

Lajos K Varga

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

452
citations

840776

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713466

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docs citations

22
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical design of single phase high-entropy alloys with high hardness. <i>Intermetallics</i> , 2015, 58, 1-6.	3.9	155
2	Hydrogen storage of nanocrystalline Mg ₄₀ Ni alloy processed by equal-channel angular pressing and cold rolling. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9911-9917.	7.1	44
3	Ab initio study of Al ₁₀ MoNbTiV high-entropy alloys. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 075401.	1.8	35
4	Characterization of luminescent silicon carbide nanocrystals prepared by reactive bonding and subsequent wet chemical etching. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	33
5	Use of Arrott plots to identify Néel temperature (T _N) in metamagnetic Ni ₄₈ Co ₆ Mn ₂₆ Al ₂₀ polycrystalline ribbons. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	23
6	Effects of the sp element additions on the microstructure and mechanical properties of NiCoFeCr based high entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 669, 14-19.	5.6	23
7	Systematic study of structural, transport, and magnetic properties of Ni ₅₂ Mn ₂₆ Al ₂₂ (100% ₀) melt-spun ribbons. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	21
8	Effect of Co addition on nanocrystallization and soft magnetic properties of (Fe _{1-x} Co _x) ₇₅ Fe ₁₀ Ti ₅ Al ₁₀ melt-spun ribbons. <i>Journal of Applied Physics</i> , 2011, 109, .	2.3	17
9	Microstructures and transition from brittle to ductile behavior of NiFeCrMoW High Entropy Alloys. <i>Materials Letters</i> , 2017, 195, 14-17.	2.6	15
10	Weak Antilocalization and Quantum Oscillations of Surface States in Topologically Nontrivial DyPdBi(110)Half Heusler alloy. <i>Scientific Reports</i> , 2018, 8, 9931.	3.3	15
11	Creep or tensile stress induced anisotropy in FINEMET-type ribbons?. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 374, 587-590.	2.3	14
12	Magnetically induced anisotropy in Co rich Finemet type nanocrystalline alloys. <i>Journal of Alloys and Compounds</i> , 2009, 483, 560-562.	5.5	9
13	Thickness-dependent magneto-transport properties of topologically nontrivial DyPdBi thin films. <i>Nanotechnology</i> , 2020, 31, 384001.	2.6	9
14	Tailoring the magnetization linearity of Finemet type nanocrystalline cores by stress induced anisotropies. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166327.	2.3	8
15	Correlation between microstructural evolution during high-pressure torsion and isothermal heat treatment of amorphous Al ₈₅ Gd ₈ Ni ₅ Co ₂ alloy. <i>Journal of Materials Research</i> , 2010, 25, 1388-1397.	2.6	6
16	Large exchange bias in polycrystalline ribbons of Ni ₅₆ Mn ₂₁ Al ₂₂ Si ₁ . <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 394, 143-147.	2.3	6
17	Evolution of the phase structure after different heat treatments in NiCoFeCrGa high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2018, 743, 234-239.	5.5	6
18	Improved Synthesis of Bulk Metallic Glasses by Current-Assisted Copper Mold Casting. <i>Advanced Engineering Materials</i> , 2011, 13, 38-42.	3.5	5

#	ARTICLE	IF	CITATIONS
19	High pressure torsion of binary Cu _{64.5} Zr _{35.5} alloy. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1185-1189.	1.8	2
20	Hydrogenation of Nanocrystalline Mg ₂ Ni Alloy Prepared by High Energy Ball-Milling Followed by Equal-Channel Angular Pressing or Cold Rolling. Advances in Science and Technology, 0, , .	0.2	2
21	Large exchange-bias in Ni ₅₅ Mn ₁₉ Al ₂₄ Si ₂ polycrystalline ribbons. Physica B: Condensed Matter, 2014, 448, 143-146.	2.7	2
22	A Sequence of Phase Transformations and Phases in NiCoFeCrGa High Entropy Alloy. Materials, 2021, 14, 1076.	2.9	2