", *Applied Surface Science*, vol.310, 2014, pp.311-316.
- [44]. A. GUEYDAN, B. DOMENGES, E. HUG: "Study of the intermetallic growth in copper-clad aluminum wires after thermal aging", *Intermetallics*, vol.50, 2014, pp.34-42.
- [43]. P.A. DUBOS, E. HUG, S. THIBAUT, A. GUEYDAN, C. KELLER: "Strain path influence on size effects during thin sheet copper microforming", *Int. J. Mater. Product Technol.*, vol.47, 2013, pp.3-11.
- [42]. P.A. DUBOS, E. HUG, S. THIBAUT, M. BEN BETTAIEB, C. KELLER: "Size effects in thin face centered cubic metals for different complex forming loadings", *Metallurgical and Materials Transactions A*, vol.44, n°12, 2013, pp.5478-5487,.
- [41]. A. GUEYDAN, B. DOMENGES, P.A. DUBOS, E. HUG: "Thermokinetic analysis of the intermetallic growth in copper-clad aluminium wires", *Materials Research Innovations*, vol.17, 2013, pp.S2-124/S2-128.
- [40]. I. HERVAS, M. BEN BETTAIEB, E. HUG: "Damage evolution of ductile cast irons under thermomechanical loadings", *Int. J. Mater. Product Technol.*, vol.47, 2013, pp.23-32.

- [39]. I. HERVAS, M. BEN BETTAIEB, A. THUAULT, E. HUG: "Graphite nodule morphology as an indicator of the local complex strain state in ductile cast iron ", *Materials & Design*, vol.52, 2013, pp.524-532.
- [38]. D. PRAVARTHANA, D. CHATEIGNER, L. LUTTEROTTI, M. LACOTTE, S. MARINEL, P.A. DUBOS, I. HERVAS, E. HUG, P.A. SALVADOR, W. PRELLIER: "Growth and texture of spark plasma sintered Al₂O₃ ceramics: a combined analysis of X-rays and electron back scatter diffraction", *Journal of Applied Physics*, vol.113, 2013, pp.153510-1/153510-7.
- [37]. E. HUG, P.A. DUBOS, C. KELLER: "Temperature dependence and size effects on strain hardening mechanisms in copper polycrystals", *Materials Science and Engineering A*, vol.A574, 2013, pp.253-261.
- [36]. H. MAROUANI, M. RACHIK, E. HUG: "Experimental investigations and FEM simulations of parameters influencing the Fe-(wt.3%)Si shearing process", *Mechanics & Industry*, vol.13, 2012, pp. 271-278.
- [35]. E. HUG, S. THIBAUT, D. CHATEIGNER, L. MAUNOURY: "Nitriding aluminium alloys by N-multicharged ions implantation: correlation between surface strengthening and microstructure modifications", *Surface and Coatings Technology*, vol.206, 2012, pp.5028-5035.
- [34]. C. KELLER, E. HUG, A.M. HABRAKEN, L. DUCHENE: "Finite element analysis of the free surface effects on the mechanical behaviour of thin nickel polycrystals", *International Journal of Plasticity*, vol.29, 2012, pp.155-172.
- [33]. E. HUG, N. BELLIDO: "Brittleness study of intermetallic (Cu,Al) layers in copper-clad aluminium thin wires", *Materials Science and Engineering A*, vol.A528, 2011, pp.7103-7106.
- [32]. N. BELLIDO, A. PAUTRAT, C. KELLER, E. HUG: "Direct correlation between strengthening mechanisms and electrical noise in strained copper wires", *Physical Review B*, vol.83, 2011, pp.104108-1/104108-5.
- [31]. C. KELLER, E. HUG, X. FEAUGAS: "Microstructural size effects on mechanical properties of high purity nickel", *International Journal of Plasticity*, vol.27, 2011, pp.635-654.
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- [29]. C. KELLER, M. BETTAIEB, M. AFTENI, M. BANU, A.M. HABRAKEN, E. HUG, S. CASTAGNE, L. DUCHENE: "Effect of a decrease in sample dimensions on plasticity: application to the nickel micro-forming", *Steel Research International*, vol.81, n°9, 2010, pp.1173-1176.

