

# Kazuyoshi Ogasawara

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110  
papers

1,301  
citations

19  
h-index

32  
g-index

119  
ext. papers

1,414  
ext. citations

2.5  
avg, IF

4.3  
L-index

#	Paper	IF	Citations
110	First-Principles calculations of the interconfigurational transition energies of 4f - 4f-15d of Ln <sup>3+</sup> ions in LiYF <sub>4</sub> and CaF <sub>2</sub> . <i>Optical Materials</i> , <b>2021</b> , 122, 111656	3.3	0
109	Photoconductive Coordination Polymer with a Lead-Sulfur Two-Dimensional Coordination Sheet Structure. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 5436-5441	5.1	0
108	Study on the Optical Luminescence Properties of Li <sub>2</sub> TiO <sub>3</sub> : Mn <sup>4+</sup> and Cr <sup>3+</sup> . <i>Chemistry Letters</i> , <b>2021</b> , 50, 52-56	1.7	4
107	Redox-Active Tin Metal-Organic Framework with a Thiolate-Based Ligand. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12691-12695	5.1	3
106	Machine-Learning-Assisted Selective Synthesis of a Semiconductive Silver Thiolate Coordination Polymer with Segregated Paths for Holes and Electrons. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23405	3.6	
105	Machine-Learning-Assisted Selective Synthesis of a Semiconductive Silver Thiolate Coordination Polymer with Segregated Paths for Holes and Electrons. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23217-23224	16.4	2
104	Chromaticity coordinates of ruby based on first-principles calculation. <i>Optical Materials</i> , <b>2021</b> , 121, 111539	3.9	1
103	Enhance electron-correlation effect on the ruby multiplet energy dependence on pressure. <i>Optical Materials</i> , <b>2020</b> , 110, 110520	3.3	3
102	Optimization of first-principles calculation conditions for multiplet energies of Fe <sup>3+</sup> and Co <sup>3+</sup> in $\alpha$ -Al <sub>2</sub> O <sub>3</sub> . <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012007	0.4	
101	Prediction of 4f <sup>2</sup> →4f15d1 transition energy of Pr <sup>3+</sup> in fluorides based on first-principles calculations and machine learning. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012009	0.4	1
100	Lattice Relaxation Effects on the Multiplet Energies of Ruby Under Pressure using One-Electron Calculations. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012010	0.4	3
99	The magnetism change by Jahn-Teller distortion in octahedral hexa-coordinate complex. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012014	0.4	
98	Recent applications of discrete variational multi-electron method. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012028	0.4	
97	Systematic First-Principles Calculations of Charge Transfer Transitions of Transition Metal Ions (Sc <sup>3+</sup> , Ti <sup>3+</sup> , V <sup>3+</sup> , Cr <sup>3+</sup> , Mn <sup>3+</sup> , Fe <sup>3+</sup> ) in $\alpha$ -Al <sub>2</sub> O <sub>3</sub> with Structural Optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012005	0.4	1
96	Optical properties of Co <sup>3+</sup> doped in $\alpha$ -Al <sub>2</sub> O <sub>3</sub> with Considering Lattice Relaxation Effect. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012011	0.4	
95	First-Principles Study of the Crystal-Field and Racah Parameters of Cr <sup>3+</sup> in Alumina. <i>ECS Meeting Abstracts</i> , <b>2020</b> , MA2020-02, 2735-2735	0	
94	First-Principles Calculations of Charge Transfer Transitions of Eu <sup>3+</sup> in Y <sub>2</sub> O <sub>3</sub> and Y <sub>2</sub> O <sub>2</sub> S. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 066005		2

