

Konferencje Zespołu od roku 2016

1. K. Wierzbanowski, A. Uniwersał, M. Wróbel, M. Wronski, S. Wronski, I. Kalembar-Rec, T. Sak, B. Bacroix, Texture and microstructure of asymmetrically rolled polycrystalline copper, 25-th Inter. Material Research Congress, Conference program, p. 243-244, Cancun, Mexico (2016)
2. M. Marciszko, A. Baczyński, S. Wroński, M. Wróbel, C. Braham, Multireflexion X ray diffraction method for residual stress investigation in the Ti-based biomaterials , 5th Biomaterials in medicine and veterinary medicine, 13–16 October 2016 Ryto, Poland, Inżynieria Biomateriałów - Engineering of Biomaterials, 138 (2016) 18
3. M. Marciszko, A. Baczyński, S. Wroński, M. Wróbel, C. Genzel, M. Klaus, C. Braham, Stress measurements by multi-reflexion and multi-wavelength diffraction metod, 10th International Conference on Residual Stresses, 3-7 July 2016, Sydney, Australia, Book of abstracts, p. 136
4. E. Gadalińska, A. Baczyński, M. Wróbel, S. Wroński, M. Wroński, R. Wawszczak, C. Braham, Y. Zhao, L. Le Joncour, T. Buslaps and Ch. Scheffzük, The role of the intergranular stresses in plastic deformation studied using diffraction and self-consistent model, 10th International Conference on Residual Stresses, 3-7 July 2016, Sydney, Australia, Book of abstracts, p. 45
5. Proceedings: Residual Stresses 2016: ICRS-10 Materials Research Forum LLC Materials Research Proceedings 2 (2016) 551-556; doi: <http://dx.doi.org/10.21741/9781945291173-93>
6. A. Uniwersał, M. Wróbel, K. Wierzbanowski, Wpływ walcowania asymetrycznego z różną wielkością walców roboczych na teksturę krystalograficzną miedzi — Effect of asymmetric rolling with a different size of working rolls on the crystallographic texture of copper, XLIV Szkoła Inżynierii Materiałowej, Mater. Konf. pod red. Jerzego Pacyny , str. 495–498, Kraków–Ryto, (2016)
7. C. Braham, A. Baczyński, G. Gonzalez, H. Sidhom, E. Gadalińska, S. Wronski, T. Buslaps, Study of stress partitioning in a 0.68%C pearlitic steel using high energy X-ray synchrotron radiation, 10th International Conference on Residual Stresses, 3-7 July 2016, Sydney, Australia, Book of abstracts, p. 19- invited lecture. Proceedings: Residual Stresses 2016: ICRS-10 Materials Research Forum LLC, Materials Research Proceedings 2 (2016) 521-526; doi: <http://dx.doi.org/10.21741/9781945291173-88>
8. S. Wroński, K. Wierzbanowski, M. Jędrychowski, J. Tarasiuk, M. Wroński, A. Baczyński, B. Bacroix, Microstructure and stress evolution of titanium after tensile test, 10th International Conference on Residual Stresses, Book of abstracts, p. 175, Sydney, Australia (2016)
9. Y. Zhao, E. Gadalińska E., A. Baczyński, L. Le Joncour, S. Wroński, B. Panicaud, M. François, C. Braham, T. Buslaps, Damage phenomenon in duplex steel studied using synchrotron radiation, 10th International Conference on Residual Stresses, 3-7 July 2016, Sydney, Australia, Programme p.3
10. Wróbel M., Kot P. , Wroński M. , Gadalińska E., Wroński S., Baczyński A, Bokuchava G., Scheffzük Ch., Al/SiC composite studied using TOF neutron diffraction after plastic deformation and during annealing. Poster at the International Conference "Condensed Matter Research at the IBR-2 Reactor, Dubna (Russia), October 9-12, 2017, Abstract Book, s. 206