- [28]. J. CHOTTIN, E. HUG, M. RACHIK: "Influence of stress state on mechanical properties of dual phase steel sheets. Experimental and finite element analysis approach", *Steel Research International*, vol.81, n°9, 2010, pp.809-812.
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- [26]. A. BEN ISMAIL, M. RACHIK, P.-E. MAZERAN, M. FAFARD, E. HUG: "Material characterization of blanked parts in the vicinity of the cut edge using nanoindentation technique and inverse analysis", *International Journal of Mechanical Sciences*, vol.51, 2009, pp. 899-906.
- [25]. E. HUG, C. KELLER, J. FAVERGEON, K. DAWI: "Application of the Monkman-Grant law to the creep fracture of nodular cast irons with various matrix compositions and structures", *Materials Science and Engineering A*, vol.A518, 2009, pp.65-75.
- [24]. H. MAROUANI, A. BEN ISMAIL, E. HUG, M. RACHIK: "Numerical investigations on sheet metal blanking with high speed deformation", *Materials & Design*, vol.30, 2009, pp.3566-3571.
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- [22]. C. KELLER, M. RACHIK, E. HUG: "Influence of the number of grains per thickness on strain hardening and process of nickel polycrystals", *Steel Research International*, vol.2, 2008, pp.176-182.
- [21]. M. RUDLOFF, M. RISBET, C. KELLER, E. HUG: "Influence of the size effect on work hardening behaviour in stage II of Ni20wt.%Cr", *Materials Letters*, vol.62, 2008, pp.3591-3593.
- [20]. H. MAROUANI, A. BEN ISMAIL, E. HUG, M. RACHIK: "Rate dependent constitutive model for sheet metal blanking investigation", *Materials Science and Engineering A*, vol.A487, 2008, pp.162-170.
- [19]. C. KELLER, E. HUG: "Hall-Petch behaviour of Ni polycrystals with a few grains per thickness", *Materials Letters*, vol.62, 2008, pp.1718-1720
- [18]. V.-E. IORDACHE, E. HUG: "Effect of mechanical strains on the magnetic properties of electrical steels", *Journal of Optoelectronics and Advanced Materials*, vol.6, n°4, 2004, pp.1297-1304.
- [17]. V.-E. IORDACHE, E. HUG, N. BUIRON: "Magnetic behaviour versus tensile deformation mechanisms in a non-oriented Fe-(3wt.%)Si steel", *Materials Science & Engineering A*, vol.359, 2003, pp.62-74.

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- [14]. E. HUG, O. HUBERT, J.J. VAN HOUTTE: "Effect of internal stresses on the magnetic properties of non-oriented Fe-3wt.%Si and (Fe,Co)-2wt.%V alloys", *Materials Science & Engineering A*, vol.332, n°1-2, 2002, pp.193-202.
- [13]. E. HUG, V.-E. IORDACHE: "Evolution des propriétés magnétiques d'alliages ferromagnétiques doux en cours de plasticité", *Revue Internationale de Génie Electrique*, vol.5, 2002, pp.371-381.
- [12]. F. OSSART, E. HUG, O. HUBERT, C. BUVAT, R. BILLARDON: "Effect of punching on electrical steels: experimental and numerical coupled analysis", *IEEE Transactions on Magnetics*, vol. 36, n°5, 2000, pp.3137-3140.
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- [6]. E. HUG, O. HUBERT, M. CLAVEL: "Influence of the plastic anisotropy on the magnetic properties of a nonoriented 3% silicon iron", *Journal of Applied Physics*, vol.79, n°8, 1996, pp.4571-4573.
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ACTES PUBLIES DE CONFERENCES INTERNATIONALES

[9].O. KEITA, P.A. DUBOS, J. CHOTTIN, E. HUG: "Numerical prediction model of temperature effect on DP1000 steel damage during warm formability", *Key Engineering Materials*, 2015, Scientific.net Publishing.

[8].P.B. REVATHY RAJAN, I. MONNET, E. HUG, A. ETIENNE, N. ENIKEEV, C. KELLER, X. SAUVAGE, R. VALIEV, B. RADIGUET: "Irradiation resistance of a nanostructured 316 austenitic stainless steel", *IOP Conf. Series : Materials Science and Engineering*, vol.63, 2014, pp.012121 1-5, IOP Publishing.

