

Kenta Yamanaka

List of Publications by Year in descending order

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130
papers

3,485
citations

117571

34
h-index

175177

52
g-index

132
all docs

132
docs citations

132
times ranked

2146
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant lattice-distortion effect on compressive deformation in Mo-added CoCrFeNi-based high-entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 830, 142295.	2.6	17
2	Superior hardness&corrosion-resistance combination in a Co-, Cu-modified Ni&Cr&Mo alloy via multiple nanoscale segregation mechanisms. <i>Scripta Materialia</i> , 2022, 209, 114389.	2.6	1
3	Spreading behavior of Ti 48Al 2Cr 2Nb powders in powder bed fusion additive manufacturing process: Experimental and discrete element method study. <i>Additive Manufacturing</i> , 2022, 49, 102489.	1.7	8
4	Adhesion mechanism of cold-sprayed Sn coatings on carbon fiber reinforced plastics. <i>Applied Surface Science</i> , 2022, 579, 151873.	3.1	13
5	Study on Hot Deformation Behavior of Beta Ti-17Mo Alloy for Biomedical Applications. <i>Jom</i> , 2022, 74, 494-505.	0.9	7
6	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. <i>Additive Manufacturing</i> , 2022, 51, 102634.	1.7	1
7	Microstructure and mechanical properties of Ti&Nb&Fe&Zr alloys with high strength and low elastic modulus. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 503-512.	1.7	11
8	Microstructure, mechanical properties, and cytotoxicity of low Young's modulus Ti&Nb&Fe&Sn alloys. <i>Journal of Materials Science</i> , 2022, 57, 5634-5644.	1.7	6
9	Analysis of hierarchical microstructural evolution in electron beam powder bed fusion Ti&6Al&4V alloys via time-of-flight neutron diffraction. <i>Additive Manufacturing Letters</i> , 2022, 3, 100053.	0.9	1
10	Dynamic recrystallization of Sn coatings on carbon-fiber-reinforced plastics during cold spray additive manufacturing. <i>Additive Manufacturing</i> , 2022, 56, 102949.	1.7	2
11	Demonstrating a duplex TRIP/TWIP titanium alloy via the introduction of metastable retained β -phase. <i>Materials Research Letters</i> , 2022, 10, 754-761.	4.1	5
12	The significance of thermomechanical processing on the cellular response of biomedical Co&Cr&Mo alloys. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 133, 105360.	1.5	1
13	A survey on basic influencing factors of solidified grain morphology during electron beam melting. <i>Materials and Design</i> , 2022, 221, 110927.	3.3	3
14	Quantifying the dislocation structures of additively manufactured Ti&6Al&4V alloys using X-ray diffraction line profile analysis. <i>Additive Manufacturing</i> , 2021, 37, 101678.	1.7	8
15	Thermal properties of powder beds in energy absorption and heat transfer during additive manufacturing with electron beam. <i>Powder Technology</i> , 2021, 381, 44-54.	2.1	27
16	Thermal Effects in Sn Coating on a Carbon Fiber Reinforced Plastic by Cold Spraying. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1254-1261.	1.6	11
17	Calculation-driven design of off-equiatomic high-entropy alloys with enhanced solid-solution strengthening. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 817, 141359.	2.6	11
18	Smoke Suppression in Electron Beam Melting of Inconel 718 Alloy Powder Based on Insulator&Metal Transition of Surface Oxide Film by Mechanical Stimulation. <i>Materials</i> , 2021, 14, 4662.	1.3	25

