

Fumiyasu Oba

List of Publications by Year in descending order

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187
papers

14,430
citations

36203

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192
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192
docs citations

192
times ranked

14803
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles calculations of the ferroelastic transition between rutile-type and CaCl_2 type TiO_2 at high pressures. Physical Review B, 2008, 78, .	1.1	4,498
2	Defect energetics in ZnO: A hybrid Hartree-Fock density functional study. Physical Review B, 2008, 77, .	1.1	655
3	Band structure diagram paths based on crystallography. Computational Materials Science, 2017, 128, 140-184.	1.4	457
4	Energetics of native defects in ZnO. Journal of Applied Physics, 2001, 90, 824-828.	1.1	360
5	Electrostatics-based finite-size corrections for first-principles point defect calculations. Physical Review B, 2014, 89, .	1.1	320
6	Effect of MnO_2 Crystal Structure on Aerobic Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid. Journal of the American Chemical Society, 2019, 141, 890-900.	6.6	299
7	Point defects in ZnO: an approach from first principles. Science and Technology of Advanced Materials, 2011, 12, 034302.	2.8	279
8	First-principles calculations of native defects in tin monoxide. Physical Review B, 2006, 74, .	1.1	276
9	Band alignment of semiconductors from density-functional theory and many-body perturbation theory. Physical Review B, 2014, 90, .	1.1	271
10	Structures and energetics of Ga_2O_3 polymorphs. Journal of Physics Condensed Matter, 2007, 19, 346211.	0.7	253
11	Debye temperature and stiffness of carbon and boron nitride polymorphs from first principles calculations. Physical Review B, 2006, 73, .	1.1	218
12	First-principles approach to chemical diffusion of lithium atoms in a graphite intercalation compound. Physical Review B, 2008, 78, .	1.1	210
13	Discovery of earth-abundant nitride semiconductors by computational screening and high-pressure synthesis. Nature Communications, 2016, 7, 11962.	5.8	208
14	Lattice dynamics of the tin sulphides SnS_2 , SnS and Sn_2S_3 : vibrational spectra and thermal transport. Physical Chemistry Chemical Physics, 2017, 19, 12452-12465.	1.3	187
15	Ionization Potentials of Solids: The Importance of Vertex Corrections. Physical Review Letters, 2014, 112, 096401.	2.9	184
16	Carbon supersaturation due to paraequilibrium carburization: Stainless steels with greatly improved mechanical properties. Acta Materialia, 2006, 54, 1597-1606.	3.8	161
17	Intercalation and Push-Out Process with Spinel-Rocksalt Transition on Mg Insertion into Spinel Oxides in Magnesium Batteries. Advanced Science, 2015, 2, 1500072.	5.6	153
18	Structure and Stability of a Homologous Series of Tin Oxides. Physical Review Letters, 2008, 100, 045702.	2.9	146

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19	Electronic Structure and Defect Physics of Tin Sulfides: SnS, SnS and SnS_2 . Physical Review Applied, 2016, 10, 011001.	1.5	138
20	Shape Control in Epitaxial Electrodeposition: Cu ₂ O Nanocubes on InP(001). Chemistry of Materials, 2003, 15, 4882-4885.	3.2	115
21	Role of Ti Antisitelike Defects in SrTiO ₃ . Physical Review Letters, 2009, 103, 185502.	2.9	109
22	Design and exploration of semiconductors from first principles: A review of recent advances. Applied Physics Express, 2018, 11, 060101.	1.1	109
23	Antiferromagnetic superexchange via d states of titanium in EuTiO ₃ as seen from hybrid Hartree-Fock density functional calculations. Physical Review B, 2011, 83, 080401.	1.1	104
24	Theoretical Formation Energy of Oxygen-Vacancies in Oxides. Materials Transactions, 2002, 43, 1426-1429.	0.4	101
25	Core-hole effects on theoretical electron-energy-loss near-edge structure and near-edge x-ray absorption fine structure of MgO. Physical Review B, 2000, 61, 2180-2187.	1.1	98
26	Pressure-induced phase transition in ZnO and ZnO-MgO pseudobinary system: A first-principles lattice dynamics study. Physical Review B, 2005, 72, .	1.1	98
27	Room temperature ferromagnetism in Mn-doped β -Ga ₂ O ₃ with spinel structure. Applied Physics Letters, 2006, 89, 181903.	1.5	97
28	Structure, energy and solute segregation behaviour of [110] symmetric tilt grain boundaries in yttria-stabilized cubic zirconia. Philosophical Magazine, 2004, 84, 2381-2415.	0.7	96
29	Anti-ferrodistortive Like Oxygen Octahedron Rotation Induced by the Oxygen Vacancy in Cubic SrTiO ₃ . Advanced Materials, 2013, 25, 86-90.	11.1	94
30	Prediction of ground-state structures and order-disorder phase transitions in II-III spinel oxides: A combined cluster-expansion method and first-principles study. Physical Review B, 2006, 73, .	1.1	91
31	Comparison of approximations in density functional theory calculations: Energetics and structure of binary oxides. Physical Review B, 2017, 96, .	1.1	85
32	First-principles study of self-trapped holes and acceptor impurities in Ga ₂ O ₃ polymorphs. Physical Review Materials, 2019, 3, .	0.9	80
33	Epitaxial Electrodeposition of High-Aspect-Ratio Cu ₂ O(110) Nanostructures on InP(111). Chemistry of Materials, 2005, 17, 725-729.	3.2	74
34	Chemical and Lattice Stability of the Tin Sulfides. Journal of Physical Chemistry C, 2017, 121, 6446-6454.	1.5	73
35	Toward rocking-chair type Mg-Li dual-salt batteries. Journal of Materials Chemistry A, 2015, 3, 10188-10194.	5.2	72
36	of CuInSe ₂ and CuGaSe ₂ . CuInSe_2 and CuGaSe_2 . Journal of Physical Chemistry C, 2017, 121, 6446-6454.	1.1	70

