

# Katsuya Shimizu

## List of Publications by Year in descending order

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141  
papers

3,990  
citations

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all docs

146  
docs citations

146  
times ranked

3141  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Room Temperature Superconductivity: Exploration and Prospects by Material Science at Extreme Conditions. Journal of the Institute of Electrical Engineers of Japan, 2022, 142, 89-92.  | 0.0  | 0         |
| 2  | Insulator-metal transition and crossover from negative to positive magnetoresistance in $\text{CuMn}_2\text{P}$ under high pressure. Physical Review B, 2022, 105, .   | 3.2  | 1         |
| 3  | Persistent Spin-Orbit Mott Insulating State in Highly Compressed Post-Perovskite $\text{CaIrO}_3$ . Journal of the Physical Society of Japan, 2022, 91, .  | 1.6  | 0         |
| 4  | Mixed-valence state and structure changes of $\text{EuH}(\text{x}\hat{=}^{\hat{=}}2$ and $2\hat{=}^{\hat{=}}\text{x}\hat{=}^{\hat{=}}3$ ) under high-pressure $\text{H}_2$ atmosphere, Journal of Alloys and Compounds, 2021, 865, 158637. | 5.5  | 2         |
| 5  | Conical support for double-stage diamond anvil apparatus. High Pressure Research, 2020, 40, 12-21.   | 1.2  | 6         |
| 6  | Surface structure on diamond foils generated by spatially nonuniform laser irradiation. Scientific Reports, 2020, 10, 9017.  | 3.3  | 1         |
| 7  | Antiferromagnetism and Valence Fluctuation of $\text{EuCd}_{11}$ at High Pressure. , 2020, , .   |      | 0         |
| 8  | Investigation of Superconductivity in Hydrogen-rich Systems. Journal of the Physical Society of Japan, 2020, 89, 051005.   | 1.6  | 8         |
| 9  | Superconductivity of lanthanum hydride synthesized using $\text{AlH}_3$ as a hydrogen source. Superconductor Science and Technology, 2020, 33, 114004.   | 3.5  | 11        |
| 10 | Electrical transport measurements for superconducting sulfur hydrides using boron-doped diamond electrodes on beveled diamond anvil. Superconductor Science and Technology, 2020, 33, 124005.  | 3.5  | 7         |
| 11 | Beryllium polyhydride $\text{BeH}_8$ synthesized at high pressure and temperature. Physical Review Materials, 2020, 4, .   | 1.1  | 1         |
| 12 | Hydrogen-Storing Salt $\text{NaCl}(\text{H}_2)_2$ Synthesized at High Pressure and High Temperature. Journal of Physical Chemistry C, 2019, 123, 25074-25080.  | 3.1  | 1         |
| 13 | Materials informatics based on evolutionary algorithms: Application to search for superconducting hydrogen compounds. Physical Review B, 2019, 100, .  | 3.2  | 39        |
| 14 | Superconductivity of the hydrogen-rich metal hydride $\text{LMo}_5\text{H}_{11}$ under high pressure. Physical Review B, 2019, 99, .   | 3.2  | 39        |
| 15 | Superconducting phase diagram of $\text{H}_3\text{S}$ under high magnetic fields. Nature Communications, 2019, 10, 2522.   | 12.8 | 62        |
| 16 | Superconductivity of platinum hydride. Physical Review B, 2019, 99, .  | 3.2  | 23        |
| 17 | Superconductivity of Pure $\text{H}_3\text{S}$ Synthesized from Elemental Sulfur and Hydrogen. Journal of the Physical Society of Japan, 2019, 88, 123701.   | 1.6  | 33        |
| 18 | Searching for Superconducting Hydrides "The Experimental Achievements". Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2018, 28, 268-280.  | 0.0  | 1         |