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19	Surface evolution and corrosion behaviour of Cu-doped carbide-reinforced martensitic steels in a sulfuric acid solution. <i>Npj Materials Degradation</i> , 2021, 5, .	2.6	5
20	The microstructure and mechanical properties of selective electron beam melting manufactured 9â€“12Cr ferritic/martensitic steel using N- and Ar-atomized powder. <i>Additive Manufacturing</i> , 2021, 45, 102075.	1.7	3
21	Characterization of oxide films on wrought Coâ€“Crâ€“Moâ€“xSi alloys exposed to high-temperature oxidation. <i>Corrosion Science</i> , 2021, 191, 109753.	3.0	5
22	Controlling factors determining flowability of powders for additive manufacturing: A combined experimental and simulation study. <i>Powder Technology</i> , 2021, 393, 482-493.	2.1	29
23	Effects of process parameters and cooling gas on powder formation during the plasma rotating electrode process. <i>Powder Technology</i> , 2021, 393, 301-311.	2.1	12
24	Synergetic strengthening in HfMoNbTaTi refractory high-entropy alloy via disordered nanoscale phase and semicoherent refractory particle. <i>Materials and Design</i> , 2021, 212, 110248.	3.3	30
25	Favorable modulation of osteoblast cellular activity on Zrâ€“modified Coâ€“Crâ€“Mo alloy: The significant impact of zirconium on cellâ€“substrate interactions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1518-1526.	1.6	5
26	Role of operating and environmental conditions in determining molten pool dynamics during electron beam melting and selective laser melting. <i>Additive Manufacturing</i> , 2020, 36, 101559.	1.7	24
27	Phase transformation and evolution of dislocation structure in the β^2 phase of Ti-17 alloy during hot deformation. <i>MATEC Web of Conferences</i> , 2020, 321, 13006.	0.1	0
28	Manufacturing of a nanosized TiB strengthened Ti-based alloy via electron beam powder bed fusion. <i>Additive Manufacturing</i> , 2020, 36, 101472.	1.7	5
29	Effects of plasma rotating electrode process parameters on the particle size distribution and microstructure of Ti-6Al-4V alloy powder. <i>Powder Technology</i> , 2020, 376, 363-372.	2.1	16
30	Centrifugal granulation behavior in metallic powder fabrication by plasma rotating electrode process. <i>Scientific Reports</i> , 2020, 10, 18446.	1.6	15
31	Corrosion mechanism of an equimolar AlCoCrFeNi high-entropy alloy additively manufactured by electron beam melting. <i>Npj Materials Degradation</i> , 2020, 4, .	2.6	55
32	Low Youngâ€™s Modulus and High Strength Obtained in Ti-Nb-Zr-Cr Alloys by Optimizing Zr Content. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 2871-2878.	1.2	6
33	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. <i>Intermetallics</i> , 2020, 125, 106875.	1.8	5
34	Significance of powder feedstock characteristics in defect suppression of additively manufactured Inconel 718. <i>Additive Manufacturing</i> , 2020, 34, 101277.	1.7	14
35	Isothermal $\beta \rightarrow \beta'$ phase transformation behavior in a Co-Cr-Mo alloy depending on thermal history during electron beam powder-bed additive manufacturing. <i>Journal of Materials Science and Technology</i> , 2020, 50, 162-170.	5.6	16
36	Hot deformation characteristics and dynamic recrystallization mechanisms of a Coâ€“Ni-based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 788, 139638.	2.6	58