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37	Atomic structures of supersaturated ZnO α -Al ₂ O ₃ solid solutions. Journal of Applied Physics, 2008, 103, 014309.	1.1	68
38	First-principles study of bulk ordering and surface segregation in Pt-Rh binary alloys. Physical Review B, 2006, 74, .	1.1	67
39	Transition pathway of C_{2O} crystals under high pressures. Physical Review B, 2008, 77, .	1.1	65
40	Hardness of cubic silicon nitride. Journal of Materials Research, 2002, 17, 731-733.	1.2	64
41	Epitaxial Growth of Cuprous Oxide Electrodeposited onto Semiconductor and Metal Substrates. Journal of the American Ceramic Society, 2005, 88, 253-270.	1.9	63
42	Atomic structure of [0001]-tilt grain boundaries in ZnO: a high-resolution TEM study of fiber-textured thin films. Physical Review B, 2004, 70, .	1.1	61
43	Doping of hexagonal boron nitride via intercalation: A theoretical prediction. Physical Review B, 2010, 81, .	1.1	61
44	Electronic and structural properties of the oxygen vacancy in BaTiO ₃ . Applied Physics Letters, 2011, 98, .	1.5	61
45	Band alignment of semiconductors and insulators using dielectric-dependent hybrid functionals: Toward high-throughput evaluation. Physical Review B, 2017, 95, .	1.1	59
46	Fast Diffusion of Multivalent Ions Facilitated by Concerted Interactions in Dual-Ion Battery Systems. Advanced Energy Materials, 2018, 8, 1801475.	10.2	59
47	Zinc-based spinel cathode materials for magnesium rechargeable batteries: toward the reversible spinel \leftrightarrow rocksalt transition. Journal of Materials Chemistry A, 2019, 7, 12225-12235.	5.2	59
48	First-principles study of native defects and lanthanum impurities in NaTaO ₃ . Physical Review B, 2008, 78, .	1.1	58
49	Native point defects and carbon clusters in 4H-SiC: A hybrid functional study. Journal of Applied Physics, 2019, 125, .	1.1	55
50	Crystal and Electronic Structure and Magnetic Properties of Divalent Europium Perovskite Oxides EuM ₃ O ₇ (M = Ti, Zr, and Hf): Experimental and First-Principles Approaches. Inorganic Chemistry, 2012, 51, 4560-4567.	1.9	54
51	²⁷ Al NMR Chemical Shifts in Oxide Crystals: A First-Principles Study. Journal of Physical Chemistry C, 2009, 113, 3869-3873.	1.5	53
52	Ab initio study of symmetric tilt boundaries in ZnO. Physical Review B, 2001, 63, .	1.1	52
53	First-Principles Calculations of Anion Vacancies in Oxides and Nitrides. Journal of the American Ceramic Society, 2002, 85, 68-74.	1.9	51
54	Metastable cubic tin sulfide: A novel phonon-stable chiral semiconductor. APL Materials, 2017, 5, 036101.	2.2	51

