Kenta Yamanaka

List of Publications by Year
in descending order

130 papers	3,485 citations	117453 34 h-index	174990 52 g-index
132 all docs	132 docs citations	132 times ranked	2146 citing authors

#	Article	IF	Citations
1	Relationship between the microstructure and mechanical properties of an equiatomic AlCoCrFeNi high-entropy alloy fabricated by selective electron beam melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 656, 39-46.	2.6	144
2	Strain-induced martensitic transformation near twin boundaries in a biomedical Coâ€“Crâ€“Mo alloy with negative stacking fault energy. Acta Materialia, 2013, 61, 1648-1661.	3.8	140
3	First demonstration of promising selective electron beam melting method for utilizing high-entropy alloys as engineering materials. Materials Letters, 2015, 159, 12-15.	1.3	133
4	CoCrFeNiTi-based high-entropy alloy with superior tensile strength and corrosion resistance achieved by a combination of additive manufacturing using selective electron beam melting and solution treatment. Materials Letters, 2017, 189, 148-151.	1.3	130
5	Ultrafine Grain Refinement of Biomedical Co-29Cr-6Mo Alloy during Conventional Hot-Compression Deformation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 1980-1994.	1.1	111
6	In-situ fabrication and characterization of ultrafine structured Cuâ€“TiC composites with high strength and high conductivity by mechanical milling. Journal of Alloys and Compounds, 2016, 657, 122-132.	2.8	95
7	Effects of post-processing on cyclic fatigue response of a titanium alloy additively manufactured by electron beam melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 680, 239-248.	2.6	91
8	Nanoarchitectured Coâ€“Crâ€“Mo orthopedic implant alloys: Nitrogen-enhanced nanostructural evolution and its effect on phase stability. Acta Biomaterialia, 2013, 9, 6259-6267.	4.1	86
9	Evolution of cold-rolled microstructures of biomedical Co-Cr-Mo alloys with and without N doping. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 614-621.	2.6	73
10	Effects of nitrogen addition on microstructure and mechanical behavior of biomedical Coâ€“Crâ€“Mo alloys. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 29, 417-426.	1.5	73
11	Development of new Coâ€“Crâ€“W-based biomedical alloys: Effects of microalloying and thermomechanical processing on microstructures and mechanical properties. Materials & Design, 2014, 55, 987-998.	5.1	72
12	Mechanical properties of as-forged Ni-free Coâ€“29Crâ€“6Mo alloys with ultrafine-grained microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5961-5966.	2.6	71
13	Effects of sigma phase and carbide on the wear behavior of CoCrMo alloys in Hanks' solution. Wear, 2014, 310, 51-62.	1.5	69
14	Mechanical and corrosion properties of AlCoCrFeNi high-entropy alloy fabricated with selective electron beam melting. Additive Manufacturing, 2018, 23, 264-271.	1.7	69
15	Molten pool behavior and effect of fluid flow on solidification conditions in selective electron beam melting (SEBM) of a biomedical Co-Cr-Mo alloy. Additive Manufacturing, 2019, 26, 202-214.	1.7	69
16	Electron beam additive manufacturing of Inconel 718 alloy rods: Impact of build direction on microstructure and high-temperature tensile properties. Additive Manufacturing, 2018, 23, 457-470.	1.7	60
17	Enhanced Mechanical Properties of As-Forged Co-Cr-Mo-N Alloys with Ultrafine-Grained Structures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 5243-5257.	1.1	58
18	Hot deformation characteristics and dynamic recrystallization mechanisms of a Coâ€“Ni-based superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 788, 139638.	2.6	58

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19	Local strain evolution due to athermal Î³â†'Îµ martensitic transformation in biomedical Co Cr Mo alloys. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 32, 52-61.	1.5	57
