

Wykaz Publikacji Naukowych Instytutu Metalurgii i Inżynierii Materiałowej PAN za 2024 rok

		Tytuł czasopisma	Tytuł publikacji	Autor	Autor IMIM	Rok, tom, str. (od-do), nr DOI
A. Publikacje w czasopismach	L.p.					
1. Publikacje w czasopismach zamieszczone w wykazie czasopism	1.	ACS Applied Materials & Interfaces	Evaluation of In Vivo Biocompatibility in Preclinical Studies of a Finger Implant Medical Device Correlated with Mechanical Properties and Microstructure	R. Major, A. Grajoszek, A. Byrski, K. Szawiraacz, J. J. Barski, Ł. Major, M. Gawlikowski, M. Kopernik, M. Kot, A. Dyner, J. M. Lackner	R. Major, A. Byrski, K. Szawiraacz, Ł. Major	2024, 16, 1, 376-388, https://doi.org/10.1021/acsami.3c16742
	2.	ACS Applied Materials & Interfaces	Instability of Formamidinium Lead Iodide (FAPbI) Deposited on a Copper Oxide Hole Transporting Layer (HTL)	K. Gawlińska-Nęcek, M. Kot, Z. Starowicz, A. Jarzębska, P. Panek, J. Ingo Flege	K. Gawlińska-Nęcek, Z. Starowicz, A. Jarzębska, P. Panek	2024, 16, 27936-27943, https://doi.org/10.1021/acsami.4c03440
	3.	ACS Applied Materials & Interfaces	Reaction Dynamics between Formamidinium Lead Iodide and Copper Oxide	K. Gawlińska-Nęcek, M. Kot, Z. Starowicz, M. Janusz-Skuza, P. Panek, L. Marth, P. Plate, J. Ingo Flege	K. Gawlińska-Nęcek, Z. Starowicz, M. Janusz-Skuza, P. Panek	2024, 16, 57878-57887, https://doi.org/10.1021/acsami.4c12990
	4.	ACS Applied Nano Materials	Dual Nature of MoO3 Particles in Human-Derived Macrophage Milieu	P. Navratilova, D. Wojtas, A. Wójcik, S.G. Ullattil, T. Loja, M. P. Goldbergova	A. Wójcik	2024, 7, 21495-2150, https://doi.org/10.1021/acsanm.4c03385
	5.	Acta Crystallographica Section A	Indexing neutron transmission spectra of a rotating crystal	A. Morawiec	A. Morawiec	2024, 80, 379-386, https://doi.org/10.1107/S2053273324007253
	6.	Acta Materialia	Grain boundary self- and Mn impurity diffusion in equiatomic CoCrFeNi multi-principal element alloy	S. Sen, M. Glienke, B. Yadav, M. Vaidya, K. Gururaj, K.G. Pradeep, L. Daum, B. Tas, Ł. Rogal, G. Wilde, S. V Divinski	Ł. Rogal	2024, 264, 11958,8 https://doi.org/10.1016/j.actamat.2023.119588
	7.	Acta Materialia	On twinning and shear banding in copper single crystals with rolling texture orientations plane strain compressed at high strain rate	H. Paul, I. Mania, R. Chulist, S. Puchlerska, M. Prażmowski	H. Paul, I. Mania, R. Chulist	2024, 272, 119934, https://doi.org/10.1016/j.actamat.2024.119934
	8.	Acta Materialia	The effect of temperature on detwinning and mechanical properties of face-centered cubic deformation twins	M. Szczerba, M. Szczerba	M. Szczerba	2024, 263, 119491, https://doi.org/10.1016/j.actamat.2023.119491
	9.	Additive Manufacturing	Microstructure and texture control of Ni-Mn-Ga magnetic shape memory alloys manufactured by laser powder bed fusion	A. Wójcik, R. Chulist, A. Szewczyk, B. Mororczyk, Ł. Zrodowski, R. Wróblewski, M. Kowalczyk, A. Kolano-Burian, P. Zackiewicz, N. Schell, W. Maziarz	A. Wójcik, R. Chulist, A. Szewczyk, W. Maziarz	2024, 86, 104225, https://doi.org/10.1016/j.addma.2024.104225
	10.	Advanced Functional Materials	Adaptive Phase or Variant Formation at the Austenite/Twinned Martensite Interface in Modulated Ni-Mn-Ga Martensite	R. Chulist, A. Wójcik, A. Sozinov, T. Tokarski, M. Faryna, N. Schell, W. Skrotzki, B. Li, H. Sehitoglu, X. Li, W. Maziarz	R. Chulist, A. Wójcik, M. Faryna, W. Maziarz	2024, 34, 2307322, https://doi.org/10.1002/adfm.202307322
