

ГОЛОВИН ИГОРЬ СТАНИСЛАВОВИЧ

Национальный исследовательский технологический университет "МИСиС",
Металловедение цветных металлов и не только (Москва)

№	Публикация	Цитирований
1	LOW-TEMPERATURE METASTABLE-TO-EQUILIBRIUM PHASE TRANSITIONS IN FE-GA ALLOYS <i>Mohamed A.K., Palacheva V.V., Cheverikin V.V., Balagurov A.M., Golovin I.S., Vershinina T.N., Muralikrishna G.M., Esakkiraja N., Divinski S.V., Wilde G.</i> Intermetallics. 2022. T. 145. C. 107540.	0
2	STRUCTURE EVOLUTION OF AS-CAST METASTABLE FE-38GA ALLOY TOWARDS EQUILIBRIUM <i>Vershinina T.N., Bobrikov I.A., Sumnikov S.V., Balagurov A.M., Mohamed A.K., Golovin I.S.</i> Journal of Alloys and Compounds. 2022. T. 889. C. 161782.	1
3	ENHANCEMENT OF THE MAGNETO-MECHANICAL PROPERTIES IN DIRECTIONAL SOLIDIFIED FE₈₀AL₂₀ ALLOYS BY DOPING TB <i>Chang H.W., Liao Y.H., Tseng D.H., Hsieh H.Y., Chang W.C., Jen S.U., Chiu C.H., Cifre J., Chubov D.G., Golovin I.S.</i> Journal of Alloys and Compounds. 2022. T. 893. C. 162262.	0
4	COHERENT CLUSTER ORDERING IN FE-XAL AND FE-XGA ALLOYS <i>Balagurov A.M., Bobrikov I.A., Sumnikov S.V., Golovin I.S.</i> Journal of Alloys and Compounds. 2022. T. 895. C. 162540.	0
5	KINETICS OF THE ISOTHERMAL A2 TO SIGMA PHASE TRANSFORMATION IN FE-CR ALLOY <i>Samoylova N.Y., Bobrikov I.A., Vasin R.N., Balagurov A.M., Korneeva E.A., Golovin I.S.</i> Journal of Alloys and Compounds. 2022. T. 913. C. 165282.	0
6	MAGNETOSTRICTION AND DAMPING OF FORCED VIBRATIONS IN FE-CR-MO-AL ALLOY <i>Mohamed A.K., Zadorozhnyy M.Y., Mansouri Y., Golovin I.S.</i> Materials Letters. 2022. T. 314. C. 131863.	0
7	DEFORMATION OF CU-PD-P METALLIC GLASS UNDER CYCLIC MECHANICAL LOAD ON CONTINUOUS HEATING <i>Berezner A.D., Fedorov V.A., Zadorozhnyy M.Y., Golovin I.S., Louzguine-Luzgin D.V.</i> Theoretical and Applied Fracture Mechanics. 2022. T. 118. C. 103262.	1
8	DEFORMATION OF CU-PD-P METALLIC GLASS UNDER CYCLIC MECHANICAL LOAD ON CONTINUOUS HEATING <i>Fedorov V.A., Berezner A.D., Zadorozhnyy M.Yu., Golovin I.S., Louzguine-Luzgin D.V.</i> В книге: Физика конденсированных состояний. Тезисы II Международной конференции ФКС-2021, посвященной 90-летию со дня рождения академика Ю. А. Осипьяна (1931-2008). Черноголовка, 2021. С. 172.	0
9	ОПТИМИЗАЦИЯ СТРУКТУРЫ ФУНКЦИОНАЛЬНЫХ СПЛАВОВ НА ОСНОВЕ СИСТЕМЫ FE-AL <i>Чубов Д.Г., Мочуговский А.Г., Палачева В.В.</i> В сборнике: Металловедение и металлофизика легких сплавов. Сборник материалов конференции V Международной школы для молодежи. Екатеринбург, 2021. С. 78-80.	0
10	COMPOSITION DEPENDENCE OF TRACER DIFFUSION COEFFICIENTS IN FE-GA ALLOYS: A CASE STUDY BY A TRACER-DIFFUSION COUPLE METHOD <i>Muralikrishna G.M., Tas B., Divinski S.V., Kumar K.C.H., Esakkiraja N., Paul A., Esin V.A., Golovin I.S., Belova I.V., Murch G.E.</i> Acta Materialia. 2021. T. 203. C. 116446.	1
11	IN-GRAIN PHASE SEPARATION AND STRUCTURAL ORDERING IN FE-GA ALLOYS SEEN FROM RECIPROCAL SPACE <i>Balagurov A.M., Bobrikov I.A., Sumnikov S.V., Chernyshov D.Y., Bosak A., Golovin I.S.</i> Intermetallics. 2021. T. 128. C. 107016.	4
12	FE₁₃GA₉ INTERMETALLIC IN BCC-BASE FE-GA ALLOY <i>Leineweber A., Becker H., Boev A., Bobrikov I.A., Balagurov A.M., Golovin I.S.</i> Intermetallics. 2021. T. 131. C. 107059.	7
13	CRYSTAL STRUCTURE AND PHASE COMPOSITION EVOLUTION DURING HEAT TREATMENT OF FE-45GA ALLOY <i>Vershinina T.N., Bobrikov I.A., Sumnikov S.V., Balagurov A.M., Mohamed A.K., Golovin I.S., Boev A.O.</i> Intermetallics. 2021. T. 131. C. 107110.	8
14	SPINODAL DECOMPOSITION INFLUENCE OF AUSTENITE ON MARTENSITIC TRANSITION IN A MN-13 AT.%CU ALLOY <i>Sun L., Churyumov A.Y., Golovin I.S., Sumnikov S.V., Islamov A.K., Vasin R.N., Bobrikov I.A., Balagurov A.M., Cheng W.C.</i> Journal of Alloys and Compounds. 2021. T. 853. C. 157061.	2
15	EFFECT OF HEAT TREATMENT ON THE GRAIN SIZE CONTROL, SUPERPLASTICITY, INTERNAL FRICTION, AND MECHANICAL PROPERTIES OF ZIRCONIUM-BEARING ALUMINUM-BASED ALLOY <i>Mochugovskiy A.G., Mikhaylovskaya A.V., Zadorozhnyy M.Y., Golovin I.S.</i> Journal of Alloys and Compounds. 2021. T. 856. C. 157455.	9
16	19TH INTERNATIONAL CONFERENCE ON INTERNAL FRICTION AND MECHANICAL SPECTROSCOPY <i>Golovin I.S., Cordero F.</i> Journal of Alloys and Compounds. 2021. T. 856. C. 157688.	0
17	MECHANICAL SPECTROSCOPY OF ATOMIC ORDERING IN FE-(16-21)GA-RE ALLOYS <i>Golovin I.S., Palacheva V.V., Mohamed A.K., Samoylova N.Y., Balagurov A.M., Cifre J., Dubov L.Y.</i> Journal of Alloys and Compounds. 2021. T. 864. C. 158819.	5