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37	Influence of interatomic interactions on the mechanical properties of face-centered cubic multicomponent Co-Ni-Cr-Mo alloys. <i>Materialia</i> , 2020, 12, 100742.	1.3	9
38	Effect of microstructure on tensile properties of Ti-17 alloys forged using a 1500-ton forging simulator. <i>MATEC Web of Conferences</i> , 2020, 321, 04014.	0.1	1
39	Macro-mesoscale microstructural evolution modeling under hot forging of a Ti-17 alloy with a lamellar ($\alpha+\beta$) starting microstructure. <i>MATEC Web of Conferences</i> , 2020, 321, 13005.	0.1	3
40	VBTREE Tutorial: Automatic Completion of Group Operation on Structural Dataset. , 2020, , .		0
41	Preparation of high-strength Co-Cr-Mo alloy rods via hot-caliber rolling. <i>Materialia</i> , 2020, 12, 100729.	1.3	9
42	In situ synchrotron X-ray diffraction line-profile analysis of additively manufactured Ti-6Al-4V alloy under tensile deformation. <i>MATEC Web of Conferences</i> , 2020, 321, 03026.	0.1	0
43	Preface to the Special Issue on "Bioadaptive Materials, Design of Biomaterials Based on the Biological Mechanisms". <i>Materia Japan</i> , 2020, 59, 587-587.	0.1	0
44	Cold-Workability and Microstructure Change with β -Phase Stability in High-Strength Ti-Mn Binary Alloys. <i>Jom</i> , 2019, 71, 3590-3599.	0.9	8
45	Manipulating local heat accumulation towards controlled quality and microstructure of a Co-Cr-Mo alloy in powder bed fusion with electron beam. <i>Materials Letters</i> , 2019, 254, 269-272.	1.3	6
46	Corrosion-resistant carbide-reinforced martensitic steel by Cu modification. <i>Npj Materials Degradation</i> , 2019, 3, .	2.6	6
47	Microstructural control of alloy 718 fabricated by electron beam melting with expanded processing window by adaptive offset method. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 764, 138058.	2.6	24
48	Effect of Al content and cold rolling on the microstructure and mechanical properties of Al ₅ Cr ₁₂ Fe ₃₅ Mn ₂₈ Ni ₂₀ high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 759, 380-390.	2.6	39
49	Comprehensive study on mechanisms for grain morphology evolution and texture development in powder bed fusion with electron beam of Co-Cr-Mo alloy. <i>Materialia</i> , 2019, 6, 100346.	1.3	23
50	The influence of temperature during water-quench rapid heat treatment on the microstructure, mechanical properties and biocompatibility of Ti-6Al-4V ELI alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 96, 144-151.	1.5	18
51	Abnormal grain growth in commercially pure titanium during additive manufacturing with electron beam melting. <i>Materialia</i> , 2019, 6, 100281.	1.3	37
52	Low Springback and Low Young's Modulus in Ti-29Nb-13Ta-4.6Zr Alloy Modified by Mo Addition. <i>Materials Transactions</i> , 2019, 60, 1755-1762.	0.4	5
53	Effect of multipass thermomechanical processing on the corrosion behaviour of biomedical Co-Cr-Mo alloys. <i>Corrosion Science</i> , 2019, 148, 178-187.	3.0	27
54	Mechanical and corrosion properties of CoCrFeNiTi-based high-entropy alloy additive manufactured using selective laser melting. <i>Additive Manufacturing</i> , 2019, 25, 412-420.	1.7	54

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55	Tuning strain-induced β -to- α martensitic transformation of biomedical Co-Cr-Mo alloys by introducing parent phase lattice defects. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 90, 523-529.	1.5	25
56	A Constitutive Model and Processing Maps Describing the High-Temperature Deformation Behavior of Ti-17 Alloy in the β -Phase Field. <i>Advanced Engineering Materials</i> , 2019, 21, 1800775.	1.6	21
57	Molten pool behavior and effect of fluid flow on solidification conditions in selective electron beam melting (SEBM) of a biomedical Co-Cr-Mo alloy. <i>Additive Manufacturing</i> , 2019, 26, 202-214.	1.7	69
58	Significant impact of yttrium microaddition on high temperature tensile properties of Inconel 713C superalloy. <i>Materials Letters</i> , 2018, 227, 40-43.	1.3	12
59	Effect of nitrogen on the microstructure and mechanical properties of Co-33Cr-9W alloys prepared by dental casting. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 77, 693-700.	1.5	10
60	Strain-Induced Martensitic Transformation and Texture Evolution in Cold-Rolled Co-Cr Alloys. <i>Quantum Beam Science</i> , 2018, 2, 11.	0.6	11
61	Impact of minor alloying with C and Si on the precipitation behavior and mechanical properties of N-doped Co-Cr alloy dental castings. <i>Materials Science and Engineering C</i> , 2018, 92, 112-120.	3.8	10
62	Mechanical and corrosion properties of AlCoCrFeNi high-entropy alloy fabricated with selective electron beam melting. <i>Additive Manufacturing</i> , 2018, 23, 264-271.	1.7	69
63	Electron beam additive manufacturing of Inconel 718 alloy rods: Impact of build direction on microstructure and high-temperature tensile properties. <i>Additive Manufacturing</i> , 2018, 23, 457-470.	1.7	60
64	Current status of Metal Additive Manufacturing and Microstructure Control of Metal Parts in Powder Bed Fusion. <i>Journal of Smart Processing</i> , 2018, 7, 216-222.	0.0	3
65	Continuous Measurements of Recrystallization and Grain Growth in Cobalt Super Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 2363-2374.	1.1	17
66	Study of microstructure evolution and properties of Cu-Fe microcomposites produced by a pre-alloyed powder method. <i>Materials and Design</i> , 2017, 126, 64-72.	3.3	39
67	Stacking-fault strengthening of biomedical Co-Cr-Mo alloy via multipass thermomechanical processing. <i>Scientific Reports</i> , 2017, 7, 10808.	1.6	49
68	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. <i>Materials Letters</i> , 2017, 189, 148-151.	1.3	130
69	Effects of post-processing on cyclic fatigue response of a titanium alloy additively manufactured by electron beam melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 680, 239-248.	2.6	91
70	Forging property, processing map, and mesoscale microstructural evolution modeling of a Ti-17 alloy with a lamellar (β) starting microstructure. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 893-904.	2.8	31
71	Characterization of powder bed generation in electron beam additive manufacturing by discrete element method (DEM). <i>Materials Today: Proceedings</i> , 2017, 4, 11437-11440.	0.9	19
72	Guide to Development of Innovative Joining Technology. <i>Yosetsu Gakkai Shi/Journal of the Japan Welding Society</i> , 2017, 86, 570-578.	0.0	0