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|----|--|------|-----------|
| 19 | First-Principles Study on Superconductivity of P- and Cl-Doped H <sub>3</sub> S. Journal of the Physical Society of Japan, 2018, 87, 124711.   | 1.6  | 25        |
| 20 | Recent Progress on High-Temperature Superconducting Sulfur Hydride. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2018, 28, 251-259.  | 0.0  | 0         |
| 21 | Superconductivity and structural studies of highly compressed hydrogen sulfide. Physica C: Superconductivity and Its Applications, 2018, 552, 27-29.   | 1.2  | 10        |
| 22 | Superconducting elements under high pressure. Physica C: Superconductivity and Its Applications, 2018, 552, 30-33.   | 1.2  | 11        |
| 23 | Two-year progress in experimental investigation on high-temperature superconductivity of sulfur hydride. Japanese Journal of Applied Physics, 2017, 56, 05FA13.  | 1.5  | 14        |
| 24 | Lithium polyhydrides synthesized under high pressure and high temperature. Journal of Raman Spectroscopy, 2017, 48, 1222-1228.   | 2.5  | 7         |
| 25 | Preparation and characterization of a new graphite superconductor: Ca <sub>0.5</sub> Sr <sub>0.5</sub> C <sub>6</sub> . Scientific Reports, 2017, 7, 7436.   | 3.3  | 5         |
| 26 | Phase Stability and Superconductivity of Compressed Argon-Hydrogen Compounds from First-Principles. Journal of the Physical Society of Japan, 2017, 86, 124711.  | 1.6  | 6         |
| 27 | Structural phase transition of potassium under high-pressure and low-temperature condition. Journal of Physics: Conference Series, 2017, 950, 042020.  | 0.4  | 2         |
| 28 | Electronic Properties of Elements at Mbar Pressure and Low Temperature. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2017, 27, 144-148.  | 0.0  | 0         |
| 29 | Origin of Pressure-induced Superconducting Phase in K <sub>x</sub> Fe <sub>2-y</sub> Se <sub>2</sub> studied by Synchrotron X-ray Diffraction and Spectroscopy. Scientific Reports, 2016, 6, 30946.                      | 3.3  | 16        |
| 30 | Crystal structure of the superconducting phase of sulfur hydride. Nature Physics, 2016, 12, 835-838.   | 16.7 | 392       |
| 31 | Chemical Trend of Superconducting Critical Temperatures in Hole-Doped CuBO <sub>2</sub> , CuAlO <sub>2</sub> , CuGaO <sub>2</sub> , and CuInO <sub>2</sub> . Journal of the Physical Society of Japan, 2016, 85, 094711. | 1.6  | 7         |
| 32 | Pressure-induced polyamorphism in a main-group metallic glass. Physical Review B, 2016, 94, .  | 3.2  | 14        |
| 33 | Superconducting H <sub>5</sub> S <sub>2</sub> phase in sulfur-hydrogen system under high-pressure. Scientific Reports, 2016, 6, 23160.   | 3.3  | 56        |
| 34 | Experimental determination of the electrical resistivity of iron at Earth's core conditions. Nature, 2016, 534, 95-98.   | 27.8 | 209       |
| 35 | Fabrication of new superconducting materials, C <sub>x</sub> K <sub>1-x</sub> Cy (0 < x < 1). Carbon, 2016, 100, 641-646.  | 10.3 | 12        |
| 36 | Pressure-Induced Valence Transition and Heavy Fermion State in Eu <sub>2</sub> Ni <sub>3</sub> Ge <sub>5</sub> and EuRhSi <sub>3</sub> . Journal of the Physical Society of Japan, 2015, 84, 053701.                     | 1.6  | 24        |