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55	Band offsets of CuInSe_2 and CuInS_2 and ZnS (110) interfaces: A hybrid density functional theory study. <i>Physical Review B</i> , 2013, 88, .	1.1	50
56	Heterogeneously Catalyzed Aerobic Oxidation of Sulfides with a BaRuO_3 Nanoperovskite. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23792-23801.	4.0	50
57	Epitaxial electrodeposition of Cu_2O films onto $\text{InP}(001)$. <i>Applied Physics Letters</i> , 2003, 83, 1944-1946.	1.5	49
58	Local environment of Mn dopant in ZnO by near-edge x-ray absorption fine structure analysis. <i>Applied Physics Letters</i> , 2005, 86, 121902.	1.5	49
59	First-principles study of point defects in chalcopyrite ZnSnP_2 . <i>Physical Review B</i> , 2014, 90, .	1.1	49
60	First-principles study of cation disordering in MgAl_2O_4 spinel with cluster expansion and Monte Carlo simulation. <i>Physical Review B</i> , 2006, 73, .	1.1	47
61	Native defects in oxide semiconductors: a density functional approach. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 384211.	0.7	47
62	Microstructure of Mn-doped Ga_2O_3 epitaxial film on sapphire (0001) with room temperature ferromagnetism. <i>Journal of Applied Physics</i> , 2007, 101, 063526.	1.1	46
63	Epitaxial growth of Mn-doped Ga_2O_3 on spinel substrate. <i>Journal of Materials Research</i> , 2011, 26, 578-583.	1.2	46
64	Defect chemistry of a BaZrO_3 (111) grain boundary by first principles calculations and space charge theory. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12339.	1.3	46
65	Screening procedure for structurally and electronically matched contact layers for high-performance solar cells: hybrid perovskites. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1149-1158.	2.7	45
66	General Rule for Displacive Phase Transitions in Perovskite Compounds Revisited by First Principles Calculations. <i>Physical Review Letters</i> , 2005, 94, 035502.	2.9	43
67	Coexistence of Mn^{2+} and Mn^{3+} in ferromagnetic GaMnN . <i>Journal of Physics Condensed Matter</i> , 2006, 18, 4615-4621.	0.7	43
68	Atomic Structure of Luminescent Centers in High-Efficiency Ce-doped w-AlN Single Crystal. <i>Scientific Reports</i> , 2014, 4, 3778.	1.6	43
69	Categorization of surface polarity from a crystallographic approach. <i>Computational Materials Science</i> , 2016, 113, 221-230.	1.4	43
70	Grain boundary dependency of nonlinear current-voltage characteristics in Pr and Co Doped ZnO Bicrystals. <i>Journal of Applied Physics</i> , 2004, 95, 1258-1264.	1.1	41
71	Strong Spin-Lattice Coupling Through Oxygen Octahedral Rotation in Divalent Europium Perovskites. <i>Advanced Functional Materials</i> , 2013, 23, 1864-1872.	7.8	41
72	Geometry and electronic structure of $[0001]_1/[11\bar{1}0]_2$ = 7 symmetric tilt boundary in ZnO. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2000, 80, 1567-1581.	0.8	40