93	Semiconductive Nature of Lead-Based Metal-Organic Frameworks with Three-Dimensionally Extended Sulfur Secondary Building Units. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 27-32	16.4	29
92	A First-Principles Investigation of the Crystal-Field and Racah Parameters of Transition Metal Ions: Cr <sup>3+</sup> in Alumina. <i>ECS Journal of Solid State Science and Technology</i> , <b>2020</b> , 9, 016011	2	8
91	Study on the molecular orbital energies of ruby under pressure. <i>Optical Materials</i> , <b>2020</b> , 109, 110375	3.3	3
90	Effect of Molecular Distortion of Ligand Field Splitting in Five-Coordinated Metal Complex. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012022	0.4	
89	Prediction of emission energy of Cr <sup>3+</sup> in oxides based on first-principles calculations and machine learning. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012018	0.4	
88	Mechanism of Optical Rotation of Amino Acids Using Electronic State Calculation. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 835, 012020	0.4	
87	A non-empirical lattice-relaxation estimation of TM <sup>3+</sup> doped $\alpha$ -Al <sub>2</sub> O <sub>3</sub> . <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 850, 012029	0.4	0
86	Systematic first-principles calculations of charge transfer transitions of trivalent rare earth ions in CaF <sub>2</sub> . <i>Journal of Luminescence</i> , <b>2019</b> , 214, 116542	3.8	4
85	Systematic first-principles calculations of charge transfer transitions of transition metal ions (Sc <sup>3+</sup> , Ti <sup>3+</sup> , V <sup>3+</sup> , Cr <sup>3+</sup> , Mn <sup>3+</sup> , Fe <sup>3+</sup> ) in $\alpha$ -Al <sub>2</sub> O <sub>3</sub> . <i>Optical Materials: X</i> , <b>2019</b> , 1, 100005	1.7	3
84	Comparative Study on R-line and U-band Energies of Ruby Estimated from One-Electron and Many-Electron First-Principles Approaches. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1179, 012104	0.3	4
83	Effect of trivalent manganese substitution in $\alpha$ -Al <sub>2</sub> O <sub>3</sub> crystal on the absorption spectra based on first-principles calculations. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1402, 066004	0.3	1
82	Non-empirical study on pressure dependence of ruby bond length. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1402, 066005	0.3	4
81	Ab-initiostudy on the absorption spectrum of color change sapphire based on first-principles calculations with considering lattice relaxation-effect. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 299, 012060	0.4	6
80	Synthesis, Crystal Structure, and Relativistic DV-X $\alpha$ Calculation of a $\alpha$ -Oxido-Molybdate(VI)-bridged Dinuclear Oxidomolybdenum(V) Complex with 2-(3-Aminopropyl)aminoethanethiol. <i>X-ray Structure Analysis Online</i> , <b>2018</b> , 34, 19-21	0.2	1
79	Vacuum referred binding energy of 3d transition metal ions for persistent and photostimulated luminescence phosphors of cerium-doped garnets. <i>Journal of Luminescence</i> , <b>2017</b> , 192, 371-375	3.8	16
78	Synthesis, Crystal Structure, and DFT Calculation of a Dioxido-bridged Dinuclear Oxidomolybdenum(V) Complex with 2-(2-Aminoethyl)aminoethanethiol. <i>X-ray Structure Analysis Online</i> , <b>2017</b> , 33, 37-39	0.2	3
77	Study of multiplet structures of Mn <sup>4+</sup> activated in fluoride crystals. <i>Journal of Luminescence</i> , <b>2016</b> , 169, 594-600	3.8	31
76	Multiplet Energy Level Diagrams for Cr <sup>3+</sup> and Mn <sup>4+</sup> in Oxides with Oh Site Symmetry Based on First-Principles Calculations. <i>ECS Journal of Solid State Science and Technology</i> , <b>2016</b> , 5, R3191-R3196	2	25