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|----|--|-----|-----------|
| 37 | Phase boundary of hot dense fluid hydrogen. Scientific Reports, 2015, 5, 16560.  | 3.3 | 72        |
| 38 | Pressure dependence of superconductive transition temperature on $KxFe_2-ySe_2$ . Journal of Physics: Conference Series, 2015, 592, 012070.  | 0.4 | 4         |
| 39 | Electrical resistance of $SrFeO_2$ at ultra high pressure. Journal of Physics: Conference Series, 2015, 592, 012041.   | 0.4 | 2         |
| 40 | Multiferroicity in orthorhombic $RMnO_3$ (R=Dy, Tb, and Gd) under high pressure. Physical Review B, 2015, 91, .  | 3.2 | 48        |
| 41 | Superconductivity of compressed solid argon from first principles. Physical Review B, 2015, 91, .  | 3.2 | 3         |
| 42 | Review on distorted face-centered cubic phase in yttrium via genetic algorithm. High Pressure Research, 2015, 35, 37-41.   | 1.2 | 7         |
| 43 | Superconductivity from insulating elements under high pressure. Physica C: Superconductivity and Its Applications, 2015, 514, 46-49.   | 1.2 | 14        |
| 44 | Superconductivity in aromatic hydrocarbons. Physica C: Superconductivity and Its Applications, 2015, 514, 199-205.   | 1.2 | 25        |
| 45 | Superconductivity in room-temperature stable electride and high-pressure phases of alkali metals. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140450.                | 3.4 | 39        |
| 46 | Magnetic-field-induced ferroelectric polarization flop under pressure in $TbMnO_3$ . Journal of Physics: Conference Series, 2015, 592, 012118.   | 0.4 | 0         |
| 47 | Emergence of double-dome superconductivity in ammoniated metal-doped FeSe. Scientific Reports, 2015, 5, 9477.  | 3.3 | 39        |
| 48 | Simultaneous Measurements of Dielectric Properties and AC Calorimetry under High Pressure with Using Diamond Anvil Cell. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Cijutsu, 2015, 25, 298-307. | 0.0 | 0         |
| 49 | Phase with pressure-induced shuttlewise deformation in dense solid atomic hydrogen. Physical Review B, 2014, 90, .   | 3.2 | 10        |
| 50 | Collapse of $CuO$ Double Chains and Suppression of Superconductivity in High-Pressure Phase of $YBa_2Cu_4O_8$ . Journal of the Physical Society of Japan, 2014, 83, 093601.  | 1.6 | 10        |
| 51 | Metallization of solid iodine in phase I: X-ray diffraction measurements, electrical resistance measurements, and <i>ab initio</i> calculations. High Pressure Research, 2013, 33, 186-190.                                  | 1.2 | 5         |
| 52 | Pressure-induced stacking sequence variations in gold from first principles. Physical Review B, 2013, 88, .  | 3.2 | 15        |
| 53 | Pressure-induced metal-insulator transition of the mott insulator $Ba_2IrO_4$ . Journal of the Korean Physical Society, 2013, 63, 349-351.   | 0.7 | 4         |
| 54 | Strong enhancement of superconductivity in inorganic electride $12CaO \cdot 7Al_2O_3 \cdot e^-$ under high pressure. Journal of the Korean Physical Society, 2013, 63, 477-480.  | 0.7 | 15        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Pressure effects on the magnetoelectric properties of a multiferroic triangular-lattice antiferromagnet $\text{CuCrO}_2$ . Physical Review B, 2013, 87, .  | 3.2 | 31        |
| 56 | Ca-VII: A Chain Ordered Host-Guest Structure of Calcium above 210 GPa. Physical Review Letters, 2013, 110, 235501.   | 7.8 | 38        |
| 57 | First-principles study on superconductivity of the gold-indium alloy under high pressure. High Pressure Research, 2013, 33, 152-157.   | 1.2 | 1         |
| 58 | Valence ordering in the intermediate-valence magnet YbPd. Physical Review B, 2013, 88, .   | 3.2 | 19        |
| 59 | Interplay between Charge and Magnetic Orderings in YbPd. Journal of the Physical Society of Japan, 2013, 82, 084706.   | 1.6 | 9         |
| 60 | Superconducting and Martensitic Transitions of $\text{V}_3\text{Si}$ and $\text{Nb}_3\text{Sn}$ under High Pressure. Journal of the Physical Society of Japan, 2012, 81, SB026.  | 1.6 | 8         |
| 61 | Pressure-induced novel superconductivity and heavy fermion state in rare earth compounds. Journal of Physics: Conference Series, 2012, 400, 022028.  | 0.4 | 3         |
| 62 | Pressure-Induced Metallization of Yttrium Trihydride, $\text{YH}_3$ . Journal of the Physical Society of Japan, 2012, 81, SB041.   | 1.6 | 9         |
| 63 | Crystal Structure of High-Pressure Phases V and VI of Potassium Dihydrogen Phosphate. Journal of the Physical Society of Japan, 2012, 81, 064706.  | 1.6 | 2         |
| 64 | First-principles study on superconductivity of simple cubic, modulated and simple hexagonal phases in phosphorus. High Pressure Research, 2012, 32, 3-10.  | 1.2 | 6         |
| 65 | The Novel Phase Diagram of YbPd. Journal of Physics: Conference Series, 2012, 391, 012045.   | 0.4 | 2         |
| 66 | First-principles molecular dynamics study on simple cubic calcium: comparison with simple cubic phosphorus. High Pressure Research, 2012, 32, 11-17.   | 1.2 | 1         |
| 67 | Development of the Valence Fluctuation in the Nearly Divalent Compound $\text{YbCu}_2\text{Ge}_2$ under High Pressure. Journal of the Physical Society of Japan, 2012, 81, SB054.  | 1.6 | 8         |
| 68 | Dielectric and AC-Calorimetry Measurements of $\text{SmMnO}_3$ under High Pressure. Journal of the Physical Society of Japan, 2012, 81, SB036.   | 1.6 | 13        |
| 69 | First-Principles Molecular Dynamics Simulation for Calcium under High-Pressure: Thermodynamic Effect on Simple Cubic Structure. Journal of the Physical Society of Japan, 2012, 81, 124601.                                | 1.6 | 3         |
| 70 | First-principles study on superconductivity of solid oxygen. High Pressure Research, 2012, 32, 457-463.  | 1.2 | 3         |
| 71 | Experimental and Theoretical Evidence for Pressure-Induced Metallization in FeO with Rocksalt-Type Structure. Physical Review Letters, 2012, 108, 026403.  | 7.8 | 111       |
| 72 | Observation of Superconductivity at Very High Pressure and Low Temperature -Pressure-Induced High Temperature Superconductivity of Calcium-. Zairyo/Journal of the Society of Materials Science, Japan, 2012, 61, 399-401. | 0.2 | 0         |

