

Roberto Montanari

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170
papers

1,299
citations

17
h-index

26
g-index

173
ext. papers

1,497
ext. citations

2.4
avg, IF

4.48
L-index

#	Paper	IF	Citations
170	Residual stresses in the graded interlayer between W and CuCrZr alloy. <i>Journal of Materials Science</i> , 2022 , 57, 285-298	4.3	1
169	Grain Orientation and Hardness in the Graded Interlayer of Plasma Sprayed W on CuCrZr. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1822	2.6	1
168	Plasma Carburizing of Laser Powder Bed Fusion Manufactured 316 L Steel for Enhancing the Surface Hardness. <i>Coatings</i> , 2022 , 12, 258	2.9	0
167	Mechanical spectroscopy study of as-cast and additive manufactured AlSi10Mg. <i>Journal of Alloys and Compounds</i> , 2022 , 165361	5.7	2
166	Grain Refinement and Improved Mechanical Properties of EUROFER97 by Thermo-Mechanical Treatments. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10598	2.6	2
165	Properties of Additively Manufactured Electric Steel Powder Cores with Increased Si Content. <i>Materials</i> , 2021 , 14,	3.5	9
164	Work-Hardening Behavior of Cold Rolled EUROFER97 Steel for Nuclear Fusion Applications. <i>Materials Proceedings</i> , 2021 , 3, 21	0.3	1
163	Correlation between anelastic response and microstructure of 5N-Al thin foils. <i>Journal of Alloys and Compounds</i> , 2021 , 872, 159693	5.7	0
162	Dislocation Breakaway Damping in AA7050 Alloy. <i>Metals</i> , 2020 , 10, 1682	2.3	2
161	Nano-Indentation Properties of Tungsten Carbide-Cobalt Composites as a Function of Tungsten Carbide Crystal Orientation. <i>Materials</i> , 2020 , 13,	3.5	5
160	La distribution on the crater surface of W-1%La ₂ O ₃ produced by a single laser pulse. <i>Surface and Interface Analysis</i> , 2020 , 52, 1093-1097	1.5	1
159	Surface Morphological Features of Molybdenum Irradiated by a Single Laser Pulse. <i>Coatings</i> , 2020 , 10, 67	2.9	3
158	XPS study of Cr segregation in a martensitic stainless steel. <i>Surface and Interface Analysis</i> , 2020 , 52, 1089-1092	1.5	1
157	The effect of Equal Channel Angular Pressing on the stress corrosion cracking susceptibility of AZ31 alloy in simulated body fluid. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 106, 103724	4.1	16
156	Cr Segregation and Impact Fracture in a Martensitic Stainless Steel. <i>Coatings</i> , 2020 , 10, 843	2.9	6
155	Anelastic Behavior of Small Dimensioned Aluminum. <i>Metals</i> , 2019 , 9, 549	2.3	3
154	Alloys for Aeronautic Applications: State of the Art and Perspectives. <i>Metals</i> , 2019 , 9, 662	2.3	58