11. M. Wroński, M. Muzyka, M. Wróbel, S. Wroński, A. Baczyński, J. Pilch and Ch. Scheffzük, Magnesium alloy studied using neutron diffraction during in-situ tensile

- and compression tests. Poster at the International Conference "Condensed Matter Research at the IBR-2 Reactor, Dubna (Russia), October 9-12, 2017, Abstract Book, s. 214
12. A. Baczmański, S. Wroński, E. Gadalińska, Y. Zhao, L. Le Joncour, C. Braham, Ch. Scheffzük and P. Kot, Diffraction methods and scale transition model used to study evolution of intergranular stress and micro-damage phenomenon during elasto-plastic deformation - submitted to Materials Research Forum LLC Materials Research Forum LLC Materials Research Proceedings (Keynote lecture presented on MECA SENS 2017, 19-21 September 2017 Skukuza, South Africa) Programme and Abstracts, p. 24
 13. M. Wroński, A. Baczmański, K. Wierzbowski, S. Wroński, E. Gadalińska, Ch. Scheffzük, P. Kot, Investigation of lattice strain in Mg-alloy and Al/SiC using in-situ TOF neutron diffraction, 9th International Conference on Mechanical Stress Evaluation by Neutron and Synchrotron Radiation, MECA SENS 2017, 19-21 September 2017 Skukuza, South Africa, Programme and Abstracts, p. 94
 14. Braham C., Baczmański A., Gonzalez G., Sidhom H., Gadalińska E., Wroński S., Buslaps T., Stress partitioning and phase behavior in a pearlitic steel studied using high energy X-ray synchrotron radiation, 9th International Conference on Mechanical Stress Evaluation by Neutron and Synchrotron Radiation, MECA SENS 2017, 19-21 September 2017 Skukuza, South Africa, Programme and Abstracts, p. 44
 15. Wroński M., Wierzbowski K., Baczmański A., Wroński S., Wojtaszek M., Łabaza A., Muzyka M., Examination of deformation mechanisms of magnesium AZ31– in situ X ray diffraction and modeling, 9th International Conference on Mechanical Stress Evaluation by Neutron and Synchrotron Radiation, MECA SENS 2017, 19-21 September 2017 Skukuza, South Africa, p. 93
 16. Marciszko M., Baczmański A., Genzel C., Klaus M., Wrobel M., Braham C., Sidhom H., Multi-reflexion and multi-wavelength diffraction method used for residual stress determination in mechanically treated surface layer of Ti (grade2), 9th International Conference on Mechanical Stress Evaluation by Neutron and Synchrotron Radiation, MECA SENS 2017, 19-21 September 2017 Skukuza, South Africa, p.106
 17. J. Kawalko, K. Sztwiertnia, M. Bieda, W. Pachla, M. Kulczyk, K. Wierzbowski, M. Wroński, Titanium subjected to plastic deformation by various techniques of complex loading: comparison of the microstructure and mechanical properties, XIV Congreso del Comité Interamericano de Sociedades de Microscopia (CIASEM), Abstract: Acta Microscopica, Supp. A, 2017, 25-29 September, 2017, Varadero, Cuba
 18. M. Wroński, K. Wierzbowski, R. Z. Valiev, J. Kawalko, K. Sztwiertnia, E. Szyfner, Microstructure and Texture of Titanium Grade 2 after ECAP Processing, 18-th Inter. Conference on Textures of Materials (ICOTOM 18), Program and Abstracts p. 120, 5-10 November 2017, St. George, Utah, USA
 19. A. Uniwersał, M. Wroński, M. Wróbel, K. Wierzbowski, A. Baczmanski, Modification of Texture and Microstructure of Polycrystalline Copper after Asymmetric Rolling, 18-th Inter. Conference on Textures of Materials (ICOTOM 18), Program and Abstracts p. 104-105, 5-10 November 2017, St. George, Utah, USA
