

Bostjan Markoli

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microstructural characterization of alloys of the quasibinary Cu-NiBe system. International Journal of Materials Research, 2022, 94, 876-879.	0.3	0
2	The Influence of Age Hardening and Shot Peening on the Surface Properties of 7075 Aluminium Alloy. Materials, 2021, 14, 2220.	2.9	7
3	Microstructural insights into the coercivity enhancement of grain-boundary-diffusion-processed Tb-treated Nd-Fe-B sintered magnets beyond the core-shell formation mechanism. Journal of Alloys and Compounds, 2021, 864, 158915.	5.5	17
4	Influence of Ga on the formation of phases in cast Al-Mn-based alloys. Intermetallics, 2021, 136, 107263.	3.9	0
5	Crystal Structure, Microstructure and Electronic Properties of a Newly Discovered Ternary Phase in the Al-Cr-Sc System. Crystals, 2021, 11, 1535.	2.2	1
6	Development of an Al-Mn-Si-Based Alloy with an Improved Quasicrystalline-Forming Ability. Jom, 2020, 72, 1533-1539.	1.9	5
7	Synthesis of an Al-Mn-Based Alloy Containing In Situ-Formed Quasicrystals and Evaluation of Its Mechanical and Corrosion Properties. Jom, 2018, 70, 2698-2703.	1.9	5
8	Epitaxial growth of a metastable icosahedral quasicrystal on a stable icosahedral quasicrystal substrate. Scripta Materialia, 2018, 150, 92-95.	5.2	7
9	Metastable quasicrystals in Al-Mn alloys containing copper, magnesium and silicon. Journal of Materials Science, 2017, 52, 13657-13668.	3.7	15
10	Hot work roller surface layer degradation progress during thermal fatigue in the temperature range 500-700 °C. International Journal of Fatigue, 2017, 104, 355-365.	5.7	19
11	Microstructural Anisotropy of Magnetocaloric Gadolinium Cylinders: Effect on the Mechanical Properties of the Material. Materials, 2016, 9, 382.	2.9	2
12	Stabilisation of Ce-Cu-Fe amorphous alloys by addition of Al. Philosophical Magazine, 2016, 96, 3143-3158.	1.6	0
13	Study of anneal hardening in cold worked Cu-Au alloy. Journal of Alloys and Compounds, 2016, 658, 414-421.	5.5	10
14	Anneal hardening in cold rolled PM Cu-Au alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 658, 393-399.	5.6	4
15	Microstructural changes in quasicrystalline Al-Mn-Be-Cu alloy after various heat treatments. International Journal of Materials Research, 2015, 106, 342-351.	0.3	3
16	Electrodeposited hard-magnetic Fe ₅₀ Pd ₅₀ nanowires from an ammonium-citrate-based bath. Journal of Alloys and Compounds, 2014, 605, 71-79.	5.5	15
17	The Effect of Surface Roughness on the Corrosion Properties of Type AISI 304 Stainless Steel in Diluted NaCl and Urban Rain Solution. Journal of Materials Engineering and Performance, 2014, 23, 1695-1702.	2.5	39
18	The influence of the chemical composition and type of alloy on corrosion performances of some medium strength Al-Mg-Si series of alloys. Metallurgical and Materials Engineering, 2014, 20, 131-140.	0.5	2