	11.	Advanced Materials	The liquid metal age: A transition from Hg to Ga	S. Handschuh-Wang, T. Wang, T. Gancarz, X. Liu, B. Wang, B. He, M. D. Dickey, G. W. Wimmer, F. J. Stadler	T. Gancarz	2024, 36, 2408466, https://doi.org/10.1002/adma.202408466
	12.	Advances In Science and Technology Research Journal	Microstructure and Mechanical Properties of Cold Sprayed Amorphous Coating	W. Zórawski, M. Vicen, A. Trelka-Druzic, A. Górál, M. Makrenek, S. Adamczak, O. Bokuvka	A. Trelka-Druzic, A. Górál	2024, 18, 8, 73-85, https://doi.org/10.12913/22998624/193479

13.	AIP Advances	Precise spectral directional infrared emissivity of a Cantor high-entropy alloy	J. Gabirondo-López, I. López-Ferreño, B. Straumal, A. Gornakova, A. Korneva, O. Kogtenkova, T. Echániz, G.A. Lopez	A. Korneva	2024, 14, 075211, https://doi.org/10.1063/5.0206928
14.	Applied Sciences	In Vitro and In Vivo Testing of Stereolithography (SLA)-Manufactured Haemocompatible Photopolymers for Blood Pump	R. Major, M. Gawlikowski, M. Surmiak, K. Janiczak, J. Więcek, P. Kurtyka, M. Schwentenwein, E. Jasek-Gajda, M. Kopernik, J. M. Lackner	R. Major, P. Kurtyka	2024, 14, 383, https://doi.org/10.3390/app14010383
15.	Archives of Civil and Mechanical Engineering	Compression behavior of cast high-porosity magnesium with directionally oriented structure	K. Janus, Y. Liu, L. Drenchev, A. Burbelko, P. Ostachowski, P. Darlak, J. Piekto, N. Sobczak, R. Krastev, T. Simeonova, J. Tarasiuk, S. Wroński, S. Terlicka, J.J. Sobczak	N. Sobczak, S. Terlicka	2024, 24, 55, https://doi.org/10.1007/s43452-024-00870-4
16.	Archives of Civil and Mechanical Engineering	Effect of atmosphere on the high-temperature interaction of molten Mg-10Ca alloy with steel substrates	S. Terlicka, K. Janus, N. Sobczak, J.J. Sobczak	S. Terlicka, N. Sobczak	2024, 24, 160 https://doi.org/10.1007/s43452-024-00975-w
17.	Archives of Civil and Mechanical Engineering	Mechanism and growth kinetics of Al3Ti phase in fifteen-layered Ti Gr.1/A1050 clads produced with the explosive welding technique	M. Janusz-Skuza, A. Bigos, I. Kwiecień, A. Wierzbicka-Miernik, Z. Szulc, J. Wojewoda-Budka	M. Janusz-Skuza, A. Bigos, I. Kwiecień, A. Wierzbicka-Miernik, Z. Szulc, J. Wojewoda-Budka	2024, 24, 155, https://doi.org/10.1007/s43452-024-00953-2
18.	Archives of Civil and Mechanical Engineering	How to suppress the Kirkendall porosity within the Ti/Ni explosive welds?	J. Wojewoda-Budka, I. Kwiecień, A. Bigos, S. Terlicka, L. Lityńska-Dobrzyńska, P. Petrzak, A. Wierzbicka-Miernik, M. Szczerba, Z. Szulc, E. Rabkin	J. Wojewoda-Budka, I. Kwiecień, A. Bigos, S. Terlicka, L. Lityńska-Dobrzyńska, P. Petrzak, A. Wierzbicka-Miernik, M. Szczerba	2024, 24, 117, https://doi.org/10.1007/s43452-024-00887-9
19.	Archives of Civil and Mechanical Engineering	Correlative electron microscopy of discontinuous precipitation	J. Opara, P. Zięba	P. Zięba	2024, 24, 234, https://doi.org/10.1007/s43452-024-01045-x
20.	Archives of Civil and Mechanical Engineering	Rapidly solidified Al-Cu-Co quasicrystalline alloy: microstructure and catalytic properties	A. Zięba, K. Stan-Głowińska, D. Duraczyńska, L. Lityńska-Dobrzyńska	A. Zięba, K. Stan-Głowińska, D. Duraczyńska, L. Lityńska-Dobrzyńska	2024, 24, 127, https://doi.org/10.1007/s43452-024-00904-x