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|----|--|-----|-----------|
| 73 | Superconducting state of Ca-VII below a critical temperature of 29 K at a pressure of 216 GPa. Physical Review B, 2011, 83, .  | 3.2 | 80        |
| 74 | Structural and electrical transport properties of FeH <sub>x</sub> under high pressures and low temperatures. High Pressure Research, 2011, 31, 64-67.   | 1.2 | 9         |
| 75 | (P,T) Phase Diagram of Clathrate Superconductor Ba <sub>24</sub> Ge <sub>100</sub> . Journal of Physics: Conference Series, 2011, 273, 012079.   | 0.4 | 0         |
| 76 | Sample dependence of superconductivity for V <sub>3</sub> Si under high pressure. Journal of Physics: Conference Series, 2011, 273, 012105.  | 0.4 | 1         |
| 77 | Suppression of metal-insulator transition at high pressure and pressure-induced magnetic ordering in pyrochlore oxide Nd <sub>2</sub> Ir <sub>2</sub> O <sub>10</sub> . Journal of Physics: Conference Series, 2011, 273, 012106.  | 3.2 | 47        |
| 78 | Cryogenic implementation of charging diamond anvil cells with H <sub>2</sub> and D <sub>2</sub> . Review of Scientific Instruments, 2011, 82, 105109.  | 1.3 | 16        |
| 79 | Electrical Resistance Measurement Techniques for Metal Hydrides under High-Pressure H <sub>2</sub> Conditions & Electrical Transport and Structural Properties of FeH <sub>x</sub> . Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2011, 21, 190-196. | 0.0 | 1         |
| 80 | Pressure investigation of superconductivity of V <sub>3</sub> Si. Journal of Physics: Conference Series, 2010, 200, 012202.  | 0.4 | 7         |
| 81 | Superconductivity in $\hat{1}\pm$ -boron at Mbar pressure. Physica C: Superconductivity and Its Applications, 2010, 470, S631-S632.  | 1.2 | 18        |
| 82 | Pressure-induced superconductivity in non-centrosymmetric compound CeIrGe <sub>3</sub> . Physica C: Superconductivity and Its Applications, 2010, 470, S543-S544.  | 1.2 | 27        |
| 83 | Review of High-Pressure Induced Superconductivity in Single Elements. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2010, 20, 133-139.  | 0.0 | 0         |
| 84 | High-pressure experimental evidence for metal FeO with normal NiAs-type structure. Physical Review B, 2010, 82, .  | 3.2 | 29        |
| 85 | Pressure-induced phase transition, metallization, and superconductivity in boron triiodide. Physical Review B, 2010, 82, .   | 3.2 | 17        |
| 86 | Ca-VI: A high-pressure phase of calcium above 158 GPa. Physical Review B, 2010, 81, .  | 3.2 | 39        |
| 87 | Electrical conductivities of pyrochlore mantle and MORB materials up to the lowermost mantle conditions. Earth and Planetary Science Letters, 2010, 289, 497-502.  | 4.4 | 59        |
| 88 | The electrical resistance measurements of (Mg,Fe)SiO <sub>3</sub> perovskite at high pressures and implications for electronic spin transition of iron. Physics of the Earth and Planetary Interiors, 2010, 180, 154-158.  | 1.9 | 28        |
| 89 | Pressure-induced superconducting state in crystalline boron nanowires. Physical Review B, 2009, 79, .  | 3.2 | 18        |
| 90 | Magnetic Properties of RCoGe <sub>3</sub> (R: Ce, Pr, and Nd) and Strong Anisotropy of the Upper Critical Field in Non-centrosymmetric Compound CeCoGe <sub>3</sub> . Journal of the Physical Society of Japan, 2009, 78, 124713.  | 1.6 | 35        |