 20. K. Sztwiertnia, J. Kawalko, M. Bieda, D. Wojtas, K. Wierzbowski, M. Wroński, W. Pachla, M. Kulczyk, Pure titanium with enhanced properties applied to newly developed dental implant, KMM-VIN industrial workshop : biomaterials: key technologies for better healthcare : programme and abstracts, p. 37, 27-28 September 2017, Erlangen, Germany (Institute of Biomaterials FAU Erlangen-Nuremberg, Erlangen)
 21. A. Baczmanski, M. Wronski, M. Muzyka, S. Wronski, M. Wrobel, J. Pilch, Y. Zhao, L. Le Joncour, Ch. Scheffzük, G. Bokuchava, Critical resolved shear stresses and

- stress localization in Mg-alloy studied using neutron diffraction, 10th European Conference on Residual Stresses (ECRS 10), Leuven, Belgium, 11-14 September, 2018, Abstract Booklet p.101– oral presentation
22. E. Gadalińska, A. Baczmański, M. Wróbel, M. Wroński, S. Wroński, Ch. Scheffzük , G. Bokuchava, C. Braham, The nature of hardening in Al/SiC composite and the evolution of phase stresses during plastic deformation and annealing, 10th European Conference on Residual Stresses (ECRS 10), Leuven, Belgium, 11-14 September, 2018, Abstract Booklet p.118 – oral presentation
 23. M. Marciszko, A. Baczmański, C. Braham, M. Wróbel, S. Wroński, J. Donges, Multi-reflection and multi-wavelength grazing-incidence X-ray diffraction method (MMGIXD) for residual stress determination, 10th European Conference on Residual Stresses (ECRS 10), Leuven, Belgium, 11-14 September, 2018, Abstract Booklet p.176-177 – poster
 24. A. Oponowicz, Adrian, M. Marciszko, A. Baczmanski, S. Wronski, M. Wrobel, Ch. Genzel, M. Klaus, C. Braham, H. Sidhom, Multi-reflection energy dispersive diffraction applied to measure stresses in surface layers, 10th European Conference on Residual Stresses (ECRS 10), Leuven, Belgium, 11-14 September, 2018, Abstract Booklet p.178-179 – poster
 25. Baczmanski A, Gadalińska E, Wronski S, Kot P, Scheffzuek C, Bokuchava G, Le Joncour L, Zhao Y, Braham C. (2018). Intergranular Stresses and Micro-damage Process in Two-phase Materials Studied Using Diffraction and Self-consistent Model. In F. Kongoli, F. Marquis, P. Chen, T. Prikhna, N. Chikhradze (Eds.), Sustainable Industrial Processing Summit SIPS2018 Volume 6. New and Advanced Materials and Technologies (pp. 127-138). Montreal, Canada: FLOGEN Star Outreach
 26. A. Uniwersał, K. Wierzbowski, M. Wrobel, S. Wronski, M. Wronski, A. Baczmanski, Microstructure, Texture and Mechanical Characteristics of Polycrystalline Copper After Asymmetric Rolling - Sustainable Industrial Processing Summit & Exhibition, Advanced Materials, 4-7, November 2018, Rio De Janeiro, Brazylia, 213/AdvancedMaterials/Invited – oral invited, Program p. 45, https://www.flogen.org/sips2018/scheduled_program_detailed.php?id1=200
 27. A. Oponowicz, M. Marciszko, A. Baczmanski, S. Wronski, M. Wrobel, C. Genzel, M. Klaus, C. Braham, H. Sidhom, Determination of depth-dependent stress profile in the near surface region of mechanically treated samples, 2nd international workshop on Functional Nanostructured Materials : October 11th-12th, 2018, Kraków, Poland : book of abstracts, ed. by Joanna Grudzień, [et al.], p 113. http://www.funam.confer.uj.edu.pl/documents/138825482/0/BookOfAbstracts_FuNaM-2.pdf/8731152d-3472-4665-bb20-a7f4380bce2e