21.	Archives of Civil and Mechanical Engineering	Morphology and microstructure of Yb2O3 layer formed over aluminide coating produced by pack cementation of Haynes 263 alloy	J. Morgiel, T. Dudziak, E. Rząd, K. Morgiel, F. Kateusz	J. Morgiel	2024, 24, 59, https://link.springer.com/article/10.1007/s43452-024-00869-x
22.	Archives of Metallurgy and Materials	On some Features of the Grain and Subgrain Size in a Cu-Cr-Zr Alloy After ECAP Processing and Aging	K. Abib, B. Alili, T. Baudin, A.L. Helbert, F. Brisset, L. Lityńska-Dobrzyńska, P. Zięba, D. Bradai	L. Lityńska-Dobrzyńska, P. Zięba	2024, 69, 9-16 https://doi.org/10.24425/amm.2024.147776
23.	Beilstein Journal of Nanotechnology	Graphene removal by water-assisted focused electron-beaminduced etching – unveiling the dose and dwell time impact on the etch profile and topographical changes in SiO2 substrates	A. Szkudlarek, J. M. Michalik, I. Serrano-Esparza, Z. Nováček, V. Novotná, P. Ozga, C. Kapusta, J. Maria De Teresa	P. Ozga	2024, 15, 190-198, https://doi.org/10.3762/bjnano.15.18
24.	Biomaterials Advances	Verifying the cytotoxicity of a biodegradable zinc alloy with nanodiamond sensors	D. Wojtas, A. Mzyk, R. Li, M. Zehetbauer, E. Schaffler, A. Jarzębska, B. Sułkowski, R. Schirhagl	D. Wojtas, A. Jarzębska	2024, 162, 1397, https://doi.org/10.1016/j.bioadv.2024.213927
25.	Bulletin of the Polish Academy of Sciences Technical Sciences	The effect of magnesium and copper addition on the microstructure, mechanical properties and corrosion rate of as-cast biodegradable zinc alloys	M. Gieleciak, K. Janus, Ł. Maj, P. Petrzak, M. Bieda, A. Jarzębska	M. Gieleciak, K. Janus, Ł. Maj, P. Petrzak, M. Bieda, A. Jarzębska	2024, 72, 3, 1-9, e149175, https://doi.org/10.24425/bpasts.2024.149175

26.	Ceramics International	Production of metal matrix composite reinforced by TiC by reactive infiltration of cast iron into Ti + C preforms	Ł. Szymański, J. J. Sobczak, K. Peddetti, A. Bigos, T. Tokarski, W. Maziarz, E. Olejnik, R. Chulist, K. Zak, G. Bruzda, N. Sobczak	A. Bigos, W. Maziarz, R. Chulist, N. Sobczak	2024, 50, 10, 17452-17464, https://doi.org/10.1016/j.ceramint.2024.02.233
27.	Chemical Engineering Journal	Spontaneous room temperature reaction of titanium and its alloys with hydrogen during self-shearing reactive milling	Ł. Wyłębska, K. Tomczyk, D. Siemiaszko, D. Zasada, J. Dworecka-Wójcik, M. Pęska, R. Chulist, S. Koter, M. Polański	R. Chulist	2024, 485, 149673, https://doi.org/10.1016/j.cej.2024.149673
28.	Coatings	Microstructure and Tribological Properties of HVOF-Sprayed Nanostructured WC-12Co/Fe3O4 Coatings	W. Zórawski, A. Góral, O. Bokuvka, M. Makrenek, M. Vıcen	A. Góral	2024, 14, 752, https://doi.org/10.3390/coatings14060752
29.	Coatings	Microstructure and phase composition changes in polymer fiber modified Thermocoat™ lining exposed to contact with liquid steel	M. Prochwicz, M. Pomorska, Ł. Maj, J. Morgiel	M. Prochwicz, M. Pomorska, Ł. Maj, J. Morgiel	2024, 14, 183, https://doi.org/10.3390/coatings14020183
30.	Coatings	Synthesis of a Hard Anodic Oxide Coating with a Structure Allowing for Its Modification by Nanoparticles	A. Kozik, M. Nowak, K. Limanówka, A. Góral	A. Góral	2024, 14, 1416, https://doi.org/10.3390/coatings14111416
31.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	Cerium oxide nanoparticles formation and aggregation dynamics	Y. Fu, I. Patel, C. J. Neal, E. Kolanthai, J. Wojewoda-Budka, N. Sobczak, L. Lityńska-Dobrzyńska, S. Seal	J. Wojewoda-Budka, N. Sobczak, L. Lityńska-Dobrzyńska	2024, 699, 134603, https://doi.org/10.1016/j.colsurfa.2024.134603
