

Kosuke Kuwabara

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural Transformation and Corrosion Property Improvement of CoCrFeNiTi-Based Multi-Principal Element Alloys Fabricated via Laser Powder Bed Fusion. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	3
2	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
3	Micro-mechanical characterisation of slip behaviour and precipitation strengthening in CoCrFeNiTiMo alloy additively manufactured by laser powder bed fusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 840, 142970.	2.6	3
4	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
5	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
6	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
7	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
8	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
9	Additive Manufacturing of High Entropy Alloys. <i>Materia Japan</i> , 2018, 57, 328-332.	0.1	1
10	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
11	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
12	Chromium-Based Duplex Alloy for Wear and Corrosion Resistant Cladding. <i>Materials Transactions</i> , 2017, 58, 619-622.	0.4	1
13	Large-area nanoimprint and application to cell cultivation. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	9
14	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
15	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
16	Electric Conductivity of Nanoparticle Composites Coated with Oxidized Aminothiophenol and Adhered on Resin Plates. <i>Chemistry Letters</i> , 2014, 43, 661-663.	0.7	0
17	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
18	Degradation behavior of release layers for nanoimprint lithography formed on atomically flat Si(111) terraces. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, 968-972.	0.6	0

#	ARTICLE	IF	CITATIONS
19	Resin Elongation Phenomenon of Polystyrene Nanopillars in Nanoimprint Lithography. Japanese Journal of Applied Physics, 2010, 49, 106505.	0.8	0
20	High-aspect-ratio nanopillar structures fabricated by nanoimprinting with elongation phenomenon. Journal of Vacuum Science & Technology B, 2008, 26, 582-584.	1.3	9
21	Enhancement of fluorescence intensity from an immunoassay chip using high-aspect-ratio nanopillars fabricated by nanoimprinting. Applied Physics Letters, 2008, 93, .	1.5	23
22	Nanopillar sheets as a new type of cell culture dish: detailed study of HeLa cells cultured on nanopillar sheets. Journal of Artificial Organs, 2006, 9, 90-96.	0.4	40
23	Developments of nanoimprint technologies and applications. , 2005, , .		2
24	Cell Culture on Nanopillar Sheet: Study of HeLa Cells on Nanopillar Sheet. Japanese Journal of Applied Physics, 2005, 44, L1184-L1186.	0.8	53
25	Fluorescence measurements of nanopillars fabricated by high-aspect-ratio nanoprint technology. Microelectronic Engineering, 2004, 73-74, 752-756.	1.1	24
26	Nanoimprint Technology. Journal of Japan Institute of Electronics Packaging, 2004, 7, 497-500.	0.0	0
27	MEMS. Journal of the Japan Society for Precision Engi		
28	Crystal Structure and Thermoelectric Properties of ReSi _{1.75} Based Silicides. Materials Science Forum, 2003, 426-432, 1777-1782.	0.3	15
29	Effects of alloying elements on thermoelectric properties of ReSi _{1.75} . Materials Research Society Symposia Proceedings, 2003, 793, 419.	0.1	0
30	Microstructure and electrical properties of thin films of ReSi _{1.75} produced by co-sputtering. Intermetallics, 2002, 10, 129-138.	1.8	14
31	In Situ Stress Measurements during Welding Process. Materials Science Forum, 0, 905, 137-142.	0.3	0