 28. M. Arul Kumar, M Wronski, Rodney McCabe, K Wierzbowski, Laurent Capolungo, Carlos Tome, Effect of heterogeneous microstructure on deformation twinning in HCP titanium, 2018 The Minerals, Metals & Materials Society (TMS) Annual Meeting & Exhibition, Symposium: Advanced Characterization Techniques for Quantifying and Modeling Deformation, 11-15 March 2018, Phoenix, Arizona, USA
 29. K. Wierzbowski, Mikrostruktura i własności mechaniczne tytanu grade 2 po silnych odkształceniach plastycznych, X Sesja Naukowa: „Wybrane aspekty udziału wysokiego ciśnienia w kształtowaniu własności ciał stałych”, Laboratorium plastyczności pod wysokim ciśnieniem, Instytut Wysokich Ciśnień UNIPRESS PAN, 7 czerwca 2018, Celestynów
 30. A. Uniwersał, S. Wroński, K. Wierzbowski, M. Wróbel, M. Wroński, B. Bacroix, Asymmetric rolling of polycrystalline metals: modification of microstructure and

- mechanical properties, Innovative Energy & Research, 20-th International Conference on Advanced Energy Materials and Research : August 13-14, 2018, Dublin, Ireland. Abstrakt: ISSN 2576-1463, 2018 vol. 7, s. 86–87— tekst: <https://www.omicsonline.org/conference-proceedings/2576-1463-C1-003-002.pdf>
31. D. Wojtas, K. Wierzbanowski, M. Bieda, R. Chulist, A. Jarzębska, B. Kania, Ł. Maj, M. Strąg, W. Pachla, F. Muhaffel, Crystalline nature of bioactive coatings on titanium manufactured by hydrostatic extrusion followed by micro-arc oxidation, Conference on Applied Crystallography, Książka abstraktów str. OY2-5, Arłamów, 2.09 – 6.09, 2108
 32. A. Oponowicz, M. Marciszko, A. Baczmanski, S. Wronski, M. Wrobel, C. Genzel, M. Klaus, C. Braham, H. Sidhom, Determination of depth-dependent stress profile in the near surface region of mechanically treated samples, 2nd international workshop on Functional Nanostructured Materials : October 11th-12th, 2018, Kraków, Poland : book of abstracts, ed. by Joanna Grudzień, [et al.], p 113. http://www.funam.confer.uj.edu.pl/documents/138825482/0/BookOfAbstracts_FuNaM-2.pdf/8731152d-3472-4665-bb20-a7f4380bce2e
 33. D. Wojtas, K. Wierzbanowski, M. Wroński, K. Sztwiertnia, M. Bieda, R. Chulist, W. Pachla, Mechanical Properties, Microstructure and Texture of Titanium grade 2Pprocessed by Hydrostatic Extrusion, Proc. of 27-th Inter. Conf.: ‘Processing and Fabrication of Advanced Materials – XXVII’, pp. 267-273, 27-29 May 2019, Jonkoping, Sweden
 34. A. Baczmański, P. Kot, E. Gadalińska, S. Wroński, M. Wroński, M. Wróbel, Ch. Scheffzuek, G. Bokuchava, K. Wierzbanowski, Neutron measurements of stresses in Al/SiCp composite during mechanical loading. Processing and fabrication of advanced materials-XXVII : 27–29 May 2019, Jönköping, Sweden : proceedings / eds. Anders E. W. Jarfors, [et al.]. — [Sweden : Jönköping University], [2019]. —p. 295–305
 35. D. Wojtas, K. Wierzbanowski, M. Bieda, R. Chulist, A. Jarzębska, Ł. Maj, K. Sztwiertnia, M. Wróbel, W. Pachla, F. Muhaffel, Phase Composition and Microstructure of Antibacterial Coatings Deposited on Titanium Fabricated by Hydrostatic Extrusion, Proc. of 27-th Inter. Conf.: ‘Processing and Fabrication of Advanced Materials – XXVII’, pp. 274-280, 27-29 May 2019, Jonkoping, Sweden