32.	Comptes Rendus de l'Academie Bulgare des Sciences (Proceedings of the Bulgarian Academy of Sciences)	Fabrication and Characterization of Advanced Selective Plated Copper Coatings Incorporating Nanosized Particles of ZnO and TiO2	D. Veselinov, R. Yankova, H. Skulev, I. Kwiecień, J. Wojewoda-Budka	I. Kwiecień, J. Wojewoda-Budka	2024, 74, 10, 1498-1508, https://doi.org/10.7546/CRABS.2024.10.10
33.	Crystals	Evolution of the Microstructure, Phase Composition and Thermomechanical Properties of the CuZnIn Alloys, Achieved by Thermally Controlled Phase Transitions	A. Sypień, T. Czeppe, A. Wójcik, G. Garzeł, A. Góral, M. Kopyto, Z. Świątek	A. Sypień, T. Czeppe, A. Wójcik, G. Garzeł, A. Góral, M. Kopyto, Z. Świątek	2024, 14, 669, https://doi.org/10.3390/cryst14070669
34.	Electronic Materials Letters	The Copper Oxide with Alkali Potassium Dopant for Heterojunction Solar Cells Application	K. Gawlińska-Nęcek, Z. Starowicz, M. Janusz-Skuza, A. Jarzębska, P. Panek	K. Gawlińska-Nęcek, Z. Starowicz, M. Janusz-Skuza, A. Jarzębska, P. Panek	2024, 20, 548-556, https://doi.org/10.1007/s13391-024-00490-3
35.	Engineering of Biomaterials	Development of atomic layer deposition hemocompatible coatings for materials dedicated for the implants in the cardiovascular environment	K. Szawiraacz, P. Kurtyka, J. Więcek-Chmielarz, Z. Zajęc, M. Basiaga, A. Taratura, R. Ostrowski, R. Major	K. Szawiraacz, J. Więcek-Chmielarz, R. Major	2024, 172, 06, https://doi.org/10.34821/eng.biomat.172.2024.06
36.	Engineering of Biomaterials	Biofunctionalization through the use of polyelectrolyte micelles and erythrocytes	J. Więcek-Chmielarz, W. Kajzer, J. Chwiej, A. Wilk, Z. Zajęc, R. Major	J. Więcek-Chmielarz, R. Major	2024, 172, 07, https://doi.org/10.34821/eng.biomat.172.2024.07
37.	Industrial & Engineering Chemistry Research	Unexpected Impact of N-Alkyl Chain Length in Bis-2-cyanoacrylic Acid Substituted Phenothiazines on the Photovoltaic Response of DSSCs	P. Gnida, S. Zimosz, A. Glinka, M. Ziółek, D. Zych, S. Kotowicz, M. F. Amin, P. Chulkin, G. Kulesza-Matlak, A. Słodek, E. Schab-Balcerzak	G. Kulesza-Matlak	2024, 63, 16, 7133-7153, https://doi.org/10.1021/acs.iecr.4c00045
38.	Intermetallics	High-temperature oxidation and diffusion studies on selected Al-Cr-Fe-Ni high-entropy alloys for potential application in thermal barrier coatings	R. Gawel, Ł. Rogal, G. Smola, Z. Grzesik	Ł. Rogal	2024, 169, 108273, https://doi.org/10.1016/j.intermet.2024.108273
39.	International Journal of Plasticity	Advancement of microstructural evolution and deformation mechanisms in AA6082 aluminum alloy under elevated-temperature tensile loading	O. Lypchanskyi, K. Janus, D. Irmer, A. Wójcik, G. Korpała, U. Prah	K. Janus, A. Wójcik	2024, 176, 103969, https://doi.org/10.1016/j.ijplas.2024.103969
40.	International Journal of Plasticity	Physical mechanism of the intermittent plastic flow at extremely low temperatures	K. Nalepka, B. Skocznię, R. Schmidt, W. Zwolińska-Faryj, E. Schmidt, R. Chulist	R. Chulist	2024, 177, 103994, https://doi.org/10.1016/j.ijplas.2024.103994