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|-----|---|------|-----------|
| 91  | Direct observation of a pressure-induced metal-to-semiconductor transition in lithium. <i>Nature</i> , 2009, 458, 186-189.  | 27.8 | 228       |
| 92  | Crystal Structures of Calcium IV and V under High Pressure. <i>Physical Review Letters</i> , 2008, 101, 095503.   | 7.8  | 47        |
| 93  | Appearance of Pressure-Induced Magnetic Phase in $\hat{\pm}$ -Manganese. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 025001.  | 1.6  | 11        |
| 94  | Pressure-Induced Superconductivity in Antiferromagnet $\text{CePd}_{5-x}\text{Al}_x$ . <i>Journal of the Physical Society of Japan</i> , 2008, 77, 043701.  | 1.6  | 42        |
| 95  | The Electrical Conductivity of Post-Perovskite in Earth's D'' Layer. <i>Science</i> , 2008, 320, 89-91.   | 12.6 | 127       |
| 96  | Measurements of Electrical Conductivity of (Mg,Fe)SiO <sub>3</sub> Post-Perovskite using Laser-Heated Diamond-Anvil Cell. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2008, 18, 260-266. | 0.0  | 0         |
| 97  | Generation of Multi-Megabar Pressure Using Nano-Polycrystalline Diamond Anvils. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L640-L641.   | 1.5  | 34        |
| 98  | Measurement of Electrical Resistance and Raman Spectrum of $\hat{\pm}$ -Boron under High Pressure. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 19-20.   | 1.6  | 14        |
| 99  | Crystal Structure and Electrical Property of Calcium under Very High Pressure. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 25-26.   | 1.6  | 12        |
| 100 | Pressure Dependence of the Superconductivity in Strontium. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 23-24.   | 1.6  | 6         |
| 101 | The effect of iron spin transition on electrical conductivity of (Mg,Fe)O magnesiowuestite. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2007, 83, 97-100.                                    | 3.8  | 33        |
| 102 | New superconductors under very high pressure. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 125207.  | 1.8  | 8         |
| 103 | Electrical Properties of YH <sub>3</sub> under High Pressure. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 86-87.  | 1.6  | 7         |
| 104 | Pressure-Induced Metallization of Molecular Crystal BI <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , 2007, 76, 33-34.  | 1.6  | 1         |
| 105 | Structural analysis of the filled skutterudite at high pressure and low temperature. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 199-200.   | 2.7  | 0         |
| 106 | Superconductivity from magnetic elements under high pressure. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 632-635.  | 2.7  | 9         |
| 107 | Superconductivity of Ca Exceeding 25 K at Megabar Pressures. <i>Journal of the Physical Society of Japan</i> , 2006, 75, 083703.  | 1.6  | 119       |
| 108 | Pressure-Induced Superconductivity of the Filled Skutterudite. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2006, 16, 350-356.  | 0.0  | 0         |

