

Akihiro Mitsuda

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7701792/publications.pdf>

Version: 2024-02-01

38
papers

392
citations

933447

10
h-index

794594

19
g-index

38
all docs

38
docs citations

38
times ranked

452
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-Induced Valence Transition in Antiferromagnet EuRh_2Si_2 . Journal of the Physical Society of Japan, 2012, 81, 023709.	1.6	80
2	Zero-resistance superconducting phase in BaFe_2As_2 at high pressure. Physical Review B, 2009, 79, .	3.2	57
3	Charge Density Wave and Superconductivity of RPt_2Si_2 (R = Y, La, Nd, and Lu). Journal of the Physical Society of Japan, 2013, 82, 064715.	1.6	46
4	High-Magnetic-Field X-ray Absorption Spectroscopy of Field-Induced Valence Transition in $\text{EuNi}_2(\text{Si}_{1-x}\text{Ge}_x)_2$. Journal of the Physical Society of Japan, 2008, 77, 054713.	1.6	24
5	Origin of Weak Ferromagnetism in $\text{YbFe}_4\text{Sb}_{12}$, Relationship between Weak Ferromagnetism and Filling Ratio x. Journal of the Physical Society of Japan, 2007, 76, 024708.	1.6	18
6	Origins of Phase Transitions in Valence Fluctuating YbPd . Journal of the Physical Society of Japan, 2013, 82, 084712.	1.6	17
7	Oxidation state sensitivity of Eu L^{34} emission and its applications to oxidation state selective EXAFS spectroscopy of EuPd_2Si_2 . Journal of Analytical Atomic Spectrometry, 2011, 26, 1858.	3.0	15
8	An unconventional hydrogen effect that suppresses thermal formation of the hcp phase in fcc steels. Scientific Reports, 2018, 8, 16136.	3.3	15
9	Evolution of lattice coherence in the intermediate-valence heavy-fermion compound $\text{Eu}_2\text{Ni}_2\text{P}_2$ studied by point contact spectroscopy. Physical Review B, 2021, 103, .	3.2	11
10	Soft-X-ray Magnetic Circular Dichroism under Pulsed High Magnetic Fields at $\text{EuM}_{4,5}$ Edges of Mixed Valence Compound $\text{EuNi}_2(\text{Si}_{0.18}\text{Ge}_{0.82})_2$. Journal of the Physical Society of Japan, 2012, 81, 103705.	1.6	10
11	Pressure-Induced Superconductivity in $\text{Eu}_{0.5}\text{Ca}_{0.5}\text{Fe}_2\text{As}_2$: Wide Zero-Resistivity Region Due to Suppression of Eu Magnetic Order and Chemical Pressure. Journal of the Physical Society of Japan, 2010, 79, 073704.	1.6	9
12	Pressure and magnetic field effects on the valence transition of EuRh_2Si_2 . Physica B: Condensed Matter, 2018, 536, 427-431.	2.7	9
13	Large Magnetoresistance and Volume Expansion Associated with Valence Transition in $\text{Eu}(\text{Rh}_{1-x}\text{Ir}_x)_2\text{Si}_2$. Journal of the Physical Society of Japan, 2016, 85, 124703.	1.6	8
14	Observation of Kondo resonance in valence-ordered YbPd . Physical Review B, 2019, 100, .	3.2	8
15	Neutron Diffraction Studies on Valence Ordering Compound YbPd . Journal of the Physical Society of Japan, 2018, 87, 114705.	1.6	8
16	Valence transition induced by pressure and magnetic field in antiferromagnet EuRh_2Si_2 . Journal of the Korean Physical Society, 2013, 62, 1787-1791.	0.7	6
17	Electrical Resistivity of Heavy-Fermion System of Cubic YbCu_5 under High Pressures. Journal of the Physical Society of Japan, 2007, 76, 78-79.	1.6	5
18	Effect of Substitution of Ca^{2+} for Eu^{2+} on Pressure-Induced Superconductivity in EuFe_2As_2 . Journal of the Physical Society of Japan, 2011, 80, SA117.	1.6	5

#	ARTICLE	IF	CITATIONS
19	195Pt-NMR Evidence for Opening of Partial Charge-Density-Wave Gap in Layered LaPt ₂ Si ₂ with CaBe ₂ Ge ₂ Structure. Journal of the Physical Society of Japan, 2018, 87, 124713.	1.6	5
20	Transport Properties of EuNi ₂ Ge ₂ under High Pressure. Journal of the Physical Society of Japan, 2018, 87, 034707.	1.6	5
21	What is Origin of the First Eu-Based Heavy Fermion?. JPSJ News and Comments, 2013, 10, 14.	0.1	5
22	40 T Soft X-ray Spectroscopies on Magnetic-Field-Induced Valence Transition in Eu(Rh _{1-x} Ir _x) ₂ Si ₂ (x = 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0). Journal of the Physical Society of Japan, 2018, 87, 034707.	1.6	4
23	Emergence of a new valence-ordered structure and collapse of the magnetic order under high pressure in EuPtP. Journal of Physics Condensed Matter, 2018, 30, 105603.	1.8	4
24	Structural Phase Transition and Superconductivity in LaPt ₂ Si ₂ : ¹³⁹ La- and ¹⁹⁵ Pt-NMR Studies. , 2014, , .		3
25	Detailed Investigation of Elastic Properties of YbPd Single Crystal. Journal of the Physical Society of Japan, 2011, 80, SA093.	1.6	2
26	Valence Transition of EuRh ₂ Si ₂ Studied by Synchrotron Mössbauer Spectroscopy. Journal of the Physical Society of Japan, 2020, 89, 104703.	1.6	2
27	Point-Contact Spectroscopy Study of YbPd/W Interface. , 2020, , .		2
28	Lattice instability coupled with valence degrees of freedom in valence fluctuation compound YbPd. Physical Review B, 2020, 102, .	3.2	2
29	Effects of Magnetic Field, Pressure and Dilution of Yb on Phase Transitions in Valence Fluctuating Compound YbPd. Journal of the Physical Society of Japan, 2011, 80, SA094.	1.6	1
30	Molecular beam epitaxy growth of Sr _{1-x} K _x Fe ₂ As ₂ and Ba _{1-x} K _x Fe ₂ As ₂ . Materials Research Society Symposia Proceedings, 2012, 1434, 17.	0.1	1
31	Phase diagram and Eu valence state in EuPtP _{1-x} As _x . Journal of the Korean Physical Society, 2013, 62, 2019-2023.	0.7	1
32	Inelastic X-ray Scattering of Valence Fluctuating YbPd. , 2014, , .		1
33	Valence-lattice interaction on YbPd. Journal of Physics: Conference Series, 2015, 592, 012061.	0.4	1
34	Electronic Structure of the Valence Transition System Eu(Rh _{1-x} T _x) ₂ Si ₂ (T = Co, Ir) Studied by High-Energy Resolution Fluorescence Detection X-Ray Absorption Spectroscopy. , 2020, , .		1
35	Ga Substitution Effect on the Valence Transition of Eu ₂ Pt ₆ Al ₁₅ . Journal of the Physical Society of Japan, 2020, 89, 114713.	1.6	1
36	Large magnetoresistance of EuPtP _{1-x} As _x . Physica Status Solidi (B): Basic Research, 2015, 252, 2784-2788.	1.5	0

#	ARTICLE	IF	CITATIONS
37	Pressure-Induced Cubic Valence Fluctuating Ground State in YbPd. , 2020, , .		0
38	Ultrasound Investigation of the Eu-based Mixed Valence System EuRh ₂ Si ₂ . , 2020, , .		0