153	Determination of the Yield Radius and Yield Stress in 2198-T3 Aluminum Alloy by Means of the Dual-Scale Instrumented Indentation Test. <i>Materials Transactions</i> , 2019 , 60, 1450-1456	1.3	3
152	Effect of Al ₂ O ₃ reinforcement and precipitates on corrosion behaviour of 2618 and 6061 aluminium MMCs. <i>Corrosion Engineering Science and Technology</i> , 2019 , 54, 601-613	1.7	6
151	Effect of Al substrate microstructure on layered double hydroxide morphology. <i>Journal of Materials Science</i> , 2019 , 54, 12437-12449	4.3	
150	Lead-Bismuth Eutectic: Atomic and Micro-Scale Melt Evolution. <i>Materials</i> , 2019 , 12,	3.5	1
149	Numerical modelling of residual stress redistribution induced by TIG-dressing. <i>Frattura Ed Integrita Strutturale</i> , 2019 , 13, 221-230	0.9	4
148	Surface phenomena during the early stage of liquid phase SPS of a mixture of coarse WC and Ni-alloy particles. <i>Surface and Interface Analysis</i> , 2018 , 50, 1072-1076	1.5	
147	Oxidative treatment effect on TiH ₂ powders. <i>Surface and Interface Analysis</i> , 2018 , 50, 1195-1199	1.5	3
146	Design of Wear-Resistant Austenitic Steels for Selective Laser Melting. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018 , 49, 962-971	2.3	4
145	Surface and microstructural analyses of a Roman quadrans dating back to first century ad. <i>Surface and Interface Analysis</i> , 2018 , 50, 1042-1045	1.5	1
144	Continuous dynamic recrystallization (CDRX) model for aluminum alloys. <i>Journal of Materials Science</i> , 2018 , 53, 4563-4573	4.3	36
143	W-1% La ₂ O ₃ Submitted to a Single Laser Pulse: Effect of Particles on Heat Transfer and Surface Morphology. <i>Metals</i> , 2018 , 8, 389	2.3	6
142	Temperature Dependent Mechanical Behavior of ODS Steels. <i>Materials Science Forum</i> , 2018 , 941, 257-262.	2.4	2
141	An Innovative Industrial Process for Forging 7050 Al Alloy. <i>Materials Science Forum</i> , 2018 , 941, 1047-1052.	2.4	4
140	Laser Beam Welding of IN792 DS Superalloy. <i>Materials Science Forum</i> , 2018 , 941, 1149-1154	0.4	1
139	Mechanical Spectroscopy Investigation of Point Defect-Driven Phenomena in a Cr Martensitic Steel. <i>Metals</i> , 2018 , 8, 870	2.3	6
138	Experimental Techniques to Investigate Residual Stress in Joints 2018 ,		1
137	Hydrogen Release from Oxidized Titanium Hydride. <i>Materials Science Forum</i> , 2018 , 941, 2203-2208	0.4	1
136	Analysis of Strengthening Mechanisms in Nano-ODS Steel Depending on Preparation Route. <i>Journal of Material Science & Engineering</i> , 2018 , 07,	0.7	3

135	Temperature Dependent Phenomena in Liquid LBE Alloy. <i>Materials Science Forum</i> , 2017 , 884, 41-52	0.4	2
134	Physical Phenomena Leading to Melting of Metals. <i>Materials Science Forum</i> , 2017 , 884, 3-17	0.4	2
133	Welding of IN792 DS Superalloy by High Energy Density Techniques. <i>Materials Science Forum</i> , 2017 , 884, 166-177	0.4	1
132	Laser Pulse Effects on Plasma-Sprayed and Bulk Tungsten. <i>Metals</i> , 2017 , 7, 454	2.3	10
131	High temperature metal hydrides for energy systems Part A: Numerical model validation and calibration. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 16195-16202	6.7	10
130	Electron Beam Welding of IN792 DS: Effects of Pass Speed and PWHT on Microstructure and Hardness. <i>Materials</i> , 2017 , 10,	3.5	17
129	Flat-Top Cylinder Indenter Examination of Duplex Stainless Steel 2205 after Different Heat Treatments. <i>Metals</i> , 2017 , 7, 178	2.3	1
128	Analysis of Relaxation Processes in HNS Due to Interstitial-Substitutional Pairs. <i>Metals</i> , 2017 , 7, 246	2.3	1
127	Mechanical Characterization of a Nano-ODS Steel Prepared by Low-Energy Mechanical Alloying. <i>Metals</i> , 2017 , 7, 283	2.3	13
126	IN792 DS Superalloy: Optimization of EB Welding and Post-Welding Heat Treatments. <i>Materials Science Forum</i> , 2016 , 879, 175-180	0.4	3
125	Anelastic Phenomena Preceding the Melting of Pure Metals and Alloys. <i>Materials Science Forum</i> , 2016 , 879, 66-71	0.4	2
124	Study of steel-WC interface produced by solid-state capacitor discharge sinter-welding. <i>Surface and Interface Analysis</i> , 2016 , 48, 538-542	1.5	5
123	Investigation of skin-core joints in aluminium foam sandwich panels by EDS and XPS. <i>Surface and Interface Analysis</i> , 2016 , 48, 479-482	1.5	1
122	Evaluation of Structural Stability of Materials through Mechanical Spectroscopy: Four Case Studies. <i>Metals</i> , 2016 , 6, 306	2.3	3
121	Welding of IN792 DS superalloy by electron beam. <i>Surface and Interface Analysis</i> , 2016 , 48, 483-487	1.5	5
120	Investigation of graphene layers on electrodeposited polycrystalline metals. <i>Surface and Interface Analysis</i> , 2016 , 48, 456-460	1.5	7
119	Surface spectroscopy and structural analysis of nanostructured multifunctional (Zn, Al) layered double hydroxides. <i>Surface and Interface Analysis</i> , 2016 , 48, 514-518	1.5	21
118	Laser Pulse Simulation of High Energy Transient Thermal Loads on Bulk and Plasma Sprayed W for NFR. <i>Materials Science Forum</i> , 2016 , 879, 1576-1581	0.4	5