20	Corrosion mechanism of an equimolar AlCoCrFeNi high-entropy alloy additively manufactured by electron beam melting. Npj Materials Degradation, 2020, 4, .	2.6	55
21	Mechanical and corrosion properties of CoCrFeNiTi-based high-entropy alloy additive manufactured using selective laser melting. Additive Manufacturing, 2019, 25, 412-420.	1.7	54
22	Regulating the coarsening of the Î³â€² phase in superalloys. NPG Asia Materials, 2015, 7, e212-e212.	3.8	52
23	Stacking-fault strengthening of biomedical Coâ€“Crâ€“Mo alloy via multipass thermomechanical processing. Scientific Reports, 2017, 7, 10808.	1.6	49
24	Origin of Significant Grain Refinement in Co-Cr-Mo Alloys Without Severe Plastic Deformation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 4875-4887.	1.1	48
25	Influence of two-step ball-milling condition on electrical and mechanical properties of TiC-dispersion-strengthened Cu alloys. Materials & Design, 2014, 64, 441-449.	5.1	48
26	Preparation of weak-textured commercially pure titanium by electron beam melting. Additive Manufacturing, 2015, 8, 105-109.	1.7	41
27	Dynamic recrystallization of a biomedical Coâ€“Crâ€“W-based alloy under hot deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 592, 173-181.	2.6	40
28	Study of microstructure evolution and properties of Cu-Fe microcomposites produced by a pre-alloyed powder method. Materials and Design, 2017, 126, 64-72.	3.3	39
29	Effect of Al content and cold rolling on the microstructure and mechanical properties of Al5Cr12Fe35Mn28Ni20 high-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 759, 380-390.	2.6	39
30	Abnormal grain growth in commercially pure titanium during additive manufacturing with electron beam melting. Materialia, 2019, 6, 100281.	1.3	37
31	Effects of carbon concentration on microstructure and mechanical properties of as-cast nickel-free Coâ€“28Crâ€“9W-based dental alloys. Materials Science and Engineering C, 2014, 40, 127-134.	3.8	36
32	Analysis of the Fracture Mechanism of Ti-6Al-4V Alloy Rods That Failed Clinically After Spinal Instrumentation Surgery. Spine, 2015, 40, E767-E773.	1.0	36
33	Microstructures and Mechanical Properties of Biomedical Co-29Cr-6Mo-0.14N Alloys Processed by Hot Rolling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3108-3119.	1.1	35
34	Role of strain-induced martensitic transformation on extrusion and intrusion formation during fatigue deformation of biomedical Coâ€“Crâ€“Moâ€“N alloys. Acta Materialia, 2014, 81, 377-385.	3.8	35
35	Assessment of precipitation behavior in dental castings of a Coâ€“Crâ€“Mo alloy. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 50, 268-276.	1.5	32
36	Forging property, processing map, and mesoscale microstructural evolution modeling of a Ti-17 alloy with a lamellar (Î±+Î²) starting microstructure. Science and Technology of Advanced Materials, 2017, 18, 893-904.	2.8	31

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37	Phase decomposition in biomedical Coâ€“29Crâ€“6Moâ€“0.2N alloy during isothermal heat treatment at 1073K. Journal of Alloys and Compounds, 2014, 590, 411-416.	2.8	30
38	Synergetic strengthening in HfMoNbTaTi refractory high-entropy alloy via disordered nanoscale phase and semicoherent refractory particle. Materials and Design, 2021, 212, 110248.	3.3	30
39	Effects of microstructures on the sliding behavior of hot-pressed CoCrMo alloys. Wear, 2014, 319, 200-210.	1.5	29
40	Influence of carbon addition on mechanical properties and microstructures of Ni-free Coâ€“Crâ€“W alloys subjected to thermomechanical processing. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 274-285.	1.5	29
41	Developing high strength and ductility in biomedical Coâ€“Cr cast alloys by simultaneous doping with nitrogen and carbon. Acta Biomaterialia, 2016, 31, 435-447.	4.1	29
42	Controlling factors determining flowability of powders for additive manufacturing: A combined experimental and simulation study. Powder Technology, 2021, 393, 482-493.	2.1	29