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73	Line-Profile Analysis Combined with Texture Analysis for Characterizing Dislocation Distribution in Texture Components of Cold-Rolled Copper Sheets. <i>High Temperature Materials and Processes</i> , 2016, 35, 705-713.	0.6	4
74	Investigation on hot deformation behavior of nanoscale TiC-strengthened Cu alloys fabricated by mechanical milling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 668, 1-12.	2.6	17
75	Precipitation behavior of a novel cobalt-based superalloy subjected to prior plastic deformations. <i>Materials and Design</i> , 2016, 112, 1-10.	3.3	24
76	Development of microstructure and mechanical properties during annealing of a cold-swaged Co-Cr-Mo alloy rod. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 64, 187-198.	1.5	10
77	Effect of Building Position on Phase Distribution in Co-Cr-Mo Alloy Additive Manufactured by EBM. Funtai Oyobi Fummtsu Yakini/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 10-16.	0.1	4
78	Effect of Building Position on Phase Distribution in Co-Cr-Mo Alloy Additive Manufactured by Electron-Beam Melting. <i>Materials Transactions</i> , 2016, 57, 2041-2047.	0.4	18
79	Submicron lamellar porous structure formed by selective dissolution of Ti-Al alloy. <i>Materials and Design</i> , 2016, 98, 1-11.	3.3	25
80	Modeling dynamic recrystallization of L-605 cobalt superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 653, 84-92.	2.6	15
81	Developing high strength and ductility in biomedical Co-Cr cast alloys by simultaneous doping with nitrogen and carbon. <i>Acta Biomaterialia</i> , 2016, 31, 435-447.	4.1	29
82	Uneven damage on head and liner contact surfaces of a retrieved Co-Cr-based metal-on-metal hip joint bearing: An important reason for the high failure rate. <i>Materials Science and Engineering C</i> , 2016, 62, 532-543.	3.8	14
83	Characterisation of nanoscale carbide precipitation in as-cast Co-Cr-W-based dental alloys. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1778-1786.	2.9	9
84	Preventing high-temperature oxidation of Co-Cr-based dental alloys by boron doping. <i>Journal of Materials Chemistry B</i> , 2016, 4, 309-317.	2.9	9
85	Manufacturing of high-strength Ni-free Co-Cr-Mo alloy rods via cold swaging. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 60, 38-47.	1.5	18
86	Relationship between the microstructure and mechanical properties of an equiatomic AlCoCrFeNi high-entropy alloy fabricated by selective electron beam melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 656, 39-46.	2.6	144
87	Cold-rolling behavior of biomedical Ni-free Co-Cr-Mo alloys: Role of strain-induced μ martensite and its intersecting phenomena. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 55, 201-214.	1.5	23
88	In-situ fabrication and characterization of ultrafine structured Cu-TiC composites with high strength and high conductivity by mechanical milling. <i>Journal of Alloys and Compounds</i> , 2016, 657, 122-132.	2.8	95
89	Superthermostability of nanoscale TiC-reinforced copper alloys manufactured by a two-step ball-milling process. <i>Philosophical Magazine</i> , 2015, 95, 4035-4053.	0.7	17
90	Strengthening of biomedical Ni-free Co-Cr-Mo alloy by multipass low-strain-per-pass thermomechanical processing. <i>Acta Biomaterialia</i> , 2015, 28, 215-224.	4.1	23