75	The DV-XMolecular Orbital Calculation Method and Recent Development <b>2015</b> , 3-23		
74	Molecular orbital calculations of Eu-doped SrAl <sub>2</sub> O <sub>4</sub> clusters. <i>Solid State Communications</i> , <b>2015</b> , 206, 42-456		4
73	Comparative Study on Optical Properties of YPO <sub>4</sub> : Mn, Zr Phosphor by Experiment and Calculation <b>2015</b> , 217-235		
72	Study on Multiplet Energies of V <sup>2+</sup> , Cr <sup>3+</sup> , and Mn <sup>4+</sup> in MgO Host Crystal Based on First-Principles Calculations with Consideration of Lattice Relaxation. <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 124707	1.5	16
71	Comparative study of Auger-free luminescence of Rb <sub>2</sub> ZnCl <sub>4</sub> crystals between experiment and calculation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2013</b> , 10, 993-996		2
70	Investigation of Ion Dependence of Electronic Structure for 3d <sup>3</sup> Ions in Mg <sub>2</sub> TiO <sub>4</sub> Based on First-Principles Calculations. <i>ECS Transactions</i> , <b>2013</b> , 50, 9-17	1	14
69	Comparative Study of Absorption Spectra of V <sup>2+</sup> , Cr <sup>3+</sup> , and Mn <sup>4+</sup> in Al <sub>2</sub> O <sub>3</sub> Based on First-Principles Configuration Interaction Calculations. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 104709	1.5	21
68	Comparative Study of Multiplet Structures of Mn <sup>4+</sup> in K <sub>2</sub> SiF <sub>6</sub> , K <sub>2</sub> GeF <sub>6</sub> , and K <sub>2</sub> TiF <sub>6</sub> Based on First-Principles Configuration Interaction Calculations. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 022604	1.4	6
67	Comparative Study of Multiplet Structures of Mn <sup>4+</sup> in K <sub>2</sub> SiF <sub>6</sub> , K <sub>2</sub> GeF <sub>6</sub> , and K <sub>2</sub> TiF <sub>6</sub> Based on First-Principles Configuration Interaction Calculations. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 022604	1.4	2
66	Relativistic many-electron calculations of Cr <sup>3+</sup> L <sub>2,3</sub> -edge x ray absorption near-edge structures for Cr <sup>3+</sup> :Al <sub>2</sub> O <sub>3</sub> and Cr <sub>2</sub> O <sub>3</sub> and magnetic circular dichroism of Cr <sup>3+</sup> L <sub>2,3</sub> -edge x ray absorption near-edge structures for Cr <sup>3+</sup> :Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 123524	2.5	11
65	First-principles and experimental analysis of f <sub>n</sub> d <sub>1</sub> absorption spectra and multiplet energy levels of Pr <sup>3+</sup> , Nd <sup>3+</sup> , and U <sup>3+</sup> in LiYF <sub>4</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	16
64	Electronic states of Nd <sup>3+</sup> ions in phosphate glasses calculated by the discrete-variational multi-electron method. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 2454-2457	3.9	
63	First-principles calculation of ground and excited-state absorption spectra of ruby and alexandrite considering lattice relaxation. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	16
62	Total cluster energy calculation of lithium ion conductors by the DV-XMmethod. <i>International Journal of Quantum Chemistry</i> , <b>2009</b> , 109, 2658-2663	2.1	2
61	Fluorescence spectra of Pr <sup>3+</sup> ions in phosphate materials calculated by the DVME method. <i>International Journal of Quantum Chemistry</i> , <b>2009</b> , 109, 2753-2757	2.1	2
60	First-principles calculation of magnetic circular dichroism of transition-metal L <sub>2,3</sub> -edge X-ray absorption near-edge structures. <i>International Journal of Quantum Chemistry</i> , <b>2009</b> , 109, 2672-2676	2.1	2
59	Mechanism of Luminescence Enhancement in Ca <sub>4</sub> YO(BO <sub>3</sub> ) <sub>3</sub> :Eu <sup>3+</sup> by Gd Substitution under Vacuum Ultraviolet Light Excitation. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, J335	3.9	2
58	Experimental and First-Principles Analysis of f <sub>n</sub> d Absorption Spectrum for Ce <sup>3+</sup> in LiYF <sub>4</sub> Considering Lattice Relaxation. <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 084702	1.5	10

