

Kosuke Kuwabara

List of Publications by Year in descending order

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31
papers

842
citations

686830

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docs citations

31
times ranked

711
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. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 656, 39-46.	2.6	144
2	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
3	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
4	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
5	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
6	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
7	Cell Culture on Nanopillar Sheet: Study of HeLa Cells on Nanopillar Sheet. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L1184-L1186.	0.8	53
8	Nanopillar sheets as a new type of cell culture dish: detailed study of HeLa cells cultured on nanopillar sheets. <i>Journal of Artificial Organs</i> , 2006, 9, 90-96.	0.4	40
9	Fluorescence measurements of nanopillars fabricated by high-aspect-ratio nanoprint technology. <i>Microelectronic Engineering</i> , 2004, 73-74, 752-756.	1.1	24
10	Enhancement of fluorescence intensity from an immunoassay chip using high-aspect-ratio nanopillars fabricated by nanoimprinting. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	23
11	Crystal Structure and Thermoelectric Properties of $\text{ReSi}_{1.75}$ Based Silicides. <i>Materials Science Forum</i> , 2003, 426-432, 1777-1782.	0.3	15
12	Influences of Process Parameters on the Microstructure and Mechanical Properties of CoCrFeNiTi Based High-Entropy Alloy in a Laser Powder Bed Fusion Process. <i>Crystals</i> , 2021, 11, 549.	1.0	15
13	Microstructure and electrical properties of thin films of $\text{ReSi}_{1.75}$ produced by co-sputtering. <i>Intermetallics</i> , 2002, 10, 129-138.	1.8	14
14	Critical factor triggering grain boundary cracking in non-weldable superalloy Alloy713ELC fabricated with selective electron beam melting. <i>Acta Materialia</i> , 2021, 208, 116695.	3.8	14
15	Process optimization and mechanical property investigation of non-weldable superalloy Alloy713ELC manufactured with selective electron beam melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 787, 139485.	2.6	11
16	Crystal structure refinement of $\text{ReSi}_{1.75}$ with an ordered arrangement of silicon vacancies. <i>Philosophical Magazine</i> , 2011, 91, 3108-3127.	0.7	10
17	In-situ observation of microstructurally small fatigue crack initiation and growth behaviors of additively-manufactured alloy 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 835, 142682.	2.6	10
18	High-aspect-ratio nanopillar structures fabricated by nanoimprinting with elongation phenomenon. <i>Journal of Vacuum Science & Technology B</i> , 2008, 26, 582-584.	1.3	9