117	Early Instability Phenomena of IN792 DS Superalloy. <i>Materials Science Forum</i> , 2016 , 879, 2026-2031	0.4	2
116	Effect of Heat Treatments on TiH ₂ : Surface Composition and Hydrogen Release. <i>Materials Science Forum</i> , 2016 , 879, 2032-2037	0.4	2
115	Thermal Diffusivity of Sintered Steels with Flash Method at Ambient Temperature. <i>International Journal of Thermophysics</i> , 2016 , 37, 1	2.1	12
114	Microstructural Features Affecting Tempering Behavior of 16Cr-5Ni Supermartensitic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015 , 46, 1878-1887 ^{2,3}	2.3	21
113	Synergic Role of Self-Interstitials and Vacancies in Indium Melting. <i>Metals</i> , 2015 , 5, 1061-1072	2.3	10
112	High temperature tribological behavior and microstructural modifications of the low-temperature carburized AISI 316L austenitic stainless steel. <i>Surface and Coatings Technology</i> , 2014 , 258, 772-781	4.4	17
111	Dislocation Density Effect on Thermal Diffusivity of AISI 316 Steel. <i>Key Engineering Materials</i> , 2014 , 605, 27-30	0.4	2
110	Elemental Clustering and Structure of Liquid LBE. <i>Advanced Materials Research</i> , 2014 , 922, 785-790	0.5	
109	Microchemical inhomogeneity in eutectic PbBi alloy quenched from melt. <i>Surface and Interface Analysis</i> , 2014 , 46, 877-881	1.5	1
108	Corrosion effect to the surface of stainless steel treated by two processes of low temperature carburization. <i>Surface and Interface Analysis</i> , 2014 , 46, 731-734	1.5	5
107	Micro-chemical investigation of thick W coating on AISI 420 martensitic steel. <i>Surface and Interface Analysis</i> , 2014 , 46, 873-876	1.5	1
106	Effects of Heat Treatments on Tungsten for Armour in NFR. <i>Materials Science Forum</i> , 2014 , 783-786, 2353-2358	0.4	1
105	New Algorithm to Determine the Yield Stress from FIMEC Test. <i>Materials Science Forum</i> , 2014 , 783-786, 2272-2277	0.4	4
104	HT-XRD Analysis of W Thick Coatings for Nuclear Fusion Technology. <i>Key Engineering Materials</i> , 2014 , 605, 31-34	0.4	1
103	Anelastic phenomena associated to water loss and collagen degradation in human dentin. <i>Materials Science and Engineering C</i> , 2013 , 33, 1455-9	8.3	2
102	Microstructural Evolution during Tempering of 16Cr-5Ni Stainless Steel: Effects on Final Mechanical Properties. <i>Materials Science Forum</i> , 2013 , 762, 176-182	0.4	4
101	Mechanical Spectroscopy Examination of Human Dentin. <i>Key Engineering Materials</i> , 2013 , 541, 63-74	0.4	1
100	Mechanical Characterization of Human Dentin: A Critical Review. <i>Key Engineering Materials</i> , 2013 , 541, 75-96	0.4	3

