Lajos K Varga

List of Publications by Year
in descending order

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22	452	840776 11	713466 21
papers	citations	h-index	g-index

22	22	22	610
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Sequence of Phase Transformations and Phases in NiCoFeCrGa High Entropy Alloy. Materials, 2021, 14, 1076.	2.9	2
2	Tailoring the magnetization linearity of Finemet type nanocrystalline cores by stress induced anisotropies. Journal of Magnetism and Magnetic Materials, 2020, 500, 166327.	2.3	8
3	Thickness-dependent magneto-transport properties of topologically nontrivial DyPdBi thin films. Nanotechnology, 2020, 31, 384001.	2.6	9
4	Evolution of the phase structure after different heat treatments in NiCoFeCrGa high entropy alloy. Journal of Alloys and Compounds, 2018, 743, 234-239.	5.5	6
5	Weak Antilocalization and Quantum Oscillations of Surface States in Topologically Nontrivial DyPdBi(110)Half Heusler alloy. Scientific Reports, 2018, 8, 9931.	3.3	15
6	Microstructures and transition from brittle to ductile behavior of NiFeCrMoW High Entropy Alloys. Materials Letters, 2017, 195, 14-17.	2.6	15
7	Effects of the sp element additions on the microstructure and mechanical properties of NiCoFeCr based high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 669, 14-19.	5.6	23
8	Ab initio study of Al_xMoNbTiV high-entropy alloys. Journal of Physics Condensed Matter, 2015, 27, 075401.	1.8	35
9	Large exchange bias in polycrystalline ribbons of Ni56Mn21Al22Si1. Journal of Magnetism and Magnetic Materials, 2015, 394, 143-147.	2.3	6
10	Creep or tensile stress induced anisotropy in FINEMET-type ribbons?. Journal of Magnetism and Magnetic Materials, 2015, 374, 587-590.	2.3	14
11	Empirical design of single phase high-entropy alloys with high hardness. Intermetallics, 2015, 58, 1-6.	3.9	155
12	Large exchange-bias in Ni55Mn19Al24Si2 polycrystalline ribbons. Physica B: Condensed Matter, 2014, 448, 143-146.	2.7	2
13	Hydrogen storage of nanocrystalline Mgâ€“Ni alloy processed by equal-channel angular pressing and cold rolling. International Journal of Hydrogen Energy, 2014, 39, 9911-9917.	7.1	44
14	Use of Arrott plots to identify NÃ©el temperature (TN) in metamagnetic Ni48Co6Mn26Al20 polycrystalline ribbons. Journal of Applied Physics, 2013, 114, .	2.5	23
15	Characterization of luminescent silicon carbide nanocrystals prepared by reactive bonding and subsequent wet chemical etching. Applied Physics Letters, 2011, 99, .	3.3	33
16	Improved Synthesis of Bulk Metallic Glasses by Currentâ€Assisted Copper Mold Casting. Advanced Engineering Materials, 2011, 13, 38-42.	3.5	5
17	Systematic study of structural, transport, and magnetic properties of Ni52+xMn26â^'xAl22 (1â€‰â‰¤â€‰xâ€‰â‰¤â€‰5) melt-spun ribbons. Journal of Applied Physics, 2011, 109, .	2.5	21
18	Correlation between microstructural evolution during high-pressure torsion and isothermal heat treatment of amorphous Al₈₅Gd₈Ni₅Co₂ alloy. Journal of Materials Research, 2010, 25, 1388-1397.	2.6	6

#	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	Magnetically induced anisotropy in Co rich Finemet type nanocrystalline alloys. Journal of Alloys and Compounds, 2009, 483, 560-562.	5.5	9
21	Effect of Co addition on nanocrystallization and soft magnetic properties of (Fe1âˆ'Co) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 66	2.3	17
22	Hydrogenation of Nanocrystalline Mg₂Ni 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