#	ARTICLE	IF	CITATIONS
19	The Influence of the Chemical Composition on the Corrosion Performances of Some Al-Fe-Si, Al-Mg-Si and Al-Mg-Mn Type of Alloys. Metallurgical and Materials Engineering, 2014, 20, 217-234.	0.5	6
20	Corrigendum to "The experimental investigation of phase equilibria in the Al-rich corner within the ternary Al-Mn-Be system". J. Alloys Compd. 570 (2013) 125-132. Journal of Alloys and Compounds, 2013, 576, 30.	0.5	0
21	The experimental investigation of phase equilibria in the Al-rich corner within the ternary Al-Mn-Be system. Journal of Alloys and Compounds, 2013, 570, 125-132.	5.5	5
22	Phases in the Al-Corner of the Al-Mn-Be System. Microscopy and Microanalysis, 2013, 19, 1308-1316.	0.4	9
23	Behaviour of a quasicrystalline strengthened Al-alloy during compression testing. Materialwissenschaft Und Werkstofftechnik, 2012, 43, 340-344.	0.9	12
24	The nanostructure of non-oriented electrical steel sheets. Journal of Magnetism and Magnetic Materials, 2010, 322, 3041-3048.	2.3	17
25	Microstructural, compositional and magnetic characterization of electrodeposited and annealed Co-Pt-based thin films. Thin Solid Films, 2010, 518, 1751-1755.	1.8	16
26	Formation of core-shell and hollow nanospheres through the nanoscale melt-solidification effect in the Sm-Fe(Ta)-N system. Nanotechnology, 2010, 21, 485603.	2.6	6
27	Microindentation of dispersed phases in an Al ₉₄ Mn ₂ Be ₂ Cu ₂ alloy. Journal of Alloys and Compounds, 2010, 505, 486-491.	5.5	10
28	Determination of fracture toughness on hard particles embedded in a soft matrix using microindentation and electron microscopy. Praktische Metallographie/Practical Metallography, 2010, 47, 370-373.	0.3	0
29	Characterization of cast Al ₈₆ Mn ₃ Be ₁₁ alloy. Journal of Microscopy, 2009, 233, 364-371.	1.8	19
30	Microstructural changes in Fe-doped Gd ₅ Si ₂ Ge ₂ . Journal of Magnetism and Magnetic Materials, 2009, 321, 300-304.	2.3	16
31	Characterization of the carbides in the steel X20CrMoV12.1 used in thermal power plants. Surface and Interface Analysis, 2008, 40, 513-517.	1.8	6
32	Microstructure of Al-Mn-Be melt-spun ribbons. Materials Characterization, 2008, 59, 1245-1251.	4.4	17
33	Quasicrystalline phase in melt-spun Al-Mn-Be ribbons. Journal of Alloys and Compounds, 2008, 452, 343-347.	5.5	23
34	Metallographic techniques for the characterization of quasicrystalline phases in aluminium alloys. Zeitschrift für Kristallographie, 2008, 223, .	1.1	6
35	Microstructural Changes and Hysteresis Losses in Fe-Doped GdSiGe. IEEE Transactions on Magnetics, 2008, 44, 4529-4532.	2.1	3
36	Development of an Al-Mn-Be-Cu alloy with improved quasicrystalline forming ability. Zeitschrift für Kristallographie, 2008, 223, 735-738.	1.1	15

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37	Effect of tempering on the microstructure and hardness of ledeburitic chromium steel X155CrVMo12.1. <i>International Journal of Materials Research</i> , 2007, 98, 150-154.	0.3	1
38	Structure of the continuously cast Ni-based superalloy GMR 235. <i>Journal of Materials Processing Technology</i> , 2007, 186, 200-206.	6.3	5
39	Oxygen plasma functionalization of poly(p-phenylene sulphide). <i>Applied Surface Science</i> , 2007, 253, 8669-8673.	6.1	43
40	Formation of functional groups on graphite during oxygen plasma treatment. <i>Applied Surface Science</i> , 2006, 253, 1861-1865.	6.1	54
41	100- $\frac{1}{4}$ m-thick Nd-Fe-B magnets for MEMS applications produced via a low-temperature sintering route. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 305, 177-181.	2.3	9
42	Effect of tempering on the chemical and phase composition of M _x C _y precipitates in low carbon chromium-molybdenum-vanadium steel. <i>International Journal of Materials Research</i> , 2004, 95, 1020-1024.	0.8	6
43	Metallographic Preparation and Characterisation of the As-Cast Ni- Based Superalloy GMR 235 / Metallographische PrÄparation und Charakterisierung der Nickelbasis- Superlegierung GMR 235 im Gusszustand. <i>Praktische Metallographie/Practical Metallography</i> , 2004, 41, 373-385.	0.3	1
44	Microstructural characterization of alloys of the quasibinary Cu-NiBe system. <i>International Journal of Materials Research</i> , 2003, 94, 876-879.	0.8	5
45	Microstructural constituents of the Ni-based superalloy GMR 235 in the as-cast condition. <i>Scripta Materialia</i> , 2002, 46, 667-672.	5.2	12
46	Superplastic Behaviour of AA5083 Aluminium Alloy with Scandium and Zirconium. <i>Materials Science Forum</i> , 0, 706-709, 395-401.	0.3	8