

# Roberto Montanari

## List of Publications by Year in descending order

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173  
papers

1,750  
citations

430442

18  
h-index

433756

31  
g-index

173  
all docs

173  
docs citations

173  
times ranked

1235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alloys for Aeronautic Applications: State of the Art and Perspectives. <i>Metals</i> , 2019, 9, 662.	1.0	128
2	Indentation of metals by a flat-ended cylindrical punch. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 381, 281-291.	2.6	85
3	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.	2.2	55
4	Continuous dynamic recrystallization (CDRX) model for aluminum alloys. <i>Journal of Materials Science</i> , 2018, 53, 4563-4573.	1.7	50
5	Characterisation of plasma sprayed W coatings on a CuCrZr alloy for nuclear fusion reactor applications. <i>Materials Letters</i> , 2002, 52, 100-105.	1.3	47
6	Optimisation and characterisation of tungsten thick coatings on copper based alloy substrates. <i>Journal of Nuclear Materials</i> , 2006, 352, 29-35.	1.3	47
7	Lattice expansion of Ti-6Al-4V by nitrogen and oxygen absorption. <i>Materials Characterization</i> , 2008, 59, 334-337.	1.9	44
8	Properties of Additively Manufactured Electric Steel Powder Cores with Increased Si Content. <i>Materials</i> , 2021, 14, 1489.	1.3	44
9	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.	1.5	43
10	Automated resonant vibrating-reed analyzer apparatus for a non-destructive characterization of materials for industrial applications. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 442, 543-546.	2.6	42
11	Artificial neural networks to optimize the extrusion of an aluminium alloy. <i>Journal of Intelligent Manufacturing</i> , 2010, 21, 569-574.	4.4	34
12	Surface spectroscopy and structural analysis of nanostructured multifunctional (Zn, Al) layered double hydroxides. <i>Surface and Interface Analysis</i> , 2016, 48, 514-518.	0.8	31
13	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.	2.2	26
14	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.	1.1	25
15	On the Cr atom distribution in MANET1 steel. <i>Physica Status Solidi A</i> , 1992, 131, 465-480.	1.7	23
16	“Gold corrosion” red stains on a gold Austrian Ducat. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 205-211.	1.1	23
17	A remotely operated FIMEC apparatus for the mechanical characterization of neutron irradiated materials. <i>Journal of Nuclear Materials</i> , 1998, 258-263, 446-451.	1.3	21
18	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.	3.8	20

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19	Young's Modulus Profile in Kolsterized AISI 316L Steel. <i>Materials Science Forum</i> , 0, 762, 183-188.	0.3	20
20	Structural and mechanical properties of welded joints of reduced activation martensitic steels. <i>Journal of Nuclear Materials</i> , 2002, 307-311, 1563-1567.	1.3	19
21	AISI 304 steel: anomalous evolution of martensitic phase following heat treatments at 400Å°C. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 202-206.	2.6	19
22	Electron Beam Welding of IN792 DS: Effects of Pass Speed and PWHT on Microstructure and Hardness. <i>Materials</i> , 2017, 10, 1033.	1.3	19
23	Mechanical Characterization of a Nano-ODS Steel Prepared by Low-Energy Mechanical Alloying. <i>Metals</i> , 2017, 7, 283.	1.0	19
24	Small-scale nondestructive stress-strain and creep tests feasible during irradiation. <i>Journal of Nuclear Materials</i> , 1994, 212-215, 1688-1692.	1.3	18
25	Grain Refinement and Improved Mechanical Properties of EUROFER97 by Thermo-Mechanical Treatments. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10598.	1.3	18
26	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.	1.3	17
27	Mechanical characterisation of fusion materials by indentation test. <i>Fusion Engineering and Design</i> , 2001, 58-59, 755-759.	1.0	17
28	Microstructural characterisation of Ni, Co and Ni–Co fine powders for physical sensors. <i>Thermochimica Acta</i> , 1995, 269-270, 117-132.	1.2	16
29	Synergic Role of Self-Interstitials and Vacancies in Indium Melting. <i>Metals</i> , 2015, 5, 1061-1072.	1.0	16
30	Thermal Diffusivity of Sintered Steels with Flash Method at Ambient Temperature. <i>International Journal of Thermophysics</i> , 2016, 37, 1.	1.0	16
31	Increase of martensite content in cold rolled AISI 304 steel produced by annealing at 400Å°C. <i>Materials Letters</i> , 1990, 10, 57-61.	1.3	15
32	Martensite formation during heat treatments of AISI 304 steel with biphasic structure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 273-275, 443-447.	2.6	15
33	Composite of Ti6Al4V and SiC fibres: evolution of fibre–matrix interface during heat treatments. <i>Surface and Interface Analysis</i> , 2008, 40, 277-280.	0.8	15
34	Surface modification of austenitic steels by low-temperature carburization. <i>Surface and Interface Analysis</i> , 2012, 44, 1001-1004.	0.8	14
35	Laser Pulse Effects on Plasma-Sprayed and Bulk Tungsten. <i>Metals</i> , 2017, 7, 454.	1.0	14
36	Cr Segregation and Impact Fracture in a Martensitic Stainless Steel. <i>Coatings</i> , 2020, 10, 843.	1.2	14