99	Young's Modulus Profile in Kolsterized AISI 316L Steel. <i>Materials Science Forum</i> , 2013 , 762, 183-188	0.4	14
98	Relation between the microstructure and microchemistry in Ni-based superalloy. <i>Surface and Interface Analysis</i> , 2012 , 44, 982-985	1.5	8
97	Surface modification of austenitic steels by low-temperature carburization. <i>Surface and Interface Analysis</i> , 2012 , 44, 1001-1004	1.5	11
96	Anelastic Phenomena in Human Dentin below Room Temperature. <i>Solid State Phenomena</i> , 2012 , 184, 455-460	0.4	3
95	Mechanical Spectroscopy Investigation of Liquid Pb-Bi Alloys. <i>Solid State Phenomena</i> , 2012 , 184, 434-439	0.4	6
94	Structural Changes of Liquid Pb-Bi Eutectic Alloy. <i>Materials Science Forum</i> , 2012 , 706-709, 878-883	0.4	4
93	Microstructural Investigation on Tungsten for Applications in Future Nuclear Fusion Reactors. <i>Materials Science Forum</i> , 2012 , 706-709, 835-840	0.4	5
92	Mechanical Spectroscopy Applications for Investigating Metallurgical Processes. <i>Materials Science Forum</i> , 2012 , 706-709, 113-120	0.4	
91	Micro and Nano Scale Anelastic Phenomena in Human Dentin. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 1007-1012		
90	Surface and bulk characterization of molten In and In-Sn alloys. <i>EPJ Web of Conferences</i> , 2011 , 15, 01007	0.3	3
89	Micro-Chemistry and Mechanical Behaviour of Ti6Al4V-SiCf Composite Produced by HIP for Aeronautical Applications. <i>Materials Science Forum</i> , 2011 , 678, 23-47	0.4	2
88	Comparison between Roll Diffusion Bonding and Hot Isostatic Pressing Production Processes of Ti6Al4V-SiCf Metal Matrix Composites. <i>Materials Science Forum</i> , 2011 , 678, 145-154	0.4	4
87	Local Mechanical Characterization of Human Teeth by Instrumented Indentation. <i>Advanced Materials Research</i> , 2010 , 89-91, 751-756	0.5	5
86	Microstructural Characterization of Ti6Al4V-SiCf Composite Produced by New Roll-Bonding Process. <i>Advanced Materials Research</i> , 2010 , 89-91, 715-720	0.5	2
85	Mechanical Behaviour of Metals under Explosive Loading. <i>Materials Science Forum</i> , 2010 , 638-642, 22-28	0.4	
84	Anelastic Phenomena and Cr ₂ N Precipitation in a High Nitrogen Austenitic Steel. <i>Advanced Materials Research</i> , 2010 , 89-91, 485-490	0.5	
83	Anelastic Phenomena at the Fibre-Matrix Interface of the Ti6Al4V-SiCf Composite. <i>Key Engineering Materials</i> , 2010 , 425, 263-270	0.4	3
82	Implementation of neural network for the thrust force prediction in hot drilling of 6082 aluminium alloy. <i>International Journal of Computational Materials Science and Surface Engineering</i> , 2010 , 3, 175	0.4	