43	Effect of multipass thermomechanical processing on the corrosion behaviour of biomedical Coâ€“Crâ€“Mo alloys. Corrosion Science, 2019, 148, 178-187.	3.0	27
44	Thermal properties of powder beds in energy absorption and heat transfer during additive manufacturing with electron beam. Powder Technology, 2021, 381, 44-54.	2.1	27
45	Surface characterisation of Ni-free Coâ€“Crâ€“W-based dental alloys exposed to high temperatures and the effects of adding silicon. Corrosion Science, 2015, 94, 411-419.	3.0	26
46	Refinement of solidification microstructures by carbon addition in biomedical Coâ€“28Crâ€“9Wâ€“1Si alloys. Materials Letters, 2014, 116, 82-85.	1.3	25
47	Submicron lamellar porous structure formed by selective dissolution of Ti-Al alloy. Materials and Design, 2016, 98, 1-11.	3.3	25
48	Tuning strain-induced Î³-to-Îµ martensitic transformation of biomedical Coâ€“Crâ€“Mo alloys by introducing parent phase lattice defects. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 523-529.	1.5	25
49	Smoke Suppression in Electron Beam Melting of Inconel 718 Alloy Powder Based on Insulatorâ€“Metal Transition of Surface Oxide Film by Mechanical Stimulation. Materials, 2021, 14, 4662.	1.3	25
50	Precipitation behavior of a novel cobalt-based superalloy subjected to prior plastic deformations. Materials and Design, 2016, 112, 1-10.	3.3	24
51	Microstructural control of alloy 718 fabricated by electron beam melting with expanded processing window by adaptive offset method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138058.	2.6	24
52	Role of operating and environmental conditions in determining molten pool dynamics during electron beam melting and selective laser melting. Additive Manufacturing, 2020, 36, 101559.	1.7	24
53	Strengthening of biomedical Ni-free Coâ€“Crâ€“Mo alloy by multipass â€œlow-strain-per-passâ€• thermomechanical processing. Acta Biomaterialia, 2015, 28, 215-224.	4.1	23
54	Effect of carbon on the microstructure, mechanical properties and metal ion release of Ni-free Coâ€“Crâ€“Mo alloys containing nitrogen. Materials Science and Engineering C, 2015, 55, 145-154.	3.8	23

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55	Cold-rolling behavior of biomedical Ni-free Coâ€“Crâ€“Mo alloys: Role of strain-induced Îµ martensite and its intersecting phenomena. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 55, 201-214.	1.5	23
56	Comprehensive study on mechanisms for grain morphology evolution and texture development in powder bed fusion with electron beam of Coâ€“Crâ€“Mo alloy. Materialia, 2019, 6, 100346.	1.3	23
57	Solidification behavior of falling germanium droplets produced by pulsated orifice ejection method. Journal of Crystal Growth, 2008, 310, 2915-2922.	0.7	21
58	A Constitutive Model and Processing Maps Describing the Highâ€Temperature Deformation Behavior of Tiâ€17 Alloy in the Î²â€Phase Field. Advanced Engineering Materials, 2019, 21, 1800775.	1.6	21
59	Characterization of powder bed generation in electron beam additive manufacturing by discrete element method (DEM). Materials Today: Proceedings, 2017, 4, 11437-11440.	0.9	19
60	Effects of nitrogen on microstructural evolution of biomedical Coâ€“Crâ€“W alloys during hot deformation and subsequent cooling. Materials & Design, 2014, 57, 421-425.	5.1	18
61	Effect of cold rolling on phase decomposition in biomedical Coâ€“29Crâ€“6Moâ€“0.2N alloy during isothermal heat treatment at 1073 K. Journal of Alloys and Compounds, 2014, 612, 273-279.	2.8	18
62	Effect of Building Position on Phase Distribution in Co-Cr-Mo Alloy Additive Manufactured by Electron-Beam Melting. Materials Transactions, 2016, 57, 2041-2047.	0.4	18
63	Manufacturing of high-strength Ni-free Coâ€“Crâ€“Mo alloy rods via cold swaging. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 60, 38-47.	1.5	18