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37	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.	1.3	13
38	Characterization of Eurofer-97 TIG-welded joints by FIMEC indentation tests. <i>Journal of Nuclear Materials</i> , 2004, 329-333, 1529-1533.	1.3	13
39	Preparation of Ni <sub>3</sub> Co metal powders by co-reduction of Ni (II) and Co(II) hydroxides for magnetoresistive sensors. <i>Materials Letters</i> , 1994, 19, 263-268.	1.3	12
40	Metal foams for structural applications: design and manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2007, 20, 497-504.	2.9	12
41	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.	0.7	12
42	Low temperature anelasticity in Ti6Al4V alloy and Ti6Al4V/SiCf composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 340-342.	2.6	12
43	Nano-Indentation Properties of Tungsten Carbide-Cobalt Composites as a Function of Tungsten Carbide Crystal Orientation. <i>Materials</i> , 2020, 13, 2137.	1.3	12
44	Mechanical twins in 304 stainless steel after small-charge explosions. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 424, 23-32.	2.6	11
45	Single crystal PWA 1483 superalloy: Dislocation rearrangement and damping phenomena. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 102-105.	2.6	11
46	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.	3.8	11
47	Solute Cr atom distribution and fracture behaviour of MANET steel. <i>Journal of Nuclear Materials</i> , 1994, 212-215, 564-568.	1.3	10
48	Composition of plasma-sprayed tungsten coatings on CuCrZr alloy. <i>Surface and Interface Analysis</i> , 2010, 42, 1197-1200.	0.8	10
49	Mechanical Spectroscopy Investigation of Liquid Pb-Bi Alloys. <i>Solid State Phenomena</i> , 0, 184, 434-439.	0.3	10
50	Relation between the microstructure and microchemistry in Ni-based superalloy. <i>Surface and Interface Analysis</i> , 2012, 44, 982-985.	0.8	10
51	Study of steel/WC interface produced by solid-state capacitor discharge sintering. <i>Surface and Interface Analysis</i> , 2016, 48, 538-542.	0.8	10
52	Mechanical Spectroscopy Investigation of Point Defect-Driven Phenomena in a Cr Martensitic Steel. <i>Metals</i> , 2018, 8, 870.	1.0	10
53	Surface Morphological Features of Molybdenum Irradiated by a Single Laser Pulse. <i>Coatings</i> , 2020, 10, 67.	1.2	10
54	Microstructural characterization of MgFe <sub>2</sub> O <sub>4</sub> powders. <i>Materials Chemistry and Physics</i> , 1990, 26, 513-526.	2.0	9