[7].A. GUEYDAN, E. HUG, B. DOMENGENS: "Thermomechanical aging of copper-clad aluminum wires submitted to creep test conditions", *Advanced Materials Research*, vol.922, 2014, pp.207-212, TTP Publishers.

[6].M. MARTINEZ, J. CHOTTIN, E. HUG: "Temperature and stress state influence on mechanical properties and damage evolution of Dual-Phase steels", *Materials Science Forum*, vol.783-786, 2014, pp.886-891, TTP Publishers.

[5].E. HUG, C. KELLER, A.M. HABRAKEN: "Impact of metallurgical size effects on plasticity of thin metallic materials", *Materials Science Forum*, vol.783-786, 2014, pp.2290-2295, TTP Publishers.

[4]. C. KELLER, A.M. HABRAKEN, E. HUG, L. DUCHENE: "Miniaturization induced size effects: Experimental and numerical investigation of size effects linked to the miniaturization of metallic components", in "Scale transition for plastic crystalline and microstructured materials: from experiment to numerical modeling" (Ed. I. R. Ionescu, P. Franciosi, S. Bouvier and O. Cazacu), chap.6, 2011, pp. 157-179, Editions Wiley.

[3]. J. CHOTTIN, E. HUG, M. RACHIK: "Damage accumulation in DP1000 steel sheets submitted to various stress states", Steel Research International, Special Issue ICTP, 2011, pp.895-900, Editions Wiley (<http://www.materialsvIEWS.com/the-10th-international-conference-on-technology-of-plasticity-ictp-2011/>).

[2]. C. KELLER, M. AFTENI, M. BANU, A.M. HABRAKEN, E. HUG, S. CASTAGNE, L. DUCHENE: "Influence of surface effect on nickel micro deep drawing process", AIP Conference Proceedings, vol. 1252, 2010, pp.1025-1030.

[1]. E. HUG, H. MAROUANI, M. RACHIK: "Experimental and numerical study of ferromagnetic sheet punching: effect of velocity", Proceedings of the 8th International Conference on Technology of Plasticity, ICTP 2005, ISBN 88-87331-74-X, pp.75-81, October 9-13 2005, Verona, Italy

CHAPITRES DE LIVRES

[2]. E. HUG, M. CLAVEL: "Propriétés magnétomécaniques des matériaux magnétiques", Matériaux magnétiques en Génie Electrique : développements récents et applications, vol.2, chap.4, , 2006, pp.201-247, Editions HERMES Science - Lavoisier.

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[2]. V.-E. IORDACHE, E. HUG, N. BUIRON: "Caractérisation de l'état de contraintes des alliages ferromagnétiques doux par mesures de leurs propriétés magnétiques. Bruit Barkhausen et hysteresis magnétique", Matériaux et Techniques, n°3-4, 2004, pp.35-40.

[1]. G. FETECAU, V.-E. IORDACHE, E. HUG: "Considerations on the effect of plastic deformation over the magnetic behavior of soft ferromagnetic alloy Fe-3%Si NO", The Annals of Dunarea De Jos, University of Galati, Romania, Fascicle III, 2002, pp.15-19.

COMMUNICATIONS DANS DES CONFERENCES INTERNATIONALES

Les conférences repérées par un (📖) renvoient à une publication associée dans une revue internationale à comité de lecture. Celles repérées par (📄) sont des conférences internationales avec actes publiés.

(39). FIMPART15 International Conference, Hyderabad, Inde, June 12-15, 2015. E. HUG, M. MARTINEZ, O. KEITA, J. CHOTTIN: "Thermomechanical properties of high martensitic Dual-Phase steels related to the evolution of damage by void growth". **Session orale.**

(38). FIMPART15 International Conference, Hyderabad, Inde, June 12-15, 2015. E. HUG, G. FLEURIER, C. KELLER, M. MARTINEZ: "Size effects and plasticity of thin metallic materials: influence of the crystallographic structure and the stacking fault energy". **Conférence invitée. Abstract soumis.**