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73	Atomic structure and solute segregation of a $\hat{\epsilon} = 3$, $[110]/\{111\}$ grain boundary in an yttria-stabilized cubic zirconia bicrystal. Philosophical Magazine Letters, 2002, 82, 393-400.	0.5	40
74	Functional Complex Point-Defect Structure in a Huge-Size-Mismatch System. Physical Review Letters, 2013, 110, 065504.	2.9	40
75	Theoretical Photovoltaic Conversion Efficiencies of ZnSnP_2 , CdSnP_2 , and $\text{Zn}_{1-x}\text{Cd}_x\text{SnP}_2$ Alloys. Applied Physics Express, 2013, 6, 061201.	1.1	39
76	Electron-energy-loss near edge structures of six-fold-coordinated Zn in MgO. Ultramicroscopy, 2001, 86, 363-370.	0.8	38
77	Classification of spinel structures based on first-principles cluster expansion analysis. Physical Review B, 2010, 81, .	1.1	38
78	Effects of crystal structure on Co- $L_{2,3}$ absorption near-edge structure and electron-energy-loss near-edge structure of trivalent cobalt oxides. Physical Review B, 2008, 77, .	1.1	37
79	First-principles-based phase diagram of the cubic BNC ternary system. Physical Review B, 2008, 77, .	1.1	36
80	Identification of native defects around grain boundary in Pr-doped ZnO bicrystal using electron energy loss spectroscopy and first-principles calculations. Applied Physics Letters, 2004, 84, 5311-5313.	1.5	35
81	Energetics and electronic structure of native point defects in Ga_2O_3 . Applied Physics Express, 2019, 12, 091001.	1.1	35
82	Electrically Benign Defect Behavior in Zinc Tin Nitride Revealed from First Principles. Physical Review Applied, 2018, 10, .	1.5	34
83	Current-Voltage Characteristics across (0001) Twist Boundaries in Zinc Oxide Bicrystals. Journal of the American Ceramic Society, 2002, 85, 2142-2144.	1.9	33
84	Point Defects and p -Type Doping in ScN from First Principles. Physical Review Applied, 2018, 9, .	1.5	33
85	Effective Doping in Cubic Si_3N_4 and Ge_3N_4 : A First-Principles Study. Journal of the American Ceramic Society, 2002, 85, 97-100.	1.9	32
86	Atomic and electronic structure of $[0001]_A/[111]_B$ symmetric tilt grain boundary in ZnO bicrystal with linear current-voltage characteristic. Journal of Materials Science, 2005, 40, 3059-3066.	1.7	32
87	First-principles calculations of the phase diagrams and band gaps in CuInSe_2 - CuGaSe_2 and CuInSe_2 - CuAlSe_2 pseudobinary systems. Physical Review B, 2012, 85, .	1.1	32
88	Finite-size corrections for defect-involving vertical transitions in supercell calculations. Physical Review B, 2020, 101, .	1.1	32
89	Band alignment at surfaces and heterointerfaces of Al_2O_3 and Ga_2O_3 . Physical Review Materials, 2019, 3, .	0.9	32
90	Arrangement of multiple structural units in a $[0001]_A/[111]_B$ tilt grain boundary in ZnO. Physical Review B, 2005, 72, .	1.1	31

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91	Ordering and segregation of aCu ₇₅ Pt ₂₅ (111) surface: A first-principles cluster expansion study. <i>Physical Review B</i> , 2007, 76, .	1.1	31
92	High- μ Mobility p-type and n-type Copper Nitride Semiconductors by Direct Nitriding Synthesis and In Silico Doping Design. <i>Advanced Materials</i> , 2018, 30, e1801968.	11.1	30
93	Theoretical Prediction of Post-spinel Phases of Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 2002, 85, 7-10.	1.9	29
94	Grain-boundary faceting at a = 3, [110]/{112} grain boundary in a cubic zirconia bicrystal. <i>Philosophical Magazine</i> , 2003, 83, 2221-2246.	0.7	28
95	Carrier-Induced Band-Gap Variation and Point Defects in $Zn_{1-x}Mn_xO$ from First Principles. <i>Physical Review Applied</i> , 2017, 8, .	1.8	28
96	Machine learning models for predicting the dielectric constants of oxides based on high-throughput first-principles calculations. <i>Physical Review Materials</i> , 2020, 4, .	0.9	27
97	Cluster calculation of oxygen K-edge electron-energy-loss near-edge structure of NiO. <i>Physical Review B</i> , 1998, 58, 9693-9696.	1.1	26
98	First-Principles Calculations of Migration Energy of Lithium Ions in Halides and Chalcogenides. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8258-8262.	1.2	26
99	Hybrid density functional study of oxygen vacancies in KTaO ₃ and NaTaO ₃ . <i>Physical Review B</i> , 2011, 83, .	1.1	26
100	Electronic Structure and Defect Chemistry of Tin(II) Complex Oxide SnNb ₂ O ₆ . <i>Journal of Physical Chemistry C</i> , 2016, 120, 9604-9611.	1.5	25
101	Insights into oxygen vacancies from high-throughput first-principles calculations. <i>Physical Review Materials</i> , 2021, 5, .	0.9	25
102	First-principles study of valence band offsets at ZnSnP ₂ /CdS, ZnSnP ₂ /ZnS, and related chalcopyrite/zincblende heterointerfaces. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	24
103	Effects of composition, crystal structure, and surface orientation on band alignment of divalent metal oxides: A first-principles study. <i>Physical Review Materials</i> , 2018, 2, .	0.9	24
104	Energetics and electronic structure of point defects associated with oxygen excess at a tilt boundary of ZnO. <i>Journal of Materials Research</i> , 2000, 15, 2167-2175.	1.2	23
105	Complex Structural Behavior of BiMn ₇ O ₁₂ Quadruple Perovskite. <i>Inorganic Chemistry</i> , 2017, 56, 12272-12281.	1.9	23
106	Direct Observation of Magnetization Reversal by Electric Field at Room Temperature in Co-Substituted Bismuth Ferrite Thin Film. <i>Nano Letters</i> , 2019, 19, 1767-1773.	4.5	23
107	Effect of Oxidation on Chemical Bonding around 3d Transition-Metal Impurities in ZnO. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 3569-3575.	0.8	22
108	n- and p-type dopants for cubic silicon nitride. <i>Applied Physics Letters</i> , 2001, 78, 1577-1579.	1.5	22