81	Discontinuous Precipitation in a High-Nitrogen Austenitic Steel. <i>Materials Science Forum</i> , 2010 , 638-642, 3597-3602	0.4	5
80	Artificial neural networks to optimize the extrusion of an aluminium alloy. <i>Journal of Intelligent Manufacturing</i> , 2010 , 21, 569-574	6.7	32
79	Microchemical characterisation of carbon-metal interface in Ti6Al4V/SiCf composites. <i>Surface and Interface Analysis</i> , 2010 , 42, 707-711	1.5	8
78	Composition of plasma-sprayed tungsten coatings on CuCrZr alloy. <i>Surface and Interface Analysis</i> , 2010 , 42, 1197-1200	1.5	10
77	Heating modification of an austenitic steel with high-nitrogen content. <i>Surface and Interface Analysis</i> , 2010 , 42, 726-729	1.5	8
76	Single crystal PWA 1483 superalloy: Dislocation rearrangement and damping phenomena. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 102-105	5.3	7
75	Low temperature anelasticity in Ti6Al4V alloy and Ti6Al4V/SiCf composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 340-342	5.3	8
74	XRD investigation of binary alloy solidification. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1161, 407-15	6.5	4
73	High temperature damping behaviour of Ti6Al4V/SiCf composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 318-321	5.3	6
72	Microstructural modifications in α -brass targets after small charge explosions. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2009 , 33, 76-81	1.9	
71	Lattice expansion of Ti6Al4V by nitrogen and oxygen absorption. <i>Materials Characterization</i> , 2008 , 59, 334-337	3.9	39
70	Influence of substrate structure on the development of stress anisotropy in CrN coatings. <i>International Journal of Surface Science and Engineering</i> , 2008 , 2, 337	1	2
69	Long-Term Heat Treatments on Ti6Al4V-SiCf Composite. Part II - Mechanical Characterization. <i>Materials Science Forum</i> , 2008 , 604-605, 341-350	0.4	6
68	Damping of FeMo Alloys Obtained from SPS Sintering of Nanostructured Powders. <i>Materials Science Forum</i> , 2008 , 604-605, 203-211	0.4	3
67	Long-Term Heat Treatments on Ti6Al4V-SiCf Composite. Part I - Microstructural Characterization. <i>Materials Science Forum</i> , 2008 , 604-605, 331-340	0.4	5
66	Effect of powder mix composition on Al foam morphology. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2008 , 222, 131-140	1.3	10
65	Composite of Ti6Al4V and SiC fibres: evolution of fibre-matrix interface during heat treatments. <i>Surface and Interface Analysis</i> , 2008 , 40, 277-280	1.5	15
64	High temperature indentation tests on fusion reactor candidate materials. <i>Journal of Nuclear Materials</i> , 2007 , 367-370, 648-652	3.3	7

63	Microstructural Effects in Face-Centered-Cubic Alloys after Small Charge Explosions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007 , 38, 2869-2884	2.3	8
62	Metal foams for structural applications: design and manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2007 , 20, 497-504	4.3	11
61	Metal objects mapping after small charge explosions. A study on AISI 304Cu steel with two different grain sizes. <i>Journal of Forensic Sciences</i> , 2006 , 51, 520-31	1.8	1
60	Mechanical twins in 304 stainless steel after small-charge explosions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 424, 23-32	5.3	10
59	Automated resonant vibrating-reed analyzer apparatus for a non-destructive characterization of materials for industrial applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 543-546	5.3	36
58	Optimisation and characterisation of tungsten thick coatings on copper based alloy substrates. <i>Journal of Nuclear Materials</i> , 2006 , 352, 29-35	3.3	42
57	AISI 304 steel: anomalous evolution of martensitic phase following heat treatments at 400 °C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 202-206	5.3	15
56	X-ray residual stress analysis on CrN/Cr/CrN multilayer PVD coatings deposited on different steel substrates. <i>Surface and Coatings Technology</i> , 2006 , 200, 6172-6175	4.4	49
55	Influence of Ti coatings on the fatigue behaviour of AlMatrix MMCs. Part I: fatigue tests and materials characterization. <i>Composites Part B: Engineering</i> , 2005 , 36, 439-445	10	1
54	Influence of Ti coatings on the fatigue behaviour of Al-Matrix MMCs. Part II: FEM simulations. <i>Composites Part B: Engineering</i> , 2005 , 36, 446-454	10	1
53	Indentation of metals by a flat-ended cylindrical punch. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 381, 281-291	5.3	76
52	Gold corrosion red stains on a gold Austrian Ducat. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 79, 205-211	2.6	19
51	Surface defects on collection coins of precious metals. <i>Surface and Interface Analysis</i> , 2004 , 36, 921-924	1.5	7
50	Characterization of Eurofer-97 TIG-welded joints by FIMEC indentation tests. <i>Journal of Nuclear Materials</i> , 2004 , 329-333, 1529-1533	3.3	11
49	Real-time XRD investigations on metallic melts. <i>International Journal of Materials and Product Technology</i> , 2004 , 20, 452	1	7
48	X-ray characterization of indium during melting. <i>Advances in Space Research</i> , 2002 , 29, 521-525	2.4	7
47	Structural and mechanical properties of welded joints of reduced activation martensitic steels. <i>Journal of Nuclear Materials</i> , 2002 , 307-311, 1563-1567	3.3	17
46	Structures of solid and liquid during melting and solidification of indium. <i>Annals of the New York Academy of Sciences</i> , 2002 , 974, 68-78	6.5	2