57	Current Situation and Future Development of Discrete Variational Multielectron Method. <i>Advances in Quantum Chemistry</i> , <b>2008</b> , 54, 297-314	1.4	5
56	Microscopic Analysis of 5d States Splitting and Charge Transfer Energies Dependence on Interionic Distance in Alkaline Earth Fluorides Doped with Light Trivalent Lanthanides. <i>Spectroscopy Letters</i> , <b>2007</b> , 40, 221-235	1.1	8
55	Comparative study of the absorption spectrum of Li <sub>2</sub> CaSiO <sub>4</sub> :Cr <sup>4+</sup> : First-principles fully relativistic and crystal field calculations. <i>Optical Materials</i> , <b>2007</b> , 30, 399-406	3.3	7
54	First-principles calculations of 4f <sup>8</sup> d optical absorption spectra in BaMgAl <sub>10</sub> O <sub>17</sub> :Eu. <i>Journal of Luminescence</i> , <b>2007</b> , 122-123, 104-106	3.8	19
53	Luminescence properties of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Gd <sup>3+</sup> phosphors substituted with Sc <sup>3+</sup> ions. <i>Journal of Luminescence</i> , <b>2007</b> , 122-123, 488-491	3.8	6
52	Chapter 231 First-principles calculations of transition spectra. <i>Fundamental Theories of Physics</i> , <b>2007</b> , 1-59	0.8	12
51	Theoretical and Experimental Consideration of Valence Band X-ray Photoelectron Spectroscopy Spectra of Cr-Deficient MgCr <sub>2-x</sub> O <sub>4</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 4175-4178	1.4	1
50	P-202L: Late-News Poster: Luminescence and Excitation Properties of Host Lattice and Eu <sup>2+</sup> Ions in BaMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> Phosphor. <i>Digest of Technical Papers SID International Symposium</i> , <b>2007</b> , 38, 526-529 <sup>0.5</sup>		
49	Experimental and Theoretical Investigations for Excitation Properties of Ba <sub>[sub 1-x]</sub> Eu <sub>[sub x]</sub> MgAl <sub>[sub 10]</sub> O <sub>[sub 17]</sub> . <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, J196	3.9	11
48	First-principles relativistic calculation for 4f <sup>8</sup> d transition energy of Ce <sup>3+</sup> in various fluoride hosts. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 2438-2442	3.3	20
47	Optical Transitions near the Fundamental Absorption Edge and Electronic Structures of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Gd <sup>3+</sup> . <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 146-151	1.4	22
46	Microscopic analysis of the crystal field strength and lowest charge transfer energies in the elpasolite crystals Cs <sub>2</sub> NaYX <sub>6</sub> (X=F,Cl,Br) doped with Cr <sup>3+</sup> . <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	35
45	Crystal field analysis of energy level structure of LaF <sub>3</sub> :Eu <sup>3+</sup> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 753-756	5.7	13
44	First-principles calculations of the V <sup>3+</sup> absorption spectra in LiAlO <sub>2</sub> and LiGaO <sub>2</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 2376-2379	3.9	
43	P-92: Luminescence Properties of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> : Tb <sup>3+</sup> Phosphors Substituted with Sc <sup>3+</sup> Ions under VUV Excitation. <i>Digest of Technical Papers SID International Symposium</i> , <b>2006</b> , 37, 550	0.5	
42	Luminescence properties of YAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> substituted with Sc <sup>3+</sup> ions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2006</b> , 203, 2701-2704	1.6	3
41	Fully relativistic analysis of the absorption spectra of Ca <sub>3</sub> Sc <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> :Ni <sup>2+</sup> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 2864-2873	1.3	7
40	First principles calculations of the L <sub>2,3</sub> -edge XANES spectra for V <sub>2</sub> O <sub>3</sub> . <i>Radiation Physics and Chemistry</i> , <b>2006</b> , 75, 1564-1570	2.5	5