 36. A. Baczmański, P. Kot, E. Gadalińska, S. Wroński, M. Wroński, M. Wróbel, Ch. Scheffzuek, G. Bokuchava, K. Wierzbanowski, Neutron Measurements of Stresses in Al/SiCp Composite During Mechanical Loading, Proc. of 27-th Inter. Conf.: ‘Processing and Fabrication of Advanced Materials – XXVII’, pp. 295-305, 27-29 May 2019, Jonkoping, Sweden
 37. A. Baczmański, E. Gadalińska, S. Wroński, P. Kot, M. Wroński, M. Wróbel, Ch. Scheffzük, G. Bokuchava, K. Wierzbanowski, Neutron Diffraction Study of Phase Stresses Evolution in Two Phase Polycrystalline Al/SiCp Composite During Elastoplastic Deformation, Proc. of Intern. Conf. on Electron, Positron, Neutron and X-ray Scattering under the External Influences, pp. 114-129, Institute of Applied Problems of Physics, National Academy of Sciences of Armenia, October 21-26, 2019, Yerevan – Meghri, Armenia
 38. A. Baczmański, E. Gadalińska, C. Braham, G. Gonzalez, H. Sidhom, S. Wroński, T. Buslaps, K. Wierzbanowki, Stress localisation in two phases of pearlitic steel during tensile test studied using synchrotron radiation and modelling. International conference on Electron, positron, neutron and X-ray scattering under external influences : Yerevan – Meghri, Armenia, 21–26 October 2019 : book of abstracts. — Yerevan : Institute of Applied Problems of Physics, (2019), p.54

39. D. Wojtas, K. Wierzbanowki, M. Marciszko, A. Baczmański, R. Chulist, A. Jarzębska, X-ray diffraction peak profile analysis of ultrafine-grained titanium litvoby Williamson-Hall models. International conference on Electron, positron, neutron and X-ray scattering under external influences : Yerevan – Meghri, Armenia, 21–26 October 2019 : book of abstracts. — Yerevan: Institute of Applied Problems of Physics, (2019), p. 62
40. D. Wojtas, K. Wierzbanowki, M. Wroński, A. Baczmański, R. Chulist, K. Sztwiertnia, M. Marciszko, W. Pachla, Properties of hydrostatically extruded titanium grade 2 studied by diffraction techniques and mechanical testing. International conference on Electron, positron, neutron and X-ray scattering under external influences : Yerevan – Meghri, Armenia, 21–26 October 2019 : book of abstracts. — Yerevan: Institute of Applied Problems of Physics, (2019), p. 47
41. P. Kot, A. Baczmański, E. Gadalińska, S. Wroński, M. Wroński, M. Wróbel, G. Bokuchava, Ch. Scheffzük, K. Wierzbanowki, Neutron diffraction and elastic-plastic models used to study evolution of phase stresses in Al/Sicp composite during thermal cycling and mechanical loading. International conference on Electron, positron, neutron and X-ray scattering under external influences : Yerevan – Meghri, Armenia, 21–26 October 2019 : book of abstracts. — Yerevan : Institute of Applied Problems of Physics, (2019), p. 63
42. P. Kot, A. Baczmański, E. Gadalińska, S. Wroński, M. Wroński, M. Wróbel, G. Bokuchava, Ch. Scheffzük, K. Wierzbanowski, XI Ogólnopolska Konferencja "Rozpraszanie Neutronów i Metody Komplementarne w Badaniach Fazy Skondensowanej", XI Ogólnopolska Konferencja "Rozpraszanie Neutronów i Metody Komplementarne w Badaniach Fazy Skondensowanej", Chlewiska, 15-20 czerwca (2019) – oral
43. A. Oponowicz, M. Marciszko- Wiąckowska, A. Baczmański, S. Wroński, M. Wrobel, Ch. Genzel, M. Klaus, C. Braham, H. Sidhom, Application of MMXD and MGIXD methods for stress measurements in the mechanically treated surface layer of tungsten, 21-th Inter. Conf.: "Advanced materials and technologies", Kaunas University of Technology, 18.08.2019 - 24.08.2019, Lithuania, Palanga – poster