(37). 18th ESAFORM International Conference, Graz, Autriche, April 15-17, 2015. O. KEITA, P.A. DUBOS, J. CHOTTIN, E. HUG: "Numerical prediction model of temperature effect on DP1000 steel damage during warm formability". **Session orale.**

(36). Powdermet 2015, San Diego, USA, May 17-20, 2015. E. HUG, C. KELLER, J. NOUDEM, G. MARNIER, K. TABALEIEV, I. HERVAS, L. GARDIA DE LA CRUZ: "Spark plasma sintering of ultrafine grained nickel and AISI 316L and functional properties characterization". **Session orale.**

(35). Powdermet 2015, San Diego, USA, May 17-20, 2015. M. GILMAS, E. HUG, J. CHOTTIN: "Study of the mechanical behavior of two families of sinter-hardened steels for applications to automotive industry". **Session orale.**

(34). ESMC2015 Conference, Madrid, July. 6-10, 2015. C. KELLER, E. HUG, A.-M. HABRAKEN, L. DUCHENE: "Stress path influence on the miniaturization size effect for nickel polycrystals". **Abstract soumis.**

(33). 24th International Workshop on Computational Micromechanics of Materials (IWCMM4), Madrid, Espagne, Octobre 2014. F. BARBE, R. QUEY, S. FOREST, I. HERVAS, G. MARNIER, C. KELLER, E. HUG: "Mechanical behaviour of polycrystals with high grain size contrast: microstructure modelling and first analyses", **Session orale.**

(32). 📄 6th International Conference on Nanomaterials by Severe Plastic Deformation (NANOSPD6), Metz, France, Juillet 2014. P.B. REVATHY RAJAN, I. MONNET, E. HUG, A. ETIENNE, N. ENIKEEV, C. KELLER, X. SAUVAGE, R. VALIEV, B. RADIGUET: "Irradiation and corrosion resistance of a nanostructured 316 austenitic stainless steel", **Session orale.**

(31). 📖 18th International Conference on Surface Modification of Materials by Ion Beams (SMMIB 2013), Kusadasi, Turquie, Septembre 2013. S. THIBAUT, E. HUG:

"Corrosion and wear mechanisms of aluminum alloy surfaces reinforced by multicharged nitrogen implantation", **Session orale**.

(30). 📄 THERMEC'2013, Las Vegas, USA, Décembre 2013. A. GUEYDAN, E. HUG, B. DOMENGES: "Thermomechanical aging of copper-clad aluminum wires submitted to creep test conditions", **Session poster**.

(29). 📄 THERMEC'2013, Las Vegas, USA, Décembre 2013. M. MARTINEZ, J. CHOTTIN, E. HUG: "Temperature and stress state influence on mechanical properties and damage evolution of Dual-Phase steels", **Session orale**.

(28). 📄 THERMEC'2013, Las Vegas, USA, Décembre 2013. E. HUG, C. KELLER, A.-M. HABRAKEN: "Impact of the metallurgical size effects on the plasticity of thin metallic materials". **Conférence invitée**.

(27). Plasticity'13, Nassau, Bahamas, Jan. 3-8, 2013. W. HAMMAMI, L. DUCHENE, L. DELANNAY, S. BOUVIER, E. HUG, A.-M. HABRAKEN: "Identification and validation of CRSS values for TA6V alloy". **Conférence invitée**.

(26). 📖 AMPT 2012, 15th International Conference on Advances in Materials and Processing Technologies, septembre 2012, Wollogong, Australie. A. GUEYDAN, E. HUG, B. DOMENGES: "Thermokinetic analysis of the intermetallic growth in copper-clad aluminium wires". **Session poster**.

(25). 📖 AMPT 2012, 15th International Conference on Advances in Materials and Processing Technologies, septembre 2012, Wollogong, Australie. P.A. DUBOS, E. HUG, S. THIBAULT, C. KELLER: "Miniaturization influence on forming processes of high-purity copper polycrystals", **Session orale**.

(24). 📖 AMPT 2012, 15th International Conference on Advances in Materials and Processing Technologies, septembre 2012, Wollogong, Australie. I. HERVAS, M. BEN BETTAIEB, E. HUG: "Damage evolution of ductile cast irons under thermomechanical loadings", **Session orale**.