41.	Journal of Alloys and Compounds	Severe plastic deformation for producing superfunctional ultrafine-grained and heterostructured materials: An interdisciplinary review	K. Edalati, A.Q. Ahmed, S. Akrami, K. Ameyama at all	R.Chulist, A. Korneva, M. Szczerba	2024, 1002, 174667, https://doi.org/10.1016/j.jallcom.2024.174667
42.	Journal of Alloys and Compounds	Microstructure stability and self-diffusion in the equiatomic HfScTiZr HCP multi-principal element alloy	G.M. Muralikrishna, S. Sen, S.K. Ayyappan, S. Sankaran, K. Guruvadyathri, Ł. Rogal	Ł. Rogal	2024, 976, 173196, https://doi.org/10.1016/j.jallcom.2023.173196
43.	Journal of Alloys and Compounds	First attempt to print Co-based alloys with high glass forming ability by selective laser melting	A. Kuś, V. Rajtukova, W. Pilarczyk, R. Hudak, T. Mehner, Ł. Maj, T. Lampke, A. Małachowska	Ł. Maj	2024, 995, 174680, https://doi.org/10.1016/j.jallcom.2024.174680
44.	Journal of Applied Crystallography	On the magnitude of error in the determination of rotation axes	A. Morawiec	A. Morawiec	2024, 57, 1059–1066, https://doi.org/10.1107/S1600576724004692
45.	Journal of the European Ceramic Society	The influence of sintering additives on densification and phase composition of ZrB2 – HfB2 composite	A. Gubernat, Ł. Zych, K. Kornaus, D. Zientara, S. Komarek, K. Stan-Głowińska, P. Klimczyk, M. P. Odsiadło, J. Dusza, J. Lis, Z. Pędzich	K. Stan-Głowińska	2024, 44, 116685, https://doi.org/10.1016/j.jeurceramsoc.2024.116685
46.	Journal of Magnesium and Alloys	Wettability, reactivity, and interface structure in Mg/Ni system	S. Terlicka, N. Sobczak, Ł. Maj, P. Darlak, J. Sobczak	S. Terlicka, N. Sobczak, Ł. Maj	2024, 12, 659–672, https://doi.org/10.1016/j.jma.2024.01.008
47.	Journal of Magnetism and Magnetic Materials	Microstructure and magnetic properties of Nanomet compacted by spark plasma sintering	M. Thamm, I. Lindemann-Geipel, T. Mix, T. Hutsch, W. Maziarz, M. Karpiński, T. Weißgarber	W. Maziarz	2024, 600, 172121, https://doi.org/10.1016/j.jmmm.2024.172121
48.	Journal of Materials Engineering and Performance	Analysis of the Creep Mechanism of Low-Alloy Steel in Terms of Plastic Deformation	M. Jakubowska, R. Chulist, Ł. Maj, A. Sypień	M. Jakubowska, R. Chulist, Ł. Maj, A. Sypień	2024, 33, 14433–14447, https://doi.org/10.1007/s11665-024-10229-8
49.	Journal of Materials Engineering and Performance	Anisotropy and Temperature Dependence of Annealing During Mechanical Bending in Ni-Mn-Ga-Based Melt-Spun Ribbons	M. Kowalska, P. Czaja, T. Czeppe, Ł. Rogal, M.J. Szczerba	M. Kowalska, P. Czaja, T. Czeppe, Ł. Rogal, M.J. Szczerba	2024, https://doi.org/10.1007/s11665-024-10524-4
50.	Journal of Materials Engineering and Performance	The Process of Steam Oxidation Degradation of High Cr Steel after 125 000 Hours at 568 °C under 16.5 MPa active coating technology (ACT) processes	T. Dudziak, J. Morgiel, G. Golanski, P. Chandran, K. Chat-Wilk, A. Polkowska	J. Morgiel	2024, 33, 13543 - 13552, https://doi.org/10.1007/s11665-024-09881-x
51.	Journal of Materials Science	Diffusion in ultra-fine-grained CoCrFeNiMn high entropy alloy processed by equal-channel angular pressing	Y. Jiang, Y. Liu, Hongbo Zhou, S. Taheriniya, B. Bian, Ł. Rogal, J. Tao Wang, S. Divinski, G. Wilde	Ł. Rogal	2024, 59, 5805–5817, https://doi.org/10.1007/s10853-024-09463-1
