

# Kazuhisa Hoshi

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Selenium isotope effect in the layered bismuth chalcogenide superconductor $\text{LaO}_{0.6}\text{F}_{0.4}\text{Bi}(\text{S},\text{Se})_2$ . <i>Physical Review B</i> , 2018, 97, .	3.2	32
2	Superconducting properties of high-entropy-alloy tellurides $\text{M}-\text{Te}$ (M: Ag, In, Cd, Sn, Sb, Pb, Bi) with a NaCl-type structure. <i>Applied Physics Express</i> , 2020, 13, 033001.	2.4	26
3	Thermoelectric Properties of the As/P-Based Zintl Compounds $\text{EuIn}_2\text{As}_2\text{P}$ ( $x = 0$ ) and $\text{SrSn}_2\text{As}_2$ . <i>ACS Applied Energy Materials</i> , 2021, 4, 5155-5164.	5.1	16
4	Two-Fold-Symmetric Magnetoresistance in Single Crystals of Tetragonal $\text{BiCh}_2$ -Based Superconductor $\text{LaO}_{0.5}\text{F}_{0.5}\text{BiSSe}$ . <i>Journal of the Physical Society of Japan</i> , 2019, 88, 033704.	1.6	15
5	High-Pressure Synthesis and Superconducting Properties of NaCl-Type $\text{In}_{1-x}\text{PbxTe}$ ( $x = 0$ ). <i>Condensed Matter</i> , 2020, 5, 14.	1.8	12
6	Doping-Induced Polymorph and Carrier Polarity Changes in Thermoelectric $\text{Ag}(\text{Bi},\text{Sb})\text{Se}_2$ Solid Solution. <i>Inorganic Chemistry</i> , 2019, 58, 7628-7633.	4.0	11
7	Two-fold symmetry of in-plane magnetoresistance anisotropy in the superconducting states of $\text{BiCh}_2$ -based $\text{LaO}_{0.9}\text{F}_{0.1}\text{BiSSe}$ single crystal. <i>Journal of Physics Communications</i> , 2020, 4, 095028.	1.2	11
8	Extremely high upper critical field in $\text{BiCh}_2$ -based (Ch: S and Se) layered superconductor $\text{LaO}_{0.5}\text{F}_{0.5}\text{BiS}_{2-x}\text{Sex}$ ( $x = 0.22$ and $0.69$ ). <i>Scientific Reports</i> , 2022, 12, 288.	3.3	10
9	Possible pairing mechanism switching driven by structural symmetry breaking in $\text{BiS}_2$ -based layered superconductors. <i>Scientific Reports</i> , 2021, 11, 230.	3.3	9
10	Structural Phase Diagram of $\text{LaO}_{1-x}\text{FxBiSSe}$ : Suppression of the Structural Phase Transition by Partial F Substitutions. <i>Condensed Matter</i> , 2020, 5, 81.	1.8	8
11	Experimental overview on pairing mechanisms of $\text{BiCh}_2$ -based (Ch: S, Se) layered superconductors. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 473001.	1.8	7
12	Bipolar doping and thermoelectric properties of Zintl arsenide $\text{Eu}_5\text{In}_2\text{As}_6$ . <i>Journal of Materials Chemistry A</i> , 2021, 9, 26362-26370.	10.3	6
13	Superconductivity in In-doped $\text{AgSnBiTe}_3$ with possible band inversion. <i>Scientific Reports</i> , 2021, 11, 22885.	3.3	4
14	Bulk Superconductivity Induced by Se Substitution in Self-Doped $\text{BiCh}_2$ -Based Compound $\text{CeOBiS}_{2-x}\text{Sex}$ . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 064702.	1.6	3
15	Investigation of Superconducting Properties and Possible Nematic Superconductivity in Self-Doped $\text{BiCh}_2$ -Based Superconductor $\text{CeOBiS}_{1.7}\text{Se}_{0.3}$ . <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000546.	2.4	3
16	Lattice Anharmonicity in $\text{BiS}_2$ -Based Layered Superconductor $\text{RE}(\text{O},\text{F})\text{BiS}_2$ (RE = Tj, ET, Q, O, O, rg, BT, /Overlock	1.6	2
17	Investigation of in-plane anisotropy of c-axis magnetoresistance for $\text{BiCh}_2$ -based layered superconductor $\text{NdO}_{0.7}\text{F}_{0.3}\text{BiS}_2$ . <i>Japanese Journal of Applied Physics</i> , 2021, 60, 020907.	1.5	1