44. A. Baczmański, P. Kot, S. Wroński, M. Wroński, E. Gadalińska, M. Wróbel, Ch. Scheffzuek and G. Bokuchava, Deformation mechanisms and microstress evolution in polycrystalline materials studied using diffraction and modelling, Condensed Matter Research at the IBR-2 -International Conference, Book of Abstracts, p.102-103, Dubna, Russia (2020) – invited
45. P. Kot, A. Baczmański, M. Wroński, M. Wróbel, S. Wroński and Ch. Scheffzük , K. Wierzbanowski, Investigation of microstress evolution Mg-alloy using TOF neutron diffraction, Condensed Matter Research at the IBR-2 -International Conference, Book of Abstracts, p.105-106, Dubna, Russia, October 12–16 (2020) – oral
46. M. Wróbel , D. Nikolayev, T. Lychagina, M. Kopyściański, S. Dymek, M.S. Węglowski, Z. Sekretarev, A. Baczmański, Comparison of local and global texture in friction stir processed aluminium alloys, Condensed Matter Research at the IBR-2 - International Conference, Book of Abstracts, p.242-243, Dubna, Russia, October 12–16 (2020) – oral
47. A. Oponowicz, M. Marciszko-Wiąckowska, A. Baczmański, M. Klaus, Ch. Genzel, S. Wroński, M. Wróbel, Synchrotron energy dispersive method and grazing incidence X-ray diffraction used used to measure stresses un surface layers of polycrystalline materials, Condensed Matter Research at the IBR-2 -International Conference, Book of Abstracts, p.242-243, Dubna, Russia, October 12–16 (2020) – poster

48. K. Wierzbanowski, M. Wroński, R. Malik, D. Wojtas, S. Wroński, A. Baczański, J. Tarasiuk, Recovery of ECAP Processed Aluminum at Room Temperature during Five Years, 19-th International Conference on Textures of Materials (ICOTOM 19), Virtual Conference, Japan, 1-4 March (2021) – keynote lecture
49. D. Wojtas, A. Mzyk, J. Kawałko, K. Trembecka-Wójciga, K. Wierzbanowski, G. Imbir, M Marzec, Ł. Maj, A Jarzębska, M. Bieda-Niemiec, R. Chulist, K Sztwiertnia, W. Pachla, Texture-related biological properties of severely deformed titanium, 19-th International Conference on Textures of Materials (ICOTOM 19), Virtual Conference, Japan, 1-4 March (2021) – oral
50. M. Wroński, M. Arul Kumar, C. N. Tomé, L. Capolungo, R.J. McCabe, K. Wierzbanowski, Deformation behavior of CP-titanium under strain path changes: Experiment and Crystal plasticity modeling, 19-th International Conference on Textures of Materials (ICOTOM 19), Virtual Conference, Japan, 1-4 March (2021) – oral
51. P. Kot, A. Baczański, M. Muzyka, M. Wroński, M. Wróbel, S. Wroński, Ch. Scheffzük, K. Wierzbanowski, Selective investigation of microstresses for different grain orientations and different phases using TOF neutron diffraction, 19-th International Conference on Textures of Materials (ICOTOM 19), Virtual Conference, Japan, 1-4 March (2021) – oral
52. A. Oponowicz, M. Marciszko-Wiąckowska, A. Baczański, M. Wróbel, Ch. Genzel, M. Klaus, Determining of residual stresses in mechanically polished textured austenitic stainless steel using synchrotron diffraction, 19-th International Conference on Textures of Materials (ICOTOM 19), Virtual Conference, Japan (2021) – poster
