

Kazuyoshi Tatsumi

List of Publications by Year in descending order

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17
papers

340
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1040056

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508
citing authors

#	ARTICLE	IF	CITATIONS
1	Sparse modeling of EELS and EDX spectral imaging data by nonnegative matrix factorization. <i>Ultramicroscopy</i> , 2016, 170, 43-59.	1.9	90
2	Diagnostic Nano-Analysis of Materials Properties by Multivariate Curve Resolution Applied to Spectrum Images by S/TEM-EELS. <i>Materials Transactions</i> , 2009, 50, 964-969.	1.2	54
3	Distribution of solute atoms in In^{2-} and spinel $\text{Si}_6\text{ZrAl}_2\text{O}_8$ by AlK-edge x-ray absorption near-edge structure. <i>Physical Review B</i> , 2005, 71, .	3.2	40
4	Local atomic and electronic structures around Mg and Al dopants in LiNiO_2 studied by XANES and ELNES and first-principles calculations. <i>Physical Review B</i> , 2008, 78, .	3.2	38
5	Theoretical Investigation of Al K-edge X-ray Absorption Spectra of Al, AlN and Al_2O_3 . <i>Materials Transactions</i> , 2004, 45, 2031-2034.	1.2	20
6	Site-specific electronic structure analysis by channeling EELS and first-principles calculations. <i>Ultramicroscopy</i> , 2006, 106, 1019-1023.	1.9	18
7	Site-specific electronic configurations of Fe $3d$ states by energy loss by channeled electrons. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	16
8	Site-Selective Electronic Structure of Aluminum in Oxide Ceramics Obtained by TEM-EELS Analysis Using the Electron Standing-Wave Method. <i>Materials Transactions</i> , 2007, 48, 2590-2594.	1.2	15
9	Thermoelectric properties of $\text{Ba}_3\text{Co}_2\text{O}_6(\text{CO}_3)_{0.7}$ containing one-dimensional CoO_6 octahedral columns. <i>Journal of Applied Physics</i> , 2009, 106, 034905.	2.5	10
10	Energy Loss by Channeled Electrons: A Quantitative Study on Transition Metal Oxides. <i>Microscopy and Microanalysis</i> , 2013, 19, 1586-1594.	0.4	9
11	First Principles Study of Core-hole Effect on Fluorine K-edge X-ray Absorption Spectra of MgF_2 and ZnF_2 . <i>Materials Transactions</i> , 2004, 45, 1991-1993.	1.2	7
12	Local Electronic and Atomic Structure of Ce^{3+} -Containing Fluoride/Oxide Determined by TEM-EELS and First-Principles Calculations. <i>Materials Transactions</i> , 2009, 50, 952-958.	1.2	7
13	Effects of nitrogen-related defects on visible light photocatalytic response in N-implanted TiO_2 : A first-principles study. <i>Journal of Applied Physics</i> , 2015, 118, 115702.	2.5	7
14	Chemical Bonding of AlH_3 Hydride by Al-L _{2,3} Electron Energy-Loss Spectra and First-Principles Calculations. <i>Materials</i> , 2012, 5, 566-574.	2.9	5
15	X-ray Absorption Near Edge Structures of Silicon Nitride Thin Film by Pulsed Laser Deposition. <i>Materials Transactions</i> , 2004, 45, 2039-2041.	1.2	4
16	Mn L _{2,3} ELNES of Spinel-type Mn_3O_4 under Electron Channeling Conditions. <i>Materia Japan</i> , 2006, 45, 874-874.	0.1	0
17	EELS Analysis of a Low Concentration Dopant in a Lithium-Ion Secondary Battery Material by Anisotropic PIXON Method. <i>Materia Japan</i> , 2006, 45, 869-869.	0.1	0