64	The influence of temperature during water-quench rapid heat treatment on the microstructure, mechanical properties and biocompatibility of Ti 6Al 4V ELI alloy. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 144-151.	1.5	18
65	Superthermostability of nanoscale TIC-reinforced copper alloys manufactured by a two-step ball-milling process. Philosophical Magazine, 2015, 95, 4035-4053.	0.7	17
66	Investigation on hot deformation behavior of nanoscale TiC-strengthened Cu alloys fabricated by mechanical milling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 668, 1-12.	2.6	17
67	Continuous Measurements of Recrystallization and Grain Growth in Cobalt Super Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 2363-2374.	1.1	17
68	Significant lattice-distortion effect on compressive deformation in Mo-added CoCrFeNi-based high-entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 830, 142295.	2.6	17
69	Effects of plasma rotating electrode process parameters on the particle size distribution and microstructure of Ti-6Al-4ÂV alloy powder. Powder Technology, 2020, 376, 363-372.	2.1	16
70	Isothermal Î³ â†' Îµ phase transformation behavior in a Co-Cr-Mo alloy depending on thermal history during electron beam powder-bed additive manufacturing. Journal of Materials Science and Technology, 2020, 50, 162-170.	5.6	16
71	Modeling dynamic recrystallization of L-605 cobalt superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 653, 84-92.	2.6	15
72	Centrifugal granulation behavior in metallic powder fabrication by plasma rotating electrode process. Scientific Reports, 2020, 10, 18446.	1.6	15

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73	Uneven damage on head and liner contact surfaces of a retrieved Coâ€“Cr-based metal-on-metal hip joint bearing: An important reason for the high failure rate. Materials Science and Engineering C, 2016, 62, 532-543.	3.8	14
74	Significance of powder feedstock characteristics in defect suppression of additively manufactured Inconel 718. Additive Manufacturing, 2020, 34, 101277.	1.7	14
75	Adhesion mechanism of cold-sprayed Sn coatings on carbon fiber reinforced plastics. Applied Surface Science, 2022, 579, 151873.	3.1	13
76	Significant impact of yttrium microaddition on high temperature tensile properties of Inconel 713C superalloy. Materials Letters, 2018, 227, 40-43.	1.3	12
77	Effects of process parameters and cooling gas on powder formation during the plasma rotating electrode process. Powder Technology, 2021, 393, 301-311.	2.1	12
78	Strain-Induced Martensitic Transformation and Texture Evolution in Cold-Rolled Coâ€“Cr Alloys. Quantum Beam Science, 2018, 2, 11.	0.6	11
79	Thermal Effects in Sn Coating on a Carbon Fiber Reinforced Plastic by Cold Spraying. Journal of Thermal Spray Technology, 2021, 30, 1254-1261.	1.6	11
80	Calculation-driven design of off-equiatomic high-entropy alloys with enhanced solid-solution strengthening. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 817, 141359.	2.6	11
81	Microstructure and mechanical properties of Tiâ€“Nbâ€“Feâ€“Zr alloys with high strength and low elastic modulus. Transactions of Nonferrous Metals Society of China, 2022, 32, 503-512.	1.7	11
82	Nitrogen-induced dynamic strain aging in a biomedical-grade Coâ€“Crâ€“Mo alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 69-75.	2.6	10
83	Development of microstructure and mechanical properties during annealing of a cold-swaged Coâ€“Crâ€“Mo alloy rod. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 64, 187-198.	1.5	10
84	Effect of nitrogen on the microstructure and mechanical properties of Coâ€“33Crâ€“9W alloys prepared by dental casting. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 693-700.	1.5	10
85	Impact of minor alloying with C and Si on the precipitation behavior and mechanical properties of N-doped Coâ€“Cr alloy dental castings. Materials Science and Engineering C, 2018, 92, 112-120.	3.8	10