39	Fully relativistic calculations of the L2,3-edge XANES spectra for vanadium oxides. <i>European Physical Journal B</i> , <b>2006</b> , 51, 345-355	1.2	38
38	Optical Materials. <i>Springer Series in Materials Science</i> , <b>2006</b> , 129-145	0.9	
37	First-principles multielectron calculations of Ni L2,3 NEXAFS and ELNES for LiNiO <sub>2</sub> and related compounds. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	86
36	Optical spectra of trivalent lanthanides in LiYF <sub>4</sub> crystal. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 412-418	3.3	48
35	Relativistic Calculations of Complete 4f <sub>n</sub> Energy Level Schemes of Free Trivalent Rare-Earth Ions. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 7488-7490	1.4	16
34	Calculations of Complete 4f <sub>n</sub> and 4f <sub>n</sub> -15d <sub>1</sub> Energy Level Schemes of Free Trivalent Rare-Earth Ions. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, L611-L613	1.4	26
33	First-principles analysis for the optical absorption spectra of metal ions in solids. <i>International Journal of Quantum Chemistry</i> , <b>2004</b> , 99, 488-494	2.1	5
32	First-principles analysis method for the f <sub>d</sub> transitions of heavy metal ions. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 374, 18-21	5.7	19
31	First-principles analysis method for the multiplet structures of rare-earth ions in solids. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 380, 136-140	5.7	16
30	First Principles Calculation of Fe L2,3-edge X-ray Absorption Near Edge Structures of Iron Oxides. <i>Materials Transactions</i> , <b>2004</b> , 45, 1414-1418	1.3	50
29	Many-electron calculation for the analysis of optical absorption spectra in Cr <sup>4+</sup> -doped solid-state laser crystals. <i>Advances in Quantum Chemistry</i> , <b>2003</b> , 42, 67-76	1.4	
28	Many-electron theory for electronic transition process Its importance in materials science. <i>Advances in Quantum Chemistry</i> , <b>2003</b> , 42, 1-22	1.4	6
27	First-principles analysis for the multiplet structures of tetrahedrally and octahedrally oxo-coordinated 3d <sup>2</sup> and 3d <sup>3</sup> transition metals. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 471-479	3.9	7
26	First-principles Calculation of Transition-metal L2,3-edge Electron-energy-loss Near-edge structures Based on Direct Diagonalization of the Many-electron Hamiltonian. <i>Materials Transactions</i> , <b>2002</b> , 43, 1435-1438	1.3	15
25	FIRST-PRINCIPLES CALCULATION OF MULTIPLETS OF TRANSITION-METAL IONS IN CRYSTALS BASED ON DENSITY FUNCTIONAL METHOD. <i>Recent Advances in Computational</i> , <b>2002</b> , 278-292		
24	First principles calculation of ELNES by LCAO methods. <i>Journal of Electron Microscopy</i> , <b>2002</b> , 51, S107-S112		3
23	Theoretical calculation for the multiplet structure of the tetrahedrally coordinated Cr <sup>4+</sup> in Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> . <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 492-508	3.9	28
22	Relativistic cluster calculation of ligand-field multiplet effects on cation L2,3 x-ray-absorption edges of SrTiO <sub>3</sub> , NiO, and CaF <sub>2</sub> . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	146