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55	Internal strains after recovery of hardness in tempered martensitic steels for fusion reactors. Journal of Nuclear Materials, 1991, 179-181, 675-678.	1.3	9
56	Q <sup>α</sup> 1 spectra connected with C under solute atom interaction. Journal of Alloys and Compounds, 1994, 211-212, 33-36.	2.8	9
57	X-ray and neutron diffraction line broadening measurements in a martensitic steel for fusion technology. Materials Letters, 1995, 22, 17-21.	1.3	9
58	High temperature indentation tests on fusion reactor candidate materials. Journal of Nuclear Materials, 2007, 367-370, 648-652.	1.3	9
59	Microstructural Effects in Face-Centered-Cubic Alloys after Small Charge Explosions. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 2869-2884.	1.1	9
60	Heating modification of an austenitic steel with high nitrogen content. Surface and Interface Analysis, 2010, 42, 726-729.	0.8	9
61	Effect of Al <sub>2</sub> O <sub>3</sub> reinforcement and precipitates on corrosion behaviour of 2618 and 6061 aluminium MMCs. Corrosion Engineering Science and Technology, 2019, 54, 601-613.	0.7	9
62	Structure evolution during heat treatments of 12% Cr martensitic steel for net. Journal of Nuclear Materials, 1988, 155-157, 616-619.	1.3	8
63	Effects of C-Cr elementary aggregates on the properties of the MANET steel. Journal of Nuclear Materials, 1993, 206, 360-362.	1.3	8
64	High temperature damping behaviour of Ti6Al4V/SiC composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 318-321.	2.6	8
65	Microchemical characterisation of carbon-metal interface in Ti6Al4V/SiC composites. Surface and Interface Analysis, 2010, 42, 707-711.	0.8	8
66	Microstructural Investigation on Tungsten for Applications in Future Nuclear Fusion Reactors. Materials Science Forum, 0, 706-709, 835-840.	0.3	8
67	Plasma Carburizing of Laser Powder Bed Fusion Manufactured 316 L Steel for Enhancing the Surface Hardness. Coatings, 2022, 12, 258.	1.2	8
68	X-ray characterization of indium during melting. Advances in Space Research, 2002, 29, 521-525.	1.2	7
69	Surface defects on collection coins of precious metals. Surface and Interface Analysis, 2004, 36, 921-924.	0.8	7
70	Real-time XRD investigations on metallic melts. International Journal of Materials and Product Technology, 2004, 20, 452.	0.1	7
71	Investigation of graphene layers on electrodeposited polycrystalline metals. Surface and Interface Analysis, 2016, 48, 456-460.	0.8	7
72	Laser Pulse Simulation of High Energy Transient Thermal Loads on Bulk and Plasma Sprayed W for NFR. Materials Science Forum, 0, 879, 1576-1581.	0.3	7

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73	W-1% La <sub>2</sub> O <sub>3</sub> Submitted to a Single Laser Pulse: Effect of Particles on Heat Transfer and Surface Morphology. <i>Metals</i> , 2018, 8, 389.	1.0	7
74	Anelastic Behavior of Small Dimensioned Aluminum. <i>Metals</i> , 2019, 9, 549.	1.0	7
75	Mechanical spectroscopy study of as-cast and additive manufactured AlSi10Mg. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165361.	2.8	7
76	On the statistical distribution of Cr atoms in Fe–Cr alloys with high swelling resistance in NFR. <i>Journal of Nuclear Materials</i> , 1992, 191-194, 1274-1278.	1.3	6
77	Distribution of Cr associates and mechanical stability of Cr martensitic steels. <i>Journal of Nuclear Materials</i> , 1998, 258-263, 1167-1172.	1.3	6
78	Effect of treatment temperature on the texture of mechanically alloyed Fe–40 at.% Al+Y <sub>2</sub> O <sub>3</sub> intermetallic. <i>Materials Letters</i> , 1999, 41, 283-288.	1.3	6
79	H-induced Cr cluster redistribution in MANET steel. <i>Journal of Alloys and Compounds</i> , 2000, 310, 209-213.	2.8	6
80	Long-Term Heat Treatments on Ti <sub>6</sub> Al <sub>4</sub> V-SiC Composite. Part II - Mechanical Characterization. <i>Materials Science Forum</i> , 0, 604-605, 341-350.	0.3	6
81	Comparison between Roll Diffusion Bonding and Hot Isostatic Pressing Production Processes of Ti <sub>6</sub> Al <sub>4</sub> V-SiC Metal Matrix Composites. <i>Materials Science Forum</i> , 2011, 678, 145-154.	0.3	6
82	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.	0.8	6
83	New Algorithm to Determine the Yield Stress from FIMEC Test. <i>Materials Science Forum</i> , 0, 783-786, 2272-2277.	0.3	6
84	Welding of IN792 DS superalloy by electron beam. <i>Surface and Interface Analysis</i> , 2016, 48, 483-487.	0.8	6
85	Study of High Temperature Properties of AlSi10Mg Alloy Produced by Laser-Based Powder Bed Fusion. <i>Materials Science Forum</i> , 0, 1016, 1485-1491.	0.3	6
86	AISI 304 steel: effects of slow heating rates on $\epsilon \rightarrow \gamma$ reversion. <i>Materials Letters</i> , 1989, 8, 297-300.	1.3	5
87	Microstructural evolution of AISI 304 steel after repeated shock loadings. <i>Materials Letters</i> , 1992, 15, 73-78.	1.3	5
88	Effects of thermal treatments on the ductile to brittle transition of MANET steel. <i>Journal of Nuclear Materials</i> , 1996, 233-237, 248-252.	1.3	5
89	Long-Term Heat Treatments on Ti <sub>6</sub> Al <sub>4</sub> V-SiC Composite. Part I - Microstructural Characterization. <i>Materials Science Forum</i> , 0, 604-605, 331-340.	0.3	5
90	Local Mechanical Characterization of Human Teeth by Instrumented Indentation. <i>Advanced Materials Research</i> , 0, 89-91, 751-756.	0.3	5