86	Characterisation of nanoscale carbide precipitation in as-cast Coâ€“Crâ€“W-based dental alloys. Journal of Materials Chemistry B, 2016, 4, 1778-1786.	2.9	9
87	Preventing high-temperature oxidation of Coâ€“Cr-based dental alloys by boron doping. Journal of Materials Chemistry B, 2016, 4, 309-317.	2.9	9
88	Influence of interatomic interactions on the mechanical properties of face-centered cubic multicomponent Coâ€“Niâ€“Crâ€“Mo alloys. Materialia, 2020, 12, 100742.	1.3	9
89	Preparation of high-strength Coâ^'Crâ^'Mo alloy rods via hot-caliber rolling. Materialia, 2020, 12, 100729.	1.3	9
90	Cold-Workability and Microstructure Change with Î²-Phase Stability in High-Strength Ti-Mn Binary Alloys. Jom, 2019, 71, 3590-3599.	0.9	8

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91	Quantifying the dislocation structures of additively manufactured Tiâ€“6Alâ€“4V alloys using X-ray diffraction line profile analysis. Additive Manufacturing, 2021, 37, 101678.	1.7	8
92	Spreading behavior of Ti 48Al 2Cr 2Nb powders in powder bed fusion additive manufacturing process: Experimental and discrete element method study. Additive Manufacturing, 2022, 49, 102489.	1.7	8
93	Texture evolution and mechanical anisotropy of biomedical hot-rolled Coâ€“Crâ€“Mo alloy. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 51, 205-214.	1.5	7
94	Study on Hot Deformation Behavior of Beta Ti-17Mo Alloy for Biomedical Applications. Jom, 2022, 74, 494-505.	0.9	7
95	Manipulating local heat accumulation towards controlled quality and microstructure of a Co-Cr-Mo alloy in powder bed fusion with electron beam. Materials Letters, 2019, 254, 269-272.	1.3	6
96	Corrosion-resistant carbide-reinforced martensitic steel by Cu modification. Npj Materials Degradation, 2019, 3, .	2.6	6
97	Low Youngâ€™s Modulus and High Strength Obtained in Ti-Nb-Zr-Cr Alloys by Optimizing Zr Content. Journal of Materials Engineering and Performance, 2020, 29, 2871-2878.	1.2	6
98	Microstructure, mechanical properties, and cytotoxicity of low Youngâ€™s modulus Tiâ€“Nbâ€“Feâ€“Sn alloys. Journal of Materials Science, 2022, 57, 5634-5644.	1.7	6
99	Low Springback and Low Youngâ€™s Modulus in Tiâ€“29Nbâ€“13Taâ€“4.6Zr Alloy Modified by Mo Addition. Materials Transactions, 2019, 60, 1755-1762.	0.4	5
100	Favorable modulation of osteoblast cellular activity on Zrâ€modified Coâ€“Crâ€“Mo alloy: The significant impact of zirconium on cellâ€“substrate interactions. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1518-1526.	1.6	5
101	Manufacturing of a nanosized TiB strengthened Ti-based alloy via electron beam powder bed fusion. Additive Manufacturing, 2020, 36, 101472.	1.7	5
102	A study on wettability and formation of intermetallic phase between Coâ€“Crâ€“Mo alloy and Sn-Solder used as a potential under bump metallization for flip-chip packages. Intermetallics, 2020, 125, 106875.	1.8	5
103	Surface evolution and corrosion behaviour of Cu-doped carbide-reinforced martensitic steels in a sulfuric acid solution. Npj Materials Degradation, 2021, 5, .	2.6	5
104	Characterization of oxide films on wrought Coâ€“Crâ€“Moâ€“xSi alloys exposed to high-temperature oxidation. Corrosion Science, 2021, 191, 109753.	3.0	5
105	Demonstrating a duplex TRIP/TWIP titanium alloy via the introduction of metastable retained Î²-phase. Materials Research Letters, 2022, 10, 754-761.	4.1	5
106	Line-Profile Analysis Combined with Texture Analysis for Characterizing Dislocation Distribution in Texture Components of Cold-Rolled Copper Sheets. High Temperature Materials and Processes, 2016, 35, 705-713.	0.6	4
107	Effect of Building Position on Phase Distribution in Co-Cr-Mo Alloy Additive Manufactured by EBM. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 10-16.	0.1	4
108	The microstructure and mechanical properties of selective electron beam melting manufactured 9â€“12Cr ferritic/martensitic steel using N- and Ar-atomized powder. Additive Manufacturing, 2021, 45, 102075.	1.7	3