45	Fatigue behaviour of Ti sputtered Al composites. <i>International Journal of Materials and Product Technology</i> , 2002 , 17, 214	1	2
44	Characterisation of plasma sprayed W coatings on a CuCrZr alloy for nuclear fusion reactor applications. <i>Materials Letters</i> , 2002 , 52, 100-105	3.3	44
43	Improvement of the fatigue behaviour of Al 6061/20% SiCp composites by means of titanium coatings. <i>Composites Science and Technology</i> , 2001 , 61, 2047-2054	8.6	17
42	Mechanical characterisation of fusion materials by indentation test. <i>Fusion Engineering and Design</i> , 2001 , 58-59, 755-759	1.7	14
41	Influence of Si, Ni and Co additions on gold alloy for investment cast process. <i>Journal of Alloys and Compounds</i> , 2001 , 325, 252-258	5.7	3
40	Irreversible transformation in as-cast FeAl B2-ordered alloy obtained by melt spinning. <i>Journal of Materials Research</i> , 2000 , 15, 659-664	2.5	2
39	Effect of Ti Coatings on Fatigue Behaviour of the Al 6061 / 20% SiCp Composite. <i>Key Engineering Materials</i> , 2000 , 188, 91-100	0.4	3
38	H-induced CCr cluster redistribution in MANET steel. <i>Journal of Alloys and Compounds</i> , 2000 , 310, 209-213	3.7	5
37	Martensite formation during heat treatments of AISI 304 steel with biphasic structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999 , 273-275, 443-447	5.3	14
36	Effect of treatment temperature on the texture of mechanically alloyed Fe ₉₀ at.% Al+Y ₂ O ₃ intermetallic. <i>Materials Letters</i> , 1999 , 41, 283-288	3.3	6
35	Distribution of CCr associates and mechanical stability of Cr martensitic steels. <i>Journal of Nuclear Materials</i> , 1998 , 258-263, 1167-1172	3.3	6
34	A remotely operated FIMEC apparatus for the mechanical characterization of neutron irradiated materials. <i>Journal of Nuclear Materials</i> , 1998 , 258-263, 446-451	3.3	19
33	Internal friction and Mssbauer study of CCr associates in MANET steel. <i>Journal of Materials Research</i> , 1997 , 12, 296-299	2.5	1
32	Effects of thermal treatments on the ductile to brittle transition of MANET steel. <i>Journal of Nuclear Materials</i> , 1996 , 233-237, 248-252	3.3	5
31	A miniaturized test method for the mechanical characterization of structural materials for fusion reactors. <i>Journal of Nuclear Materials</i> , 1996 , 233-237, 1557-1560	3.3	16
30	Neutron-diffraction study of the crystalline texture in a martensitic steel for fusion-reactor technology. <i>Physica B: Condensed Matter</i> , 1995 , 213-214, 809-811	2.8	3
29	Small-angle neutron scattering study of CCr elementary aggregates in a martensitic steel for fusion-reactor technology. <i>Physica B: Condensed Matter</i> , 1995 , 213-214, 812-814	2.8	12
28	Microstructural characterisation of Ni, Co and Ni/Co fine powders for physical sensors. <i>Thermochimica Acta</i> , 1995 , 269-270, 117-132	2.9	13