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91	Discontinuous Precipitation in a High-Nitrogen Austenitic Steel. Materials Science Forum, 2010, 638-642, 3597-3602.	0.3	5
92	Microstructural Evolution during Tempering of 16Cr-5Ni Stainless Steel: Effects on Final Mechanical Properties. Materials Science Forum, 2013, 762, 176-182.	0.3	5
93	Design of Wear-Resistant Austenitic Steels for Selective Laser Melting. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 962-971.	1.1	5
94	Analysis of Strengthening Mechanisms in Nano-ODS Steel Depending on Preparation Route. Journal of Material Science & Engineering, 2018, 07, .	0.2	5
95	Determination of the Yield Radius and Yield Stress in 2198-T3 Aluminum Alloy by Means of the Dual-Scale Instrumented Indentation Test. Materials Transactions, 2019, 60, 1450-1456.	0.4	5
96	Numerical modelling of residual stress redistribution induced by TIG-dressing. Frattura Ed Integrita Strutturale, 2019, 13, 221-230.	0.5	5
97	Deformation at very high strain rates of Al and ERGAL 7075. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1984, 3, 759-772.	0.4	4
98	Comparison between the behaviour of Al, Mg, Zn after shock loading. Twinning effects. Scripta Metallurgica, 1985, 19, 721-726.	1.2	4
99	MANET steel: thermal treatments and Q <sup>~1</sup> spectrum evolution. Materials Letters, 1995, 25, 249-255.	1.3	4
100	Irreversible transformation in as-cast FeAl B2-ordered alloy obtained by melt spinning. Journal of Materials Research, 2000, 15, 659-664.	1.2	4
101	Influence of Si, Ni and Co additions on gold alloy for investment cast process. Journal of Alloys and Compounds, 2001, 325, 252-258.	2.8	4
102	Fatigue behaviour of Ti sputtered Al composites. International Journal of Materials and Product Technology, 2002, 17, 214.	0.1	4
103	Influence of Ti coatings on the fatigue behaviour of Al matrix MMCs. Part I: fatigue tests and materials characterization. Composites Part B: Engineering, 2005, 36, 439-445.	5.9	4
104	Influence of substrate structure on the development of stress anisotropy in CrN coatings. International Journal of Surface Science and Engineering, 2008, 2, 337.	0.4	4
105	Damping of FeMo Alloys Obtained from SPS Sintering of Nanostructured Powders. Materials Science Forum, 0, 604-605, 203-211.	0.3	4
106	XRD Investigation of Binary Alloy Solidification. Annals of the New York Academy of Sciences, 2009, 1161, 407-415.	1.8	4
107	Surface and bulk characterization of molten In and In-Sn alloys. EPJ Web of Conferences, 2011, 15, 01007.	0.1	4
108	Structural Changes of Liquid Pb-Bi Eutectic Alloy. Materials Science Forum, 0, 706-709, 878-883.	0.3	4