52.	Journal of Materials Science	Optimization of the ETL titanium dioxide layer for inorganic perovskite solar cells.	W. Bulowski, A. Szwanda, K. Gawlińska-Nęcek, P. Panek, M. Lipiński, M. Janusz-Skuza, M. J. Szczerba, Ł. Majchrowicz, A. Mahapatra, D. Prochowicz, Z. Starowicz	K. Gawlińska-Nęcek, P. Panek, M. Lipiński, M. Janusz-Skuza, M. J. Szczerba, Z. Starowicz	2024, 59, 7283–7298, https://doi.org/10.1007/s10853-024-09581-w
53.	Journal of Materials Science	Effect of pre-annealing on the formation of the ω-phase in the Ti–2wt.% V alloy after high pressure torsion	G.S. Davdian, A.S. Gornakova, B.B. Straumal, A. Korneva, N.S. Afonikova, E.A. Novikova, A.I. Tyurin	A. Korneva	2024, 59, 5771–5786, https://doi.org/10.1007/s10853-024-09395-w
54.	Journal of Materials Science	Effect of twist-channel angular pressing on precipitation in Al–Mg–Zn–Ga alloys	K. Stan-Głowińska, Ł. Rogal, A. Wójcik, O. Hilser, S. Rusz, M. Greger, W. Maziarz	K. Stan-Głowińska, Ł. Rogal, A. Wójcik, W. Maziarz	2024, 59, 4324–4336, https://doi.org/10.1007/s10853-024-09479-7
55.	Journal of Materials Research and Technology	Microstructure and mechanical properties of Al/TiC and Al/(Ti,W)C nanocomposites fabricated via in situ casting method	W. Maziarz, A. Wójcik, R. Chulist, A. Bigos, P. Kurtyka, Ł. Szymanski, A. J. Zabaleta, M. García de Cortazar, E. Olejnik	W. Maziarz, A. Wójcik, R. Chulist, A. Bigos	2024, 28, 1852–1863, https://doi.org/10.1016/j.jmrt.2023.12.126

56.	Journal of Materials Research and Technology	Microstructure-properties relation of hydrostatically extruded absorbable zinc alloys: Effect of Mg and Cu addition on corrosion properties and biocompatibility	A. Jarzębska, M. Gieleciak, A. Bigos, Ł. Maj, K. Trembecka-Wójciga, M. Bugajska, M. Bieda, Ł. Rogal, J. Kawałko, S. Przybysz, D. Wojtas, A. Mzyk, R. Schirhagl	A. Jarzębska, M. Gieleciak, A. Bigos, Ł. Maj, K. Trembecka-Wójciga, M. Bugajska, M. Bieda, Ł. Rogal, D. Wojtas	2024, 30, 283-294, https://doi.org/10.1016/j.jmrt.2024.03.044
57.	Journal of Microscopy	Microstructural and micromechanical characteristics of composite osteoconductive coatings deposited by theatmospheric pressure plasma technique	Ł. Major, D. F. Kopp, R. Major, J. M. Lackner	Ł. Major, R. Major	2024, 295, 2, 177-190, https://doi.org/10.1111/jmi.13285
58.	Journal of Mining and Metallurgy, Section B: Metallurgy	Electrochemical investigation and thermodynamic assessment of the Mg-Pd system	W. Gierlotka, S. Terlicka, W. Gąsior, A. Dębski, M. Pęska, M. Polański	S. Terlicka, W. Gąsior, A. Dębski	2024, 60, 105-116, https://doi.org/10.2298/JMMB230908009G
59.	Journal of Molecular Liquids	The thermophysical properties of Ga-Na liquid alloys	T. Gancarz	T. Gancarz	2024, 413, 125640, https://doi.org/10.1016/j.molliq.2024.125940
60.	Journal of Molecular Liquids	Wettability and reactivity of liquid aluminium and highly deformed steel	M. Bugajska, S. Terlicka, A. Bigos, M. Janusz-Skuza, M. Bieda-Niemiec, I. Kwiecień, N. Sobczak, J. Wojewoda-Budka	M. Bugajska, S. Terlicka, A. Bigos, M. Janusz-Skuza, M. Bieda-Niemiec, I. Kwiecień, N. Sobczak, J. Wojewoda-Budka	2024, 409, 125379, https://doi.org/10.1016/j.molliq.2024.125379
61.	Journal of Physics: Conference Series	Microstructural changes near the interface of eleven-layered AZ31/AA1050 composites fabricated by single-shot explosive welding	H. Paul, S. Pulchterska, R. Chulist, Z. Szulc, M. Miszczyk, N. Schell, I. Mania	H. Paul, R. Chulist, M. Miszczyk, I. Mania	2024, 2680, 012002, https://doi.org/10.1088/1742-6596/2680/1/012002
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