27	X-ray and neutron diffraction line broadening measurements in a martensitic steel for fusion technology. <i>Materials Letters</i> , 1995 , 22, 17-21	3-3	9
26	Effect of thermal treatments on an ordered Fe-37 at% Al intermetallic compound with Ce, La and Zr additions. <i>Materials Letters</i> , 1995 , 25, 239-243	3-3	
25	MANET steel: thermal treatments and Q ₁ spectrum evolution. <i>Materials Letters</i> , 1995 , 25, 249-255	3-3	3
24	Solute Cr atom distribution and fracture behaviour of MANET steel. <i>Journal of Nuclear Materials</i> , 1994 , 212-215, 564-568	3-3	9
23	Small-scale nondestructive stress-strain and creep tests feasible during irradiation. <i>Journal of Nuclear Materials</i> , 1994 , 212-215, 1688-1692	3-3	16
22	Preparation of Ni ₂ Co metal powders by co-reduction of Ni (II) and Co(II) hydroxides for magnetoresistive sensors. <i>Materials Letters</i> , 1994 , 19, 263-268	3-3	9
21	Q ₁ spectra connected with C under solute atom interaction. <i>Journal of Alloys and Compounds</i> , 1994 , 211-212, 33-36	5-7	7
20	Effects of C-Cr elementary aggregates on the properties of the MANET steel. <i>Journal of Nuclear Materials</i> , 1993 , 206, 360-362	3-3	7
19	TEMPERING STRUCTURES AND RELATED DUCTILE TO BRITTLE TRANSITION IN MANET STEEL 1993 , 1311-1315		
18	Cr Distribution Effects and Swelling Resistance of Manet Steel. <i>Materials Science Forum</i> , 1992 , 97-99, 387-392	0-4	3
17	Grain Growth Effects on Creep. <i>Materials Science Forum</i> , 1992 , 94-96, 513-518	0-4	1
16	Microstructural evolution of AISI 304 steel after repeated shock loadings. <i>Materials Letters</i> , 1992 , 15, 73-78	3-3	5
15	On the Cr atom distribution in MANET1 steel. <i>Physica Status Solidi A</i> , 1992 , 131, 465-480		19
14	On the statistical distribution of Cr atoms in Fe ₂ Cr alloys with high swelling resistance in NFR. <i>Journal of Nuclear Materials</i> , 1992 , 191-194, 1274-1278	3-3	5
13	Internal strains after recovery of hardness in tempered martensitic steels for fusion reactors. <i>Journal of Nuclear Materials</i> , 1991 , 179-181, 675-678	3-3	9
12	X-ray study on shock loaded AISI 304 steel. <i>Materials Letters</i> , 1991 , 10, 453-456	3-3	3
11	Microstructural characterization of MgFe ₂ O ₄ powders. <i>Materials Chemistry and Physics</i> , 1990 , 26, 513-524		6
10	Increase of martensite content in cold rolled AISI 304 steel produced by annealing at 400°C. <i>Materials Letters</i> , 1990 , 10, 57-61	3-3	12

9	X-ray diffraction study on proton-irradiated high-purity aluminum. <i>Materials Letters</i> , 1989 , 8, 477-480	3.3	2
8	AISI 304 steel: effects of slow heating rates on α - β reversion. <i>Materials Letters</i> , 1989 , 8, 297-300	3.3	5
7	Structure evolution during heat treatments of 12% Cr martensitic steel for net. <i>Journal of Nuclear Materials</i> , 1988 , 155-157, 616-619	3.3	8
6	Dislocation emission in Al during recrystallization. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1986 , 8, 647-657		3
5	Comparison between the behaviour of Al, Mg, Zn after shock loading. Twinning effects. <i>Scripta Metallurgica</i> , 1985 , 19, 721-726		4
4	Deformation at very high strain rates of Al and ERGAL 7075. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1984 , 3, 759-772		4
3	Microstructure Refinement Effect on EUROFER 97 Steel for Nuclear Fusion Application. <i>Materials Science Forum</i> , 1016, 1392-1397	0.4	2
2	Study of High Temperature Properties of AlSi10Mg Alloy Produced by Laser-Based Powder Bed Fusion. <i>Materials Science Forum</i> , 1016, 1485-1491	0.4	5
1	Surface Morphology of Refractory Metals Submitted to a Single Laser Pulse. <i>Materials Science Forum</i> , 1016, 1526-1531	0.4	