(23). 📄 ICTP 2011, International Conference on Technology of Plasticity, septembre 2011, Aachen, Allemagne. J. CHOTTIN, E. HUG, M. RACHIK: "Damage accumulation in DP1000 steel sheets under various stress states", **Session orale**.

(22). EUROMAT 2011, septembre 2011, Montpellier. I. HERVAS, N. BELLIDO, E. HUG: "Internal stresses distribution analysis in 3%SiFe Goss textured materials by means of magnetic domain observations", **Session poster**.

(21). EUROMAT 2011, septembre 2011, Montpellier. P.A. DUBOS, E. HUG: "Influence of the size effect on the strengthening behaviour of copper: temperature influence", **Session poster**.

(20). COMPLAS XI, septembre 2011, Barcelone. **E. HUG**, C. KELLER, A.M. HABRAKEN, L. DUCHENE : "Impact of the metallurgical size effects on the plasticity of thin metallic materials". **Conférence invitée.**

(19). 📖 IUTAM 2011, Symposium on Linking Scales in Computations: from Microstructure to Macro-scale Properties Pensacola, Floride, USA, mai 2011. C. KELLER, L. DUCHENE, **E. HUG**, A.M. HABRAKEN: "Smaller is softer' versus 'smaller is stronger' during the miniaturization of Nickel polycrystals. Experimental and numerical approaches". **Conférence invitée.**

(18). 📖 ICACM 2010, 4th US-France symposium "Scale transition for plastic crystalline and microstructured materials: from experiment to numerical modelling", Paris, 2-4 June 2010. C. KELLER, L. DUCHENE, M. AFTENI, **E. HUG**, A-M HABRAKEN: "From polycrystals to multicrystals: origin of the mechanical behaviour modification". **Session orale.**

(17). 📖 10th International Conference on Numerical Methods in Industrial Forming Processes (NUMIFORM), Pohang, Corée, juin 2010. C. KELLER, M. AFTENI, M. BANU, A.M. HABRAKEN, **E. HUG**, S. CASTAGNE, L. DUCHENE: "Influence of surface effect on nickel micro deep drawing process". **Session orale.**

(16). 📖 13th International Conference on Metal Forming, 2010, Toyohashi, Japon, septembre 2010. C. KELLER, M. AFTENI, M. BANU, A.M. HABRAKEN, **E. HUG**, S. CASTAGNE, L. DUCHENE: "Effect of a decrease in sample dimension on plasticity: application to the micro-forming of nickel". **Session orale.**

(15). 📖 13th International Conference on Metal Forming, 2010, Toyohashi, Japon, septembre 2010. J. CHOTTIN, **E. HUG**, M. RACHIK : « Influence of stress state on mechanical properties of Dual Phase steel sheets. Experimental and F.E.M. approach". **Session orale.**

(14). 📖 12th International Conference Metal on Forming 2008, Cracovie, septembre 2008. C. KELLER, M. RACHIK, **E. HUG**: "Influence of the number of grains per thickness on strain hardening and process of nickel polycrystals". **Session orale.**

(13) 7th World Congress on Computational Mechanics WCCM 2006, Los Angeles, juillet 2006. **Participation orale au minisymposium** "Constitutive modeling of materials submitted to large strains and large strain-rates. Application to impact and material forming processes". A. BENISMAIL, H. MAROUANI, M. RACHIK, **E. HUG**, M. FAFARD, P.-E. MAZERAN : "Nanoindentation and inverse method to characterize blanked parts near the cut edge". **Session poster.**

(12) International Deep Drawing Research Group (IDDRG) Porto, juin 2006. A. Ben Ismail, H. MAROUANI, M. RACHIK, **E. HUG**, M. FAFARD : "Numerical simulation of sheet metal blanking, predicting the material state near the cut edge". **Session orale.**