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109	IN792 DS Superalloy: Optimization of EB Welding and Post-Welding Heat Treatments. Materials Science Forum, 2016, 879, 175-180.	0.3	4
110	Oxidative treatment effect on TiH <sub>2</sub> powders. Surface and Interface Analysis, 2018, 50, 1195-1199.	0.8	4
111	An Innovative Industrial Process for Forging 7050 Al Alloy. Materials Science Forum, 2018, 941, 1047-1052.	0.3	4
112	Hydrogen Release from Oxidized Titanium Hydride. Materials Science Forum, 2018, 941, 2203-2208.	0.3	4
113	Dislocation Breakaway Damping in AA7050 Alloy. Metals, 2020, 10, 1682.	1.0	4
114	Flat-Top Cylinder Indenter for Mechanical Characterization: A Report of Industrial Applications. Materials, 2021, 14, 1742.	1.3	4
115	Correlation between anelastic response and microstructure of 5N-Al thin foils. Journal of Alloys and Compounds, 2021, 872, 159693.	2.8	4
116	Microstructure Refinement Effect on EUROFER 97 Steel for Nuclear Fusion Application. Materials Science Forum, 0, 1016, 1392-1397.	0.3	4
117	Dislocation emission in Al during recrystallization. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1986, 8, 647-657.	0.4	3
118	X-ray study on shock loaded AISI 304 steel. Materials Letters, 1991, 10, 453-456.	1.3	3
119	Cr Distribution Effects and Swelling Resistance of Manet Steel. Materials Science Forum, 1992, 97-99, 387-392.	0.3	3
120	Neutron-diffraction study of the crystalline texture in a martensitic steel for fusion-reactor technology. Physica B: Condensed Matter, 1995, 213-214, 809-811.	1.3	3
121	Internal friction and Mössbauer study of Cr associates in MANET steel. Journal of Materials Research, 1997, 12, 296-299.	1.2	3
122	Effect of Ti Coatings on Fatigue Behaviour of the Al 6061 / 20% SiC <sub>p</sub> Composite. Key Engineering Materials, 2000, 188, 91-100.	0.4	3
123	Structures of Solid and Liquid during Melting and Solidification of Indium. Annals of the New York Academy of Sciences, 2002, 974, 68-78.	1.8	3
124	Anelastic Phenomena at the Fibre-Matrix Interface of the Ti6Al4V-SiC <sub>f</sub> Composite. Key Engineering Materials, 2010, 425, 263-270.	0.4	3
125	Micro-Chemistry and Mechanical Behaviour of Ti6Al4V-SiC <sub>f</sub> Composite Produced by HIP for Aeronautical Applications. Materials Science Forum, 0, 678, 23-47.	0.3	3
126	Anelastic Phenomena in Human Dentin below Room Temperature. Solid State Phenomena, 0, 184, 455-460.	0.3	3



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127	Mechanical Characterization of Human Dentin: A Critical Review. Key Engineering Materials, 2013, 541, 75-96.	0.4	3
128	Evaluation of Structural Stability of Materials through Mechanical Spectroscopy: Four Case Studies. Metals, 2016, 6, 306.	1.0	3
129	Temperature Dependent Phenomena in Liquid LBE Alloy. Materials Science Forum, 0, 884, 41-52.	0.3	3
130	Analysis of Relaxation Processes in HNS Due to Interstitial-Substitutional Pairs. Metals, 2017, 7, 246.	1.0	3
131	Laser Beam Welding of IN792 DS Superalloy. Materials Science Forum, 0, 941, 1149-1154.	0.3	3
132	Experimental Techniques to Investigate Residual Stress in Joints. , 0, , .		3
133	Processingâ€“Structureâ€“Property Relationships in Metals. Metals, 2019, 9, 907.	1.0	3
134	XPS study of Cr segregation in a martensitic stainless steel. Surface and Interface Analysis, 2020, 52, 1089-1092.	0.8	3
135	X-ray diffraction study on proton-irradiated high-purity aluminum. Materials Letters, 1989, 8, 477-480.	1.3	2
136	Influence of Ti coatings on the fatigue behaviour of Al-Matrix MMCs. Part II: FEM simulations. Composites Part B: Engineering, 2005, 36, 446-454.	5.9	2
137	Metal Objects Mapping After Small Charge Explosions. A Study on AISI 304Cu Steel with Two Different Grain Sizes. Journal of Forensic Sciences, 2006, 51, 520-531.	0.9	2
138	Microstructural Characterization of Ti6Al4V-SiC<sub>f</sub>&lt;sub>f</sub>; Composite Produced by New Roll-Bonding Process. Advanced Materials Research, 0, 89-91, 715-720.	0.3	2
139	Anelastic phenomena associated to water loss and collagen degradation in human dentin. Materials Science and Engineering C, 2013, 33, 1455-1459.	3.8	2
140	Dislocation Density Effect on Thermal Diffusivity of AISI 316 Steel. Key Engineering Materials, 0, 605, 27-30.	0.4	2
141	Microchemical inhomogeneity in eutectic Pbâ€“Bi alloy quenched from melt. Surface and Interface Analysis, 2014, 46, 877-881.	0.8	2
142	Effects of Heat Treatments on Tungsten for Armours in NFR. Materials Science Forum, 0, 783-786, 2353-2358.	0.3	2
143	Early Instability Phenomena of IN792 DS Superalloy. Materials Science Forum, 2016, 879, 2026-2031.	0.3	2
144	Effect of Heat Treatments on TiH<sub>2</sub>: Surface Composition and Hydrogen Release. Materials Science Forum, 2016, 879, 2032-2037.	0.3	2