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|-----|---|------|-----------|
| 109 | The phase transition of PbHPO <sub>4</sub> . Physica B: Condensed Matter, 2005, 359-361, 1303-1305.   | 2.7  | 5         |
| 110 | High-pressure effect on the electrical resistivity in and. Physica B: Condensed Matter, 2005, 359-361, 266-268.   | 2.7  | 3         |
| 111 | The phase transition of CuCrZrS <sub>4</sub> at high pressure. Physica B: Condensed Matter, 2005, 359-361, 1213-1215.   | 2.7  | 5         |
| 112 | PRESSURE-INDUCED SUPERCONDUCTIVITY IN SYMPLE METALS. International Journal of Modern Physics B, 2005, 19, 259-261.  | 2.0  | 1         |
| 113 | Pressure-induced Superconductivity in Elemental Materials. Journal of the Physical Society of Japan, 2005, 74, 1345-1357.   | 1.6  | 66        |
| 114 | New High-Pressure Phase of Calcium. Journal of the Physical Society of Japan, 2005, 74, 2391-2392.  | 1.6  | 70        |
| 115 | Compression of polyhedral graphite up to 43 GPa and x-ray diffraction study on elasticity and stability of the graphite phase. Applied Physics Letters, 2004, 84, 5112-5114.  | 3.3  | 26        |
| 116 | Pressure-Induced Superconductivity in Filled Skutterudite PrRu <sub>4</sub> P <sub>12</sub> . Journal of the Physical Society of Japan, 2004, 73, 2370-2372.                  | 1.6  | 38        |
| 117 | Pressure-induced superconductivity in Li and Fe. Physica C: Superconductivity and Its Applications, 2004, 408-410, 750-753.   | 1.2  | 3         |
| 118 | On the phase-transition in anthracene induced by high pressure. Solid State Communications, 2004, 129, 103-106.   | 1.9  | 27        |
| 119 | Superconductivity in Compressed Lithium at 20 K.. ChemInform, 2003, 34, no-no.  | 0.0  | 0         |
| 120 | Electrical resistivity of CeTln <sub>5</sub> (T=Rh, Ir) under high pressure. Physica C: Superconductivity and Its Applications, 2003, 388-389, 539-540.                       | 1.2  | 29        |
| 121 | Magnetic - nonmagnetic transition of U <sub>3</sub> P <sub>4</sub> at high pressures. Journal of Nuclear Science and Technology, 2002, 39, 191-194.                           | 1.3  | 8         |
| 122 | Superconductivity in compressed lithium at 20 K. Nature, 2002, 419, 597-599.  | 27.8 | 321       |
| 123 | 15 years of Searching for Superconductivity under Ultra-high Pressure.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2002, 12, 315-322.   | 0.0  | 0         |
| 124 | Superconductivity of CeRhIn <sub>5</sub> under High Pressure. Journal of the Physical Society of Japan, 2001, 70, 3362-3367.  | 1.6  | 98        |
| 125 | Pressure-induced insulator-to-metal transition and superconductivity in iodanil, C <sub>6</sub> H <sub>4</sub> O <sub>2</sub> . Physica B: Condensed Matter, 2001, 304, 6-11. | 2.7  | 10        |
| 126 | Superconductivity in the non-magnetic state of iron under pressure. Nature, 2001, 412, 316-318.   | 27.8 | 269       |



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|-----|--|-----|-----------|
| 127 | Specific heat and effect of pressure on the electrical resistivity of CePtGa single crystal. Physica B: Condensed Matter, 2000, 284-288, 1321-1322.  | 2.7 | 4         |
| 128 | Molecular Solid. Metallization and Superconductivity in Oxygen under High Pressure.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2000, 10, 194-199.                           | 0.0 | 1         |
| 129 | Introduction to DAC Technique. II. Application of DAC for Exploring Superconductivity.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1999, 9, 293-299.                         | 0.0 | 1         |
| 130 | Enhancement of Superconducting Transition Temperature in CeCu <sub>2</sub> Ge <sub>2</sub> under High Pressures. Journal of the Physical Society of Japan, 1998, 67, 996-999.                                      | 1.6 | 26        |
| 131 | Pressure-Induced Superconductivity of SnI <sub>4</sub> .. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 595-597.   | 0.0 | 3         |
| 132 | Introduction to DAC Techniques. Low Temperature Technique for DAC.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 8, 41-48.   | 0.0 | 1         |
| 133 | Observation of Pressure-Induced Superconductivity of Sulfur. Journal of the Physical Society of Japan, 1997, 66, 2564-2565.  | 1.6 | 59        |
| 134 | Electrical Resistance Measurement of Oxygen under High Pressure. Journal of the Physical Society of Japan, 1996, 65, 1527-1528.  | 1.6 | 13        |
| 135 | Pressure-Induced Superconductivity of SnI <sub>4</sub> . Journal of the Physical Society of Japan, 1996, 65, 3400-3401.  | 1.6 | 15        |
| 136 | Superconductivity of Calcium under High Pressures. Journal of the Physical Society of Japan, 1996, 65, 1924-1926.  | 1.6 | 57        |
| 137 | Pressure-induced superconductivity of iodanyl. European Physical Journal D, 1996, 46, 817-818.   | 0.4 | 19        |
| 138 | Observation of superconductivity of calcium under high pressures. European Physical Journal D, 1996, 46, 869-870.  | 0.4 | 2         |
| 139 | Hall Effect of Iodine in High Pressure. Journal of the Physical Society of Japan, 1994, 63, 3207-3209.   | 1.6 | 17        |
| 140 | Experiments under Extreme Conditions of Very Low Temperature and Ultra High Pressure Using Diamond Anvil Cell.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1994, 3, 375-377. | 0.0 | 0         |
| 141 | Pressure-Induced Superconductivity of Iodine. Journal of the Physical Society of Japan, 1992, 61, 3853-3855.   | 1.6 | 36        |