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91	Analysis of the Fracture Mechanism of Ti-6Al-4V Alloy Rods That Failed Clinically After Spinal Instrumentation Surgery. <i>Spine</i> , 2015, 40, E767-E773.	1.0	36
92	First demonstration of promising selective electron beam melting method for utilizing high-entropy alloys as engineering materials. <i>Materials Letters</i> , 2015, 159, 12-15.	1.3	133
93	Effect of carbon on the microstructure, mechanical properties and metal ion release of Ni-free Co-Cr-Mo alloys containing nitrogen. <i>Materials Science and Engineering C</i> , 2015, 55, 145-154.	3.8	23
94	Texture evolution and mechanical anisotropy of biomedical hot-rolled Co-Cr-Mo alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 51, 205-214.	1.5	7
95	Assessment of precipitation behavior in dental castings of a Co-Cr-Mo alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 50, 268-276.	1.5	32
96	Surface characterisation of Ni-free Co-Cr-W-based dental alloys exposed to high temperatures and the effects of adding silicon. <i>Corrosion Science</i> , 2015, 94, 411-419.	3.0	26
97	Effects of Carbon Addition on Mechanical Properties and Microstructures of Ni-Free Co-Cr-W-Based Dental Alloys. , 2015, , 225-236.		1
98	Preparation of weak-textured commercially pure titanium by electron beam melting. <i>Additive Manufacturing</i> , 2015, 8, 105-109.	1.7	41
99	Regulating the coarsening of the γ phase in superalloys. <i>NPG Asia Materials</i> , 2015, 7, e212-e212.	3.8	52
100	Effects of microstructures on the sliding behavior of hot-pressed CoCrMo alloys. <i>Wear</i> , 2014, 319, 200-210.	1.5	29
101	Phase decomposition in biomedical Co-29Cr-6Mo-0.2N alloy during isothermal heat treatment at 1073K. <i>Journal of Alloys and Compounds</i> , 2014, 590, 411-416.	2.8	30
102	Dynamic recrystallization of a biomedical Co-Cr-W-based alloy under hot deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 592, 173-181.	2.6	40
103	Effects of carbon concentration on microstructure and mechanical properties of as-cast nickel-free Co-28Cr-9W-based dental alloys. <i>Materials Science and Engineering C</i> , 2014, 40, 127-134.	3.8	36
104	Effects of nitrogen addition on microstructure and mechanical behavior of biomedical Co-Cr-Mo alloys. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 29, 417-426.	1.5	73
105	Local strain evolution due to athermal $\gamma \rightarrow \beta$ martensitic transformation in biomedical Co Cr Mo alloys. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 32, 52-61.	1.5	57
106	Development of new Co-Cr-W-based biomedical alloys: Effects of microalloying and thermomechanical processing on microstructures and mechanical properties. <i>Materials & Design</i> , 2014, 55, 987-998.	5.1	72
107	Influence of two-step ball-milling condition on electrical and mechanical properties of TiC-dispersion-strengthened Cu alloys. <i>Materials & Design</i> , 2014, 64, 441-449.	5.1	48
108	Role of strain-induced martensitic transformation on extrusion and intrusion formation during fatigue deformation of biomedical Co-Cr-Mo-N alloys. <i>Acta Materialia</i> , 2014, 81, 377-385.	3.8	35

