

Aichi Yamashita

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Three-dimensional Atomic Image of FeSe High-temperature Superconductor by X-ray Fluorescence Holography. E-Journal of Surface Science and Nanotechnology, 2022, 20, 36-41.	0.4	0
2	Improvement of critical current density of $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$ by increase in configurational entropy of mixing. Royal Society Open Science, 2022, 9, 211874.	2.4	6
3	Fabrication of high-entropy $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films by pulsed laser deposition. Japanese Journal of Applied Physics, 2022, 61, 050905.	1.5	8
4	Estimation of the Gr $\frac{1}{4}$ neisen Parameter of High-Entropy Alloy-Type Functional Materials: The Cases of $\text{REO}_0.7\text{F}_0.3\text{BiS}_2$ and MTe . Condensed Matter, 2022, 7, 34.	1.8	0
5	Robustness of superconductivity to external pressure in high-entropy-alloy-type metal telluride AgInSnPbBiTe_5 . Scientific Reports, 2022, 12, 7789.	3.3	9
6	Lattice Anharmonicity in BiS_2 -Based Layered Superconductor $\text{RE}(\text{O},\text{F})\text{BiS}_2$ ($\text{RE} = \text{Tj, ET, Qq, 0, 0, rg, BT, 2}$) / Overlock	1.6	2
7	Possible pairing mechanism switching driven by structural symmetry breaking in BiS_2 -based layered superconductors. Scientific Reports, 2021, 11, 230.	3.3	9
8	Synthesis of high-entropy-alloy-type superconductors $(\text{Fe}, \text{Co}, \text{Ni}, \text{Rh}, \text{Ir})\text{Zr}_2$ with tunable transition temperature. Journal of Materials Science, 2021, 56, 9499-9505.	3.7	19
9	n-Type thermoelectric metal chalcogenide $(\text{Ag}, \text{Pb}, \text{Bi})(\text{S}, \text{Se}, \text{Te})$ designed by multi-site-type high-entropy alloying. Materials Research Letters, 2021, 9, 366-372.	8.7	13
10	High-pressure effects on superconducting properties and crystal structure of Bi-based layered superconductor $\text{La}_2\text{O}_2\text{Bi}_3\text{Ag}_0.6\text{Sn}_0.4\text{S}_6$. Journal of Physics Condensed Matter, 2021, 33, 225702.	1.8	3
11	Synthesis of new high-entropy alloy-type Nb_3 (Al, Sn, Ge, Ga, Si) superconductors. Journal of Alloys and Compounds, 2021, 868, 159233.	5.5	21
12	Superconductivity in In-doped AgSnBiTe_3 with possible band inversion. Scientific Reports, 2021, 11, 22885.	3.3	4
13	Evolution of two bulk-superconducting phases in $\text{Sr}_{0.5}\text{RE}_{0.5}\text{BiS}_2$ ($\text{RE} = \text{La}, \text{Ce}, \text{Pr}, \text{Nd}, \text{Sm}$) by external hydrostatic pressure effect. Scientific Reports, 2020, 10, 12880.	3.3	4
14	An efficient way of increasing the total entropy of mixing in high-entropy-alloy compounds: a case of NaCl-type $(\text{Ag}, \text{In}, \text{Pb}, \text{Bi})\text{Te}_{1-x}\text{Se}_x$ ($x = 0.0, 0.25, 0.5$) superconductors. Dalton Transactions, 2020, 49, 9118-9122.	3.3	30
15	Superconducting properties of high-entropy-alloy tellurides MTe ($\text{M} = \text{Ag}, \text{In}, \text{Cd}, \text{Sn}, \text{Sb}, \text{Pb}, \text{Bi}$) with a NaCl-type structure. Applied Physics Express, 2020, 13, 033001.	2.4	26
16	Synthesis of RE_{123} high- T_c superconductors with a high-entropy-alloy-type RE site. Physica C: Superconductivity and Its Applications, 2020, 572, 1353623.	1.2	37
17	Superconductivity in HEA-Type Compounds. , 0, , .		11
18	Anomalous broadening of specific heat jump at T_c in high-entropy-alloy-type superconductor TrZr_2 . Superconductor Science and Technology, 0, , .	3.5	12