

Kazuyoshi Tatsumi

List of Publications by Year in descending order

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1040056

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17
docs citations

17
times ranked

508
citing authors

#	ARTICLE	IF	CITATIONS
1	Sparse modeling of EELS and EDX spectral imaging data by nonnegative matrix factorization. Ultramicroscopy, 2016, 170, 43-59.	1.9	90
2	Effects of nitrogen-related defects on visible light photocatalytic response in N+implanted TiO ₂ : A first-principles study. Journal of Applied Physics, 2015, 118, 115702.	2.5	7
3	Energy Loss by Channeled Electrons: A Quantitative Study on Transition Metal Oxides. Microscopy and Microanalysis, 2013, 19, 1586-1594.	0.4	9
4	Chemical Bonding of AlH ₃ Hydride by Al-L _{2,3} Electron Energy-Loss Spectra and First-Principles Calculations. Materials, 2012, 5, 566-574.	2.9	5
5	Site-specific electronic configurations of Fe 3d states by energy loss by channeled electrons. Applied Physics Letters, 2010, 96, .	3.3	16
6	Thermoelectric properties of Ba ₃ Co ₂ O ₆ (CO ₃) _{0.7} containing one-dimensional CoO ₆ octahedral columns. Journal of Applied Physics, 2009, 106, 034905.	2.5	10
7	Local Electronic and Atomic Structure of Ce ³⁺ -Containing Fluoride/Oxide Determined by TEM-EELS and First-Principles Calculations. Materials Transactions, 2009, 50, 952-958.	1.2	7
8	Diagnostic Nano-Analysis of Materials Properties by Multivariate Curve Resolution Applied to Spectrum Images by S/TEM-EELS. Materials Transactions, 2009, 50, 964-969.	1.2	54
9	Local atomic and electronic structures around Mg and Al dopants in LiNiO_2 studied by XANES and ELNES and first-principles calculations. Physical Review B, 2008, 78, .	3.2	38
10	Site-Selective Electronic Structure of Aluminum in Oxide Ceramics Obtained by TEM-EELS Analysis Using the Electron Standing-Wave Method. Materials Transactions, 2007, 48, 2590-2594.	1.2	15
11	Mn L _{2,3} ELNES of Spinel-type Mn ₃ O ₄ under Electron Channeling Conditions. Materia Japan, 2006, 45, 874-874.	0.1	0
12	EELS Analysis of a Low Concentration Dopant in a Lithium-Ion Secondary Battery Material by Anisotropic PIXON Method. Materia Japan, 2006, 45, 869-869.	0.1	0
13	Site-specific electronic structure analysis by channeling EELS and first-principles calculations. Ultramicroscopy, 2006, 106, 1019-1023.	1.9	18
14	Distribution of solute atoms in $\text{Si}_6\text{ZAl}_2\text{O}_8$ by AlK-edge x-ray absorption near-edge structure. Physical Review B, 2005, 71, .	3.2	40
15	Theoretical Investigation of Al K-edge X-ray Absorption Spectra of Al, AlN and Al ₂ O ₃ . Materials Transactions, 2004, 45, 2031-2034.	1.2	20
16	First Principles Study of Core-hole Effect on Fluorine K-edge X-ray Absorption Spectra of MgF ₂ and ZnF ₂ . Materials Transactions, 2004, 45, 1991-1993.	1.2	7
17	X-ray Absorption Near Edge Structures of Silicon Nitride Thin Film by Pulsed Laser Deposition. Materials Transactions, 2004, 45, 2039-2041.	1.2	4