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145	Anelastic Phenomena Preceding the Melting of Pure Metals and Alloys. Materials Science Forum, 2016, 879, 66-71.	0.3	2
146	Physical Phenomena Leading to Melting of Metals. Materials Science Forum, 0, 884, 3-17.	0.3	2
147	Welding of IN792 DS Superalloy by High Energy Density Techniques. Materials Science Forum, 0, 884, 166-177.	0.3	2
148	Flat-Top Cylinder Indenter Examination of Duplex Stainless Steel 2205 after Different Heat Treatments. Metals, 2017, 7, 178.	1.0	2
149	Temperature Dependent Mechanical Behavior of ODS Steels. Materials Science Forum, 2018, 941, 257-262.	0.3	2
150	Lead-Bismuth Eutectic: Atomic and Micro-Scale Melt Evolution. Materials, 2019, 12, 3158.	1.3	2
151	Residual stresses in the graded interlayer between W and CuCrZr alloy. Journal of Materials Science, 2022, 57, 285-298.	1.7	2
152	Grain Growth Effects on Creep. Materials Science Forum, 1992, 94-96, 513-518.	0.3	1
153	Effect of thermal treatments on an ordered Fe-37 at% Al intermetallic compound with Ce, La and Zr additions. Materials Letters, 1995, 25, 239-243.	1.3	1
154	Anelastic Phenomena and Cr <sub>2</sub> N Precipitation in a High Nitrogen Austenitic Steel. Advanced Materials Research, 0, 89-91, 485-490.	0.3	1
155	Implementation of neural network for the thrust force prediction in hot drilling of 6082 aluminium alloy. International Journal of Computational Materials Science and Surface Engineering, 2010, 3, 175.	0.2	1
156	Mechanical Spectroscopy Examination of Human Dentin. Key Engineering Materials, 0, 541, 63-74.	0.4	1
157	Microchemical investigation of thick W coating on AISI 420 martensitic steel. Surface and Interface Analysis, 2014, 46, 873-876.	0.8	1
158	HT-XRD Analysis of W Thick Coatings for Nuclear Fusion Technology. Key Engineering Materials, 2014, 605, 31-34.	0.4	1
159	Investigation of skin-core joints in aluminium foam sandwich panels by EDS and XPS. Surface and Interface Analysis, 2016, 48, 479-482.	0.8	1
160	Surface and microstructural analyses of a Roman quadrans dating back to first century AD. Surface and Interface Analysis, 2018, 50, 1042-1045.	0.8	1
161	Effect of Al substrate microstructure on layered double hydroxide morphology. Journal of Materials Science, 2019, 54, 12437-12449.	1.7	1
162	La distribution on the crater surface of W <sub>0.1</sub> La <sub>2</sub> O <sub>3</sub> produced by a single laser pulse. Surface and Interface Analysis, 2020, 52, 1093-1097.	0.8	1

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163	Work-Hardening Behavior of Cold Rolled EUROFER97 Steel for Nuclear Fusion Applications. Materials Proceedings, 2021, 3, .	0.2	1
164	Grain Orientation and Hardness in the Graded Interlayer of Plasma Sprayed W on CuCrZr. Applied Sciences (Switzerland), 2022, 12, 1822.	1.3	1
165	Microstructural modifications in -brass targets after small charge explosions. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, 33, 76-81.	0.7	0
166	Mechanical Behaviour of Metals under Explosive Loading. Materials Science Forum, 2010, 638-642, 22-28.	0.3	0
167	Mechanical Spectroscopy Applications for Investigating Metallurgical Processes. Materials Science Forum, 0, 706-709, 113-120.	0.3	0
168	Micro and Nano Scale Anelastic Phenomena in Human Dentin. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1007-1012.	0.4	0
169	Elemental Clustering and Structure of Liquid LBE. Advanced Materials Research, 0, 922, 785-790.	0.3	0
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