Bostjan Markoli

List of Publications by Year
in descending order

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		687363	752698
46	481	13	20
papers	citations	h-index	g-index

47	47	47	526
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of functional groups on graphite during oxygen plasma treatment. Applied Surface Science, 2006, 253, 1861-1865.	6.1	54
2	Oxygen plasma functionalization of poly(p-phenilene sulphide). Applied Surface Science, 2007, 253, 8669-8673.	6.1	43
3	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
4	Quasicrystalline phase in melt-spun Alâ€“Mnâ€“Be ribbons. Journal of Alloys and Compounds, 2008, 452, 343-347.	5.5	23
5	Characterization of cast Al₈₆Mn₃Be₁₁ alloy. Journal of Microscopy, 2009, 233, 364-371.	1.8	19
6	Hot work roller surface layer degradation progress during thermal fatigue in the temperature range 500â€“700 Â°C. International Journal of Fatigue, 2017, 104, 355-365.	5.7	19
7	Microstructure of Alâ€“Mnâ€“Be melt-spun ribbons. Materials Characterization, 2008, 59, 1245-1251.	4.4	17
8	The nanostructure of non-oriented electrical steel sheets. Journal of Magnetism and Magnetic Materials, 2010, 322, 3041-3048.	2.3	17
9	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
10	Microstructural changes in Fe-doped Gd5Si2Ge2. Journal of Magnetism and Magnetic Materials, 2009, 321, 300-304.	2.3	16
11	Microstructural, compositional and magnetic characterization of electrodeposited and annealed Coâ€“Pt-based thin films. Thin Solid Films, 2010, 518, 1751-1755.	1.8	16
12	Development of an Alâ€“Mnâ€“Beâ€“Cu alloy with improved quasicrystalline forming ability. Zeitschrift FÃ¼r Kristallographie, 2008, 223, 735-738.	1.1	15
13	Electrodeposited hard-magnetic Fe50Pd50 nanowires from an ammonium-citrate-based bath. Journal of Alloys and Compounds, 2014, 605, 71-79.	5.5	15
14	Metastable quasicrystals in Alâ€“Mn alloys containing copper, magnesium and silicon. Journal of Materials Science, 2017, 52, 13657-13668.	3.7	15
15	Microstructural constituents of the Ni-based superalloy GMR 235 in the as-cast condition. Scripta Materialia, 2002, 46, 667-672.	5.2	12
16	Behaviour of a quasicrystalline strengthened Al-alloy during compression testing. Materialwissenschaft Und Werkstofftechnik, 2012, 43, 340-344.	0.9	12
17	Microindentation of dispersed phases in an Al94Mn2Be2Cu2 alloy. Journal of Alloys and Compounds, 2010, 505, 486-491.	5.5	10
18	Study of anneal hardening in cold worked Cuâ€“Au alloy. Journal of Alloys and Compounds, 2016, 658, 414-421.	5.5	10

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19	100-Î¼m-thick Ndâ€“Feâ€“B magnets for MEMS applications produced via a low-temperature sintering route. Journal of Magnetism and Magnetic Materials, 2006, 305, 177-181.	2.3	9
20	Phases in the Al-Corner of the Alâ€“Mnâ€“Be System. Microscopy and Microanalysis, 2013, 19, 1308-1316.	0.4	9
21	Superplastic Behaviour of AA5083 Aluminium Alloy with Scandium and Zirconium. Materials Science Forum, 0, 706-709, 395-401.	0.3	8
22	Epitaxial growth of a metastable icosahedral quasicrystal on a stable icosahedral quasicrystal substrate. Scripta Materialia, 2018, 150, 92-95.	5.2	7
23	The Influence of Age Hardening and Shot Peening on the Surface Properties of 7075 Aluminium Alloy. Materials, 2021, 14, 2220.	2.9	7
24	Effect of tempering on the chemical and phase composition of M_xC_yprecipitates in low carbon chromium-molybdenum-vanadium steel. International Journal of Materials Research, 2004, 95, 1020-1024.	0.8	6
25	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
26	Metallographic techniques for the characterization of quasicrystalline phases in aluminium alloys. Zeitschrift FÃ¼r Kristallographie, 2008, 223, .	1.1	6
27	Formation of coreâ€“shell and hollow nanospheres through the nanoscale melt-solidification effect in the Smâ€“Fe(Ta)â€“N system. Nanotechnology, 2010, 21, 485603.	2.6	6
28	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
29	Structure of the continuously cast Ni-based superalloy GMR 235. Journal of Materials Processing Technology, 2007, 186, 200-206.	6.3	5
30	The experimental investigation of phase equilibria in the Al-rich corner within the ternary Alâ€“Mnâ€“Be system. Journal of Alloys and Compounds, 2013, 570, 125-132.	5.5	5
31	Synthesis of an Alâ€“Mn-Based Alloy Containing In Situ-Formed Quasicrystals and Evaluation of Its Mechanical and Corrosion Properties. Jom, 2018, 70, 2698-2703.	1.9	5
32	Development of an Al-Mn-Si-Based Alloy with an Improved Quasicrystalline-Forming Ability. Jom, 2020, 72, 1533-1539.	1.9	5
33	Microstructural characterization of alloys of the quasibinary Cuâ€“NiBe system. International Journal of Materials Research, 2003, 94, 876-879.	0.8	5
34	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
35	Microstructural Changes and Hysteresis Losses in Fe-Doped GdSiGe. IEEE Transactions on Magnetics, 2008, 44, 4529-4532.	2.1	3
36	Microstructural changes in quasicrystalline Alâ€“Mnâ€“Beâ€“Cu alloy after various heat treatments. International Journal of Materials Research, 2015, 106, 342-351.	0.3	3

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37	Microstructural Anisotropy of Magnetocaloric Gadolinium Cylinders: Effect on the Mechanical Properties of the Material. Materials, 2016, 9, 382.	2.9	2
38	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
39	Effect of tempering on the microstructure and hardness of ledeburitic chromium steel X155CrVMo12.1. International Journal of Materials Research, 2007, 98, 150-154.	0.3	1
40	Metallographic Preparation and Characterisation of the As-Cast Ni- Based Superalloy GMR 235 / Metallographische PrÃparation und Charakterisierung der Nickelbasis- Superlegierung GMR 235 im Gusszustand. Praktische Metallographie/Practical Metallography, 2004, 41, 373-385.	0.3	1
41	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
42	Corrigendum to â€œThe experimental investigation of phase equilibria in the Al-rich corner within the ternary Alâ€“Mnâ€“Be systemâ€•[J. Alloys Compd. 570 (2013) 125â€“132]. Journal of Alloys and Compounds, 2013, 576, 30.	3.5	0
43	Stabilisation of Ce-Cu-Fe amorphous alloys by addition of Al. Philosophical Magazine, 2016, 96, 3143-3158.	1.6	0
44	Influence of Ga on the formation of phases in cast Alâ€“Mn-based alloys. Intermetallics, 2021, 136, 107263.	3.9	0
45	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
46	Microstructural characterization of alloys of the quasibinary Cuâ€“NiBe system. International Journal of Materials Research, 2022, 94, 876-879.	0.3	0