21	Multiplet structures of tetrahedrally coordinated Cr <sup>4+</sup> and Cr <sup>5+</sup> in Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> . <i>Applied Physics Letters</i> , <b>2001</b> , 78, 2154-2156	3.4	6
20	Theoretical calculation for the multiplet structures of tetrahedrally coordinated Cr <sup>4+</sup> in silicate crystals. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 5757-5784	1.8	13
19	Separation of the effects of charge transfer, covalency and electron correlations on the multiplet structure of ruby based on first-principles cluster calculations. <i>Advances in Quantum Chemistry</i> , <b>2000</b> , 37, 69-83	1.4	1
18	First-principles calculation for multiplet structure of emerald. <i>Advances in Quantum Chemistry</i> , <b>2000</b> , 37, 85-96	1.4	1
17	The effect of intrinsic trigonal distortion on the multiplet structures of ruby and emerald. <i>Advances in Quantum Chemistry</i> , <b>2000</b> , 37, 97-110	1.4	2
16	Calculation of multiplet structures of Cr <sup>3+</sup> and V <sup>3+</sup> in Al <sub>2</sub> O <sub>3</sub> based on a hybrid method of density-functional theory and the configuration interaction. <i>Physical Review B</i> , <b>2000</b> , 61, 143-161	3.3	70
15	Core-hole effects on theoretical electron-energy-loss near-edge structure and near-edge x-ray absorption fine structure of MgO. <i>Physical Review B</i> , <b>2000</b> , 61, 2180-2187	3.3	89
14	First-principles calculations of electron-energy-loss near-edge structure and near-edge x-ray-absorption fine structure of BN polytypes using model clusters. <i>Physical Review B</i> , <b>1999</b> , 60, 4944-4951	3.3	55
13	Localization effects in nuclear spin relaxation of a charge-transfer complex. <i>Synthetic Metals</i> , <b>1999</b> , 102, 1689-1690	3.6	
12	Calculation of Multiplet Structure of Ruby Using Explicit Effective Hamiltonian. <i>Materials Transactions, JIM</i> , <b>1999</b> , 40, 396-399		6
11	Theoretical Calculation for Multiplet Structure of Chromium Ion Pair in Ruby. <i>Materials Transactions, JIM</i> , <b>1999</b> , 40, 416-419		3
10	Cluster calculation of oxygen K-edge electron-energy-loss near-edge structure of NiO. <i>Physical Review B</i> , <b>1998</b> , 58, 9693-9696	3.3	25
9	Proton Spin Relaxation due to Localization in Weakly Disordered System of BO-C <sub>10</sub> TCNQ Complex. <i>Journal of the Physical Society of Japan</i> , <b>1998</b> , 67, 1556-1559	1.5	5
8	Analysis of Core-Hole Effect in Cation L <sub>2,3</sub> -Edge of MgO, Al <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> Based on DV-X $\alpha$ Cluster Calculations. <i>Advances in Quantum Chemistry</i> , <b>1998</b> , 441-466	1.4	4
7	A new highly conductive BO-(MeO) <sub>2</sub> TCNQ Langmuir-Blodgett film. <i>Synthetic Metals</i> , <b>1997</b> , 86, 1835-1836	3.6	
6	Percolation conduction in BO-C <sub>10</sub> TCNQ conductive Langmuir-Blodgett films. <i>Journal of Physics and Chemistry of Solids</i> , <b>1997</b> , 58, 39-49	3.9	15
5	A New Metallic Langmuir-Blodgett Film Formed with BO <sub>2</sub> -(MeO) <sub>2</sub> TCNQ, where BO is Bisethylenedioxytetrathiafulvalene and (MeO) <sub>2</sub> TCNQ is Dimethoxytetracyanoquinodimethane. <i>Japanese Journal of Applied Physics</i> , <b>1996</b> , 35, L571-L573	1.4	18
4	Structural study of the highly conductive tridecylmethylammonium-Au(dmit) <sub>2</sub> Langmuir-Blodgett films. <i>Synthetic Metals</i> , <b>1995</b> , 74, 251-255	3.6	16

3	Atomic Size Effect in the X-Ray Diffraction for Partially Disordered One-Dimensional Molecular Superlattice. <i>Journal of the Physical Society of Japan</i> , <b>1994</b> , 63, 4260-4261	1.5	1
2	High Resolution X-Ray Study on Anomalous Diffraction Peak Shift in Dimerized Langmuir-Blodgett Superlattice Films. <i>Journal of the Physical Society of Japan</i> , <b>1993</b> , 62, 3114-3126	1.5	2
1	Unusual X-Ray Diffraction Vector Shift Observed in Heterogeneous Langmuir-Blodgett Multilayer Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 247, 835		1