- 18 **MECHANICAL SPECTROSCOPY OF PHASE TRANSITIONS IN FE-(23-38)GA-RE ALLOYS** 3
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- 19 **PHASE TRANSITIONS IN FE-(23-24)GA ALLOYS: EXPERIMENTAL RESULTS AND MODELING** 1
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- 20 **SPINODAL DECOMPOSITION IN TERNARY MN-CU-CR ALLOY AND ITS INFLUENCE ON MARTENSITIC TRANSITION TEMPERATURES** 0
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- 21 **РАССЕЯНИЕ НЕЙТРОНОВ В ИССЛЕДОВАНИЯХ ФУНКЦИОНАЛЬНЫХ СПЛАВОВ НА ОСНОВЕ ЖЕЛЕЗА (FE-GA, FE-AL)** 0
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- 22 **ТЕКСТУРА И МАГНИТОСТРИКЦИЯ СПЛАВА FE-GA ПОСЛЕ ТЕПЛОЙ ПРОКАТКИ И РЕКРИСТАЛЛИЗАЦИИ** 1
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- 23 **NEUTRON SCATTERING IN STUDIES OF FE-BASED FUNCTIONAL ALLOYS (FE-GA, FE-AL)** 2
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- 25 **DEFORMATION OF AL₈₅Y₈NI₅CO₂ METALLIC GLASSES UNDER CYCLIC MECHANICAL LOAD AND UNIFORM HEATING** 1
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- 26 **BORON INTERACTION WITH DO₃ PHASE IN FE-(27-29)GA ALLOYS** 0
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- 28 **THE FE-GA PHASE DIAGRAM: REVISITED** 18
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- 30 **FE-GA-TB ALLOYS FOR SOFT MAGNETIC APPLICATIONS** 5
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- 31 **EFFECT OF HIGH MAGNETIC FIELD ON THE PHASE TRANSITION IN FE-24%GA AND FE-27%GA DURING ISOTHERMAL ANNEALING** 3
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- 32 **EFFECT OF THERMAL CYCLING ON MICROSTRUCTURE AND DAMPING CAPACITY OF FE-26MN-4SI ALLOY** 3
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- 33 **INTERNAL FRICTION IN Ti_{29.7}Ni_{50.3}Hf₂₀ ALLOY WITH HIGH TEMPERATURE SHAPE MEMORY EFFECT** 8
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- 34 **TIME-TEMPERATURE-TRANSFORMATION FROM METASTABLE TO EQUILIBRIUM STRUCTURE IN FE-GA** 20
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- 35 **INFLUENCE OF SPINODAL DECOMPOSITION ON STRUCTURE AND THERMOELASTIC MARTENSITIC TRANSITION IN MN-CU-AL-NI ALLOY** 3