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109	Macro-mesoscale microstructural evolution modeling under hot forging of a Ti-17 alloy with a lamellar (Î±+Î²) starting microstructure. MATEC Web of Conferences, 2020, 321, 13005.	0.1	3
110	Compensation for Friction and Temperature Increase Due to Adiabatic Heating duringHot Compression Testing and Construction of ^|^ldquo;Processing Map^|^rdquo; of BiomedicalCo-29Cr-6Mo-0.16N Alloy. Journal of the Japan Society for Technology of Plasticity, 2010, 51, 221-226.	0.0	3
111	Current status of Metal Additive Manufacturing and Microstructure Control of Metal Parts in Powder Bed Fusionï¼ˆPBFï¼‰. Journal of Smart Processing, 2018, 7, 216-222.	0.0	3
112	A survey on basic influencing factors of solidified grain morphology during electron beam melting. Materials and Design, 2022, 221, 110927.	3.3	3
113	Dynamic recrystallization of Sn coatings on carbon-fiber-reinforced plastics during cold spray additive manufacturing. Additive Manufacturing, 2022, 56, 102949.	1.7	2
114	Dynamic Strain Aging in Biomedical Coâ€“Crâ€“Mo-Based Alloys with Nitrogen Doping. Key Engineering Materials, 2012, 508, 141-145.	0.4	1
115	Effects of Carbon Addition on Mechanical Properties and Microstructures of Ni-Free Coâ€“Crâ€“W-Based Dental Alloys. , 2015, , 225-236.		1
116	Non-Equilibrium Solidification Behavior With Solute Trapping Associated With Powder Characteristics During Electron Beam Additive Manufacturing. SSRN Electronic Journal, 0, , .	0.4	1
117	Effect of microstructure on tensile properties of Ti-17 alloys forged using a 1500-ton forging simulator. MATEC Web of Conferences, 2020, 321, 04014.	0.1	1
118	Grain Morphology and Texture Development in a Co-Cr-Mo Alloy Fabricated by Powder Bed Fusion with an Electron Beam. SSRN Electronic Journal, 0, , .	0.4	1
119	Superior hardnessâ€“corrosion-resistance combination in a Co-, Cu-modified Niâ€“Crâ€“Mo alloy via multiple nanoscale segregation mechanisms. Scripta Materialia, 2022, 209, 114389.	2.6	1
120	Ball-milling treatment of gas-atomized Ti 48Al 2Cr 2Nb powder and its effect on preventing smoking during electron beam powder bed fusion building process. Additive Manufacturing, 2022, 51, 102634.	1.7	1
121	Analysis of hierarchical microstructural evolution in electron beam powder bed fusion Tiâ€“6Alâ€“4V alloys via time-of-flight neutron diffraction. Additive Manufacturing Letters, 2022, 3, 100053.	0.9	1
122	The significance of thermomechanical processing on the cellular response of biomedical Coâ€“Crâ€“Mo alloys. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 133, 105360.	1.5	1
123	Nitrogen-Enhanced Nanostructural Evolution and its Effect on Phase Stability in Biomedical Co-Cr-Mo Alloys. Advanced Materials Research, 0, 922, 826-831.	0.3	0
124	Phase transformation and evolution of dislocation structure in the Î² phase of Ti-17 alloy during hot deformation. MATEC Web of Conferences, 2020, 321, 13006.	0.1	0
125	Guide to Development of Innovative Joining Technology. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2017, 86, 570-578.	0.0	0
126	VBTree Tutorial: Automatic Completion of Group Operation on Structural Dataset. , 2020, , .		0

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127	In situ synchrotron X-ray diffraction line-profile analysis of additively manufactured Tiâˆ’6Alâˆ’4V alloy under tensile deformation. MATEC Web of Conferences, 2020, 321, 03026.	0.1	0
128	Influence of Interatomic Interactions on the Mechanical Properties of Face-Centered Cubic Multicomponent Co-Ni-Cr-Mo Alloys. SSRN Electronic Journal, 0, , .	0.4	0
129	Preparation of High-Strength Co-Cr-Mo Alloy Rods Via Hot-Caliber Rolling. SSRN Electronic Journal, 0, , .	0.4	0
130	Preface to the Special Issue on â€œBioadaptive Materials, Design of Biomaterials Based on the Biological Mechanismsâ€. Materia Japan, 2020, 59, 587-587.	0.1	0