Manami Mori

List of Publications by Year
in descending order

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41	1,337	304743	345221
papers	citations	22 h-index	36 g-index

42	42	42	772
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	2.1	1
2	Demonstrating a duplex TRIP/TWIP titanium alloy via the introduction of metastable retained Î²-phase. Materials Research Letters, 2022, 10, 754-761.	8.7	5
3	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.	3.1	1
4	Quantifying the dislocation structures of additively manufactured Tiâ€“6Alâ€“4V alloys using X-ray diffraction line profile analysis. Additive Manufacturing, 2021, 37, 101678.	3.0	8
5	Preparation of high-strength Coâ^'Crâ^'Mo alloy rods via hot-caliber rolling. Materialia, 2020, 12, 100729.	2.7	9
6	Abnormal grain growth in commercially pure titanium during additive manufacturing with electron beam melting. Materialia, 2019, 6, 100281.	2.7	37
7	Effect of multipass thermomechanical processing on the corrosion behaviour of biomedical Coâ€“Crâ€“Mo alloys. Corrosion Science, 2019, 148, 178-187.	6.6	27
8	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.	3.1	25
9	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.	3.1	10
10	Strain-Induced Martensitic Transformation and Texture Evolution in Cold-Rolled Coâ€“Cr Alloys. Quantum Beam Science, 2018, 2, 11.	1.2	11
11	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.	7.3	10
12	Stacking-fault strengthening of biomedical Coâ€“Crâ€“Mo alloy via multipass thermomechanical processing. Scientific Reports, 2017, 7, 10808.	3.3	49
13	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.	5.6	91
14	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.	3.1	10
15	Developing high strength and ductility in biomedical Coâ€“Cr cast alloys by simultaneous doping with nitrogen and carbon. Acta Biomaterialia, 2016, 31, 435-447.	8.3	29
16	Characterisation of nanoscale carbide precipitation in as-cast Coâ€“Crâ€“W-based dental alloys. Journal of Materials Chemistry B, 2016, 4, 1778-1786.	5.8	9
17	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.	3.1	18
18	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.	3.1	23

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19	Strengthening of biomedical Ni-free Coâ€“Crâ€“Mo alloy by multipass â€œlow-strain-per-passâ€• thermomechanical processing. Acta Biomaterialia, 2015, 28, 215-224.	8.3	23
20	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.	7.3	23
21	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.	3.1	7
22	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.	3.1	32
23	Preparation of weak-textured commercially pure titanium by electron beam melting. Additive Manufacturing, 2015, 8, 105-109.	3.0	41
24	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.	5.6	40
25	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.	7.3	36
26	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.	3.1	73
27	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.	3.1	57
28	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
29	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
30	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.	5.5	18
31	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.	3.1	29
32	Nanoarchitectured Coâ€“Crâ€“Mo orthopedic implant alloys: Nitrogen-enhanced nanostructural evolution and its effect on phase stability. Acta Biomaterialia, 2013, 9, 6259-6267.	8.3	86
33	Dynamic Strain Aging in Biomedical Coâ€“Crâ€“Mo-Based Alloys with Nitrogen Doping. Key Engineering Materials, 2012, 508, 141-145.	0.4	1
34	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.	5.6	10
35	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.	2.2	58
36	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.	2.2	48

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37	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.	2.2	35
38	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.	5.6	71
39	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.	5.6	73
40	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.	2.2	111
41	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