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- 36 **FIRST- AND SECOND-ORDER PHASE TRANSITIONS IN FE-(17-19)AT.%GA ALLOYS** 12
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- 37 **VOLUME EFFECT UPON MARTENSITIC TRANSFORMATION IN $\text{Ti}_{29.7}\text{Ni}_{50.3}\text{HF}_{20}$ HIGH TEMPERATURE SHAPE MEMORY ALLOY** 8
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- 38 **СТРУКТУРА И СВОЙСТВА FE–GA–СПЛАВОВ – ПЕРСПЕКТИВНЫХ МАТЕРИАЛОВ ДЛЯ ЭЛЕКТРОНИКИ** 15
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- 39 **TEMPERATURE EVOLUTION OF FE-27GA STRUCTURE: COMPARISON OF IN SITU X-RAY AND NEUTRON DIFFRACTION STUDIES** 5
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- 42 **MICROSTRUCTURE INVESTIGATION ON MAGNETOSTRICTIVE $\text{Fe}_{100-x}\text{Ga}_x$ AND $(\text{Fe}_{100-x}\text{Ga}_x)_{99.8}\text{TB}_{0.2}$ ALLOYS FOR $19 \leq x \leq 29$** 20
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- 44 **MECHANICAL SPECTROSCOPY AS AN IN SITU TOOL TO STUDY FIRST AND SECOND ORDER TRANSITIONS IN METASTABLE FE-GA ALLOYS** 10
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- 47 **MECHANICAL SPECTROSCOPY AS AN IN SITU TOOL TO STUDY ANELASTICITY OF MARTENSITIC TRANSITION IN FE-16MN-8CR-2CO ALLOY** 1
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- 50 **ЭФФЕКТЫ УПОРЯДОЧЕНИЯ В FE-XAL СПЛАВАХ** 1
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- 52 **ВЛИЯНИЕ МИКРОЛЕГИРОВАНИЯ И ТЕРМИЧЕСКОЙ ОБРАБОТКИ НА СТРУКТУРУ И СВОЙСТВА ГАЛФЕНОЛОВ С ВЫСОКИМ СОДЕРЖАНИЕМ ГАЛЛИЯ** 2
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- 53 **THE FIRST- AND SECOND-ORDER ISOTHERMAL PHASE TRANSITIONS IN Fe_3Ga -TYPE** 14

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- 54 **DISPERSED CLUSTERS IN (FE,CR)₃AL ALLOYS: NEUTRON TIME-OF-FLIGHT DIFFRACTION STUDY** 6
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- 55 **ФАЗОВЫЕ ПРЕВРАЩЕНИЯ В ФУНКЦИОНАЛЬНЫХ СПЛАВАХ СИСТЕМ FE-GA И FE-GA-RE** 0
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- 56 **ANTIPHASE DOMAINS OR DISPERSED CLUSTERS? NEUTRON DIFFRACTION STUDY OF COHERENT ATOMIC ORDERING IN FE₃AL-TYPE ALLOYS** 17
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- 60 **STRUCTURE AND MAGNETIC PROPERTIES OF FE-GA ALLOYS DOPED BY TB** 18
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- 61 **FROM METASTABLE TO STABLE STRUCTURE: THE WAY TO CONSTRUCT FUNCTIONALITY IN FE-27GA ALLOY** 15
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- 63 **ANELASTICITY OF IRON-ALUMINIDE FE₃AL TYPE SINGLE AND POLYCRYSTALS** 9
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- 66 **ANOMALOUS BEHAVIOR OF AN $\alpha \rightarrow \gamma$ PHASE TRANSITION IN IRON: RESULTS OF IN SITU NEUTRON DIFFRACTION EXPERIMENT** 6
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