

1. Novel  $\alpha + \beta$  Type Ti-Fe-Cu Alloys Containing Sn with Pertinent Mechanical Properties

Vladislav Zadorozhnyy, Sergey V. Ketov, Takeshi Wada, Stefan Wurster, Vignesh Nayak, Dmitri V. Louzguine-Luzgin, Jürgen Eckert, Hidemi Kato, *Metals* 2020, 10, 34; doi:10.3390/met10010034

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2. Structure and mechanical properties of Ti-Based alloys containing Ag subjected to a thermomechanical treatment

Vladislav Zadorozhnyy, Alexey Kopylov, Mikhail Gorshenkov, Elena Shabanova, Mikhail Zadorozhnyy, Alexander Novikov, Aleksey Maksimkin, Takeshi Wada, Dmitri V. Louzguine-Luzgin, Hidemi Kato, *Journal of Alloys and Compounds* 781 (2019) 1182-1188

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3. Mechanical properties, electrochemical behavior and biocompatibility of the Ti-based low-alloys containing a minor fraction of noble metals

V.Yu. Zadorozhnyy, D.S. Kozak X. Shi, T. Wada, D.V. Louzguine-Luzgin, H. Kato, *Journal of Alloys and Compounds* 732 (2018) 915-921

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4. Mechanical Properties and Biocompatibility of the Ti-Based Low-Alloys Minor Alloying by the Noble Metals

ZADOROZHNYI Vladislav Yu., SHI Xuetao, WADA Takishi, KATO Hidemi, LOUZGUINE-LUZGIN Dmitry V.

*Nano Hybrids and Composites*, ISSN: 2297-3400, Vol. 13, pp 63-68, doi:10.4028/www.scientific.net/NHC.13.63

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5. Electrochemical behavior and biocompatibility of Ti-Fe-Cu alloy with high strength and ductility

V.Yu. Zadorozhnyy, X. Shi, D.S. Kozak, T. Wada, J.Q. Wang, H. Kato, D.V. Louzguine-Luzgin, *Journal of Alloys and Compounds*\_Ismanam-2016

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6. Mechanical properties, structure, and biocompatibility of dual-axially forged  $Ti_{94}Fe_3Au_3$ ,  $Ti_{94}Fe_3Nb_3$ , and  $Ti_{94}Au_3Nb_3$  alloys

V.Yu. Zadorozhnyy, X. Shi, A.N. Kopylov, I.V. Shchetinin, T. Wada,

D.V. Louzguine-Luzgin, H. Kato, Journal of Alloys and Compounds\_ Ismanam-2016

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7. Ti–Ag–Pd alloy with good mechanical properties and high potential for biological applications

V. Yu. Zadorozhnyy, X. Shi, M. V. Gorshenkov, D. S. Kozak, T. Wada, D. V. Louzguine, Luzgin, A. Inoue, H. Kato, Scientific Reports | 6:25142 | DOI: 10.1038/srep25142, 2016

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8. Investigation of structure–mechanical properties relations of dual-axially forged Ti-based low-alloys

V.Yu.Zadorozhnyy, I.V.Shchetinin, M.V.Zheleznyi, N.V.Chirikov, T.Wada, H. Kato, D.V.Louzguine-Luzgin, Materials Science&EngineeringA632(2015)88–95

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