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109	Effects of sigma phase and carbide on the wear behavior of CoCrMo alloys in Hanks' solution. <i>Wear</i> , 2014, 310, 51-62.	1.5	69
110	Refinement of solidification microstructures by carbon addition in biomedical Co-28Cr-9W-1Si alloys. <i>Materials Letters</i> , 2014, 116, 82-85.	1.3	25
111	Effects of nitrogen on microstructural evolution of biomedical Co-Cr-W alloys during hot deformation and subsequent cooling. <i>Materials & Design</i> , 2014, 57, 421-425.	5.1	18
112	Effect of cold rolling on phase decomposition in biomedical Co-29Cr-6Mo-0.2N alloy during isothermal heat treatment at 1073 K. <i>Journal of Alloys and Compounds</i> , 2014, 612, 273-279.	2.8	18
113	Influence of carbon addition on mechanical properties and microstructures of Ni-free Co-Cr-W alloys subjected to thermomechanical processing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 37, 274-285.	1.5	29
114	Nanoarchitected Co-Cr-Mo orthopedic implant alloys: Nitrogen-enhanced nanostructural evolution and its effect on phase stability. <i>Acta Biomaterialia</i> , 2013, 9, 6259-6267.	4.1	86
115	Strain-induced martensitic transformation near twin boundaries in a biomedical Co-Cr-Mo alloy with negative stacking fault energy. <i>Acta Materialia</i> , 2013, 61, 1648-1661.	3.8	140
116	Dynamic Strain Aging in Biomedical Co-Cr-Mo-Based Alloys with Nitrogen Doping. <i>Key Engineering Materials</i> , 2012, 508, 141-145.	0.4	1
117	Nitrogen-induced dynamic strain aging in a biomedical-grade Co-Cr-Mo alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 552, 69-75.	2.6	10
118	Enhanced Mechanical Properties of As-Forged Co-Cr-Mo-N Alloys with Ultrafine-Grained Structures. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 5243-5257.	1.1	58
119	Origin of Significant Grain Refinement in Co-Cr-Mo Alloys Without Severe Plastic Deformation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 4875-4887.	1.1	48
120	Microstructures and Mechanical Properties of Biomedical Co-29Cr-6Mo-0.14N Alloys Processed by Hot Rolling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3108-3119.	1.1	35
121	Mechanical properties of as-forged Ni-free Co-29Cr-6Mo alloys with ultrafine-grained microstructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5961-5966.	2.6	71
122	Evolution of cold-rolled microstructures of biomedical Co-Cr-Mo alloys with and without N doping. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 528, 614-621.	2.6	73
123	Compensation for Friction and Temperature Increase Due to Adiabatic Heating during Hot Compression Testing and Construction of "Processing Map" of Biomedical Co-29Cr-6Mo-0.16N Alloy. <i>Journal of the Japan Society for Technology of Plasticity</i> , 2010, 51, 221-226.	0.0	3
124	Ultrafine Grain Refinement of Biomedical Co-29Cr-6Mo Alloy during Conventional Hot-Compression Deformation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 1980-1994.	1.1	111
125	Solidification behavior of falling germanium droplets produced by pulsed orifice ejection method. <i>Journal of Crystal Growth</i> , 2008, 310, 2915-2922.	0.7	21
126	Nitrogen-Enhanced Nanostructural Evolution and its Effect on Phase Stability in Biomedical Co-Cr-Mo Alloys. <i>Advanced Materials Research</i> , 0, 922, 826-831.	0.3	0

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127	Non-Equilibrium Solidification Behavior With Solute Trapping Associated With Powder Characteristics During Electron Beam Additive Manufacturing. SSRN Electronic Journal, 0, , .	0.4	1
128	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
129	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
130	Preparation of High-Strength Co-Cr-Mo Alloy Rods Via Hot-Caliber Rolling. SSRN Electronic Journal, 0, , .	0.4	0