53. A. Baczański, P. Kot, M. Muzyka, M. Wroński, S. Wroński, K. Wierzbanowski, Y. Zhao, L. Le Joncour and J. Pilch, Direct measurement of critical resolved shear stresses in textured Mg alloy using neutron diffraction, 19-th International Conference on Textures of Materials (ICOTOM 19), Virtual Conference, Japan, 1-4 March (2021) – oral
54. S. Wroński, M. Wróbel, A. Baczański and K. Wierzbanowski, Modification of crystallographic texture and stress anisotropy by cross-rolling process, 19-th International Conference on Textures of Materials (ICOTOM 19), Virtual Conference, Japan (2021) – oral
55. D. Wojtas, K. Wierzbanowski, M. Wroński, A. Baczański, K. Sztwiertnia, M. Bieda, R. Chulist, W. Pachla, Microstructural, Mechanical and Biological Properties of Nano-Crystalline Pure Titanium, 17-th Intern. Conf. on Advanced Nanomaterials ANM 2021), Virtual Conference, University of Aveiro, 22-24 July 2021, Aveiro, Portugal – oral
56. D. Wojtas, K. Wierzbanowski, M. Wroński, M. Marciszko-Wiąckowska, A. Baczański, K. Sztwiertnia, R. Chulist, W. Pachla, Modification of mechanical properties and microstructure of titanium grade 2 processed by hydrostatic extrusion, International conference on Mechanical Stress Evaluation by Neutron and Synchrotron radiation (MECASSENS 2021), Faculty of Mathematics and Physics. Charles University, Nuclear Physics Institute, Prague, Czech Republic, November 25–27, 2021 – oral
57. P. Kot, A. Baczański, S. Wroński, M. Wroński, J. Pilch, K. Wierzbanowski, C. Scheffzük, G. Bokuchava, Direct diffraction measurement of critical resolved shear stresses and grain stresses in magnesium alloy, International conference on Mechanical Stress Evaluation by Neutron and Synchrotron radiation (MECASSENS 2021), Faculty of Mathematics and Physics. Charles University, Nuclear Physics Institute, Prague, Czech Republic, November 25–27, 2021 – poster

58. S. Wroński, A. Baczmański, S. Szostak, M. Wroński, P. Kot, M. Marciszko-Wiąckowska, K. Wierzbowski, The second order plastic incompatibility stresses in hexagonal polycrystalline materials, International conference on Mechanical Stress Evaluation by Neutron and Synchrotron radiation (MECASSENS 2021), Faculty of Mathematics and Physics. Charles University, Nuclear Physics Institute, Prague, Czech Republic, November 25–27, 2021 – poster
59. A. Oponowicz, M. Wróbel, A. Baczmański, M. Marciszko-Wiąckowska, M., U. Lelek-Borkowska, M. Marzec, M. Stępień Saccharine effect on the microstructure and stress state in nickel electrodeposited on copper substrate International Conference on Mechanical Stress Evaluation by Neutron and Synchrotron radiation (MECASSENS 2021), (2021) Prague, Czech Republic – poster
60. A. Baczmański, M. Marciszko-Wiąckowska, A. Oponowicz, , M. Wróbel, Ch. Braham, R. Wawszczak, New analysis method of multireflection grazing incidence X-ray diffraction International Conference on Mechanical Stress Evaluation by Neutron and Synchrotron radiation (MECASSENS 2021), (2021) Prague, Czech Republic – poster
61. M. Marciszko-Wiąckowska, A. Oponowicz, A. Baczmański, M. Wróbel, Ch. Braham, M. Klaus, Ch. Genzel In-depth evolution of residual stresses and effect of free surface on stress relaxation determined using X-ray diffraction Laplace methods International Conference on Mechanical Stress Evaluation by Neutron and Synchrotron radiation (MECASSENS 2021), (2021) Prague, Czech Republic - Invited oral