- (11) 📖 8th International Conference on Technology of Plasticity, Vérone, octobre 2005. **E. HUG, H. MAROUANI, M. RACHIK** : "Experimental and numerical study of ferromagnetic sheet punching: effect of velocity". **Session orale.**
- (10) International conference MMDE, Bucarest, mai 2004. **Session orale.**
- (9) 📖 International conference INTERMAG'02, Amsterdam, avril 2002. **Session poster.**
- (8) 📖 Soft Magnetic Materials 15, Bilbao, septembre 2001. **Session poster.**
- (7) 📖 International conference INTERMAG'00, Toronto, avril 2000. **Session orale.**
- (6) 📖 Soft Magnetic Materials 14, Budapest, septembre 1999. **Session poster.**
- (5) 📖 Euromech-Mecamat'98. 3rd European mechanics of materials conference on mechanics and multi-physics processes in solids: experiments, modelling, applications, Oxford, novembre 1998. **Session orale.**
- (4) 📖 7th European Magnetic Materials and Applications Conference, Saragosse, septembre, 1998. **Session poster.**
- (3) 📖 Soft Magnetic Materials 13, Grenoble, septembre 1997. **Session poster.**
- (2) 📖 40th Magnetism and Magnetic Materials Conference, Philadelphie, novembre 1995. **Session orale.**
- (1) 📖 35^{ème} colloque international de métallurgie de l'INSTN, "Matériaux magnétiques, progrès et perspectives", Saclay, juin 1992. **Session orale.**

COLLOQUES NATIONAUX

Les conférences repérées par un (📖) sont des conférences avec actes.

- (19) **R. COQ GERMANICUS, S. EVE, F. LALLEMAND, E. HUG**: "Etude multi-échelle de la nanoindentation du Si_3N_4 : influence de la sous-couche de passivation des composants microélectroniques", Conférence Indentation 2014, SF2M, Strasbourg, décembre 2014. **Session orale.**
- (18) **G. MARNIER, C. KELLER, E. HUG, J. NOUDEM**: "Densification of AISI 316L stainless steel by spark plasma sintering", 3rd International Workshop on SPS, Toulouse, juillet 2014. **Session orale.**
- (17) **C. KELLER, K. TABALAEV, G. MARNIER, I. HERVAS, J. NOUDEM, E. HUG**: "Synthèse par frittage flash d'un acier austénitique inoxydable 316L et caractérisation de ses propriétés fonctionnelles", Matériaux 2014, Montpellier, novembre 2014. **Session orale.**

- (16) I. HERVAS, E. HUG: "Etude des mécanismes d'endommagement des fontes ferritiques à graphite sphéroïdal sous sollicitations thermomécaniques complexes", Matériaux 2014, Montpellier, novembre 2014. *Session orale*.
- (15) M. CAVELLIER, S. THIBAUT, D. BUSARDO, T. GLORANT, E. HUG: "Amélioration des propriétés tribologiques des métaux par implantation ionique", SF2M JA2009, Rennes, juin 2009, *Session poster*.
- (14) E. HUG, M. RISBET, C. KELLER, M. RUDLOFF: "Modification des propriétés mécaniques et magnétiques d'alliages métalliques utilisés sous forme mince dans les microcapteurs", SF2M JA2007, Saint-Etienne, mai 2007. *Session orale*.
- (13) C. KELLER, E. HUG: "Etude expérimentale des transitions volume/surface des propriétés mécaniques du nickel polycristallin de haute pureté", Matériaux 2006, Dijon, novembre 2006. *Session poster*.
- (12) M. RUDLOFF, M. RISBET, D. OVONO-OVONO, A. ROUGIER, E. HUG: "Influence du rapport épaisseur sur taille de grain sur les propriétés mécaniques d'alliage Ni-20wt.%Cr en tôle mince", Matériaux 2006, Dijon, novembre 2006. *Session poster*.
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- (9) V.-E. IORDACHE, E. HUG, N. BUIRON: "Caractérisation des contraintes mécaniques appliquées et résiduelles par des mesures électromagnétiques. Bruit Barkhausen et hystérésis magnétique", colloque GFAC, Metz, avril 2003. *Session poster*.
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- (7) F. OSSART, O. HUBERT, L. HIRSINGER, C. BUVAT, R. BILLARDON, E. HUG: "Dégradation du comportement des tôles magnétiques lors de leur mise en œuvre industrielle : modélisation et expérimentation", colloque Matériaux du Génie Electrique, Lille, décembre 2000, actes du colloque pp.43-46. *Session poster*.
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