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109	Current-Voltage Characteristics of Cobalt-Doped Inversion Boundaries in Zinc Oxide Bicrystals. Journal of the American Ceramic Society, 2003, 86, 1616-1618.	1.9	22
110	Discovery of a Novel Sn(II)-Based Oxide SnMoO_4 for Daylight-Driven Photocatalysis. Advanced Science, 2017, 4, 1600246.	5.6	22
111	Theoretical exploration of mixed-anion antiperovskite semiconductors		

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127	Stabilization of small polarons in BaTiO_3 by local distortions. <i>Physical Review Materials</i> , 2019, 3, .	0.9	11
128	Non-linear current-voltage characteristics related to native defects in SrTiO_3 and ZnO bicrystals. <i>Science and Technology of Advanced Materials</i> , 2003, 4, 605-611.	2.8	12
129	Atomistic structure and energetics of interface between Mn-doped Ga_2O_3 and MgAl_2O_4 . <i>Journal of Materials Science</i> , 2011, 46, 4169-4175.	1.7	12
130	Coexisting Mechanisms for the Ferroelectric Phase Transition in $\text{Li}_2\text{SrNb}_2\text{O}_7$. <i>Chemistry of Materials</i> , 2021, 33, 1257-1264.	3.2	12
131	SrZn_2N_2 as a Solar Absorber: Theoretical Defect Chemistry and Synthesis by Metal Alloy Nitridation. <i>Chemistry of Materials</i> , 2021, 33, 2864-2870.	3.2	12
132	Valence Band Structure of ZnO (1010) Surface by Cluster Calculation. , 1999, 4, 69-80.		11
133	Phonon scattering limited mobility in the representative cubic perovskite semiconductors SrGeO_3 , BaSnO_3 , and SrTiO_3 . <i>Physical Review B</i> , 2019, 99, .	0.9	11
134	Current-Voltage Characteristics Across Small Angle Symmetric Tilt Boundaries in Nb-Doped SrTiO_3 Bicrystals. <i>Materials Transactions</i> , 2002, 43, 1537-1541.	0.4	10
135	Interfacial structures of Y123 and Nd123 films formed on $\text{MgO}(001)$ substrates by liquid phase epitaxy. <i>Journal of Materials Research</i> , 2004, 19, 2674-2682.	1.2	10
136	Local environment of silicon in cubic boron nitride. <i>Journal of Applied Physics</i> , 2013, 114, 233502.	1.1	10
137	Strain-engineered Peierls instability in layered perovskite La_3O_7 from first principles. <i>Physical Review Materials</i> , 2018, 2, .	0.9	10
138	One-dimensionally extended oxygen vacancy states in perovskite oxides. <i>Physical Review B</i> , 2019, 99, .	1.1	8
139	Surface reconstruction and band alignment of nonmetallic A_3O_3 Antiferroelectricity and robust dielectric response owing to competing polar and antipolar instabilities in tetragonal tungsten bronze $\text{K}_2\text{Nb}_2\text{O}_7$ ($\text{R}=\text{Nb}$)	0.9	8
140	Antiferroelectricity and robust dielectric response owing to competing polar and antipolar instabilities in tetragonal tungsten bronze $\text{K}_2\text{Nb}_2\text{O}_7$ ($\text{R}=\text{Nb}$)	0.9	8
141	The Role of Co Ions on the Appearance of Non-Linear I-V Characteristics of ZnO -Based Ceramics. <i>Key Engineering Materials</i> , 1999, 157-158, 249-256.	0.4	7
142	Thermodynamics and structures of oxide crystals by a systematic set of first principles calculations. <i>Journal of Materials Chemistry</i> , 2010, 20, 10335.	6.7	7
143	Perovskite-Type InCoO_3 with Low-Spin Co^{3+} : Effect of In-O Covalency on Structural Stabilization in Comparison with Rare-Earth Series. <i>Inorganic Chemistry</i> , 2017, 56, 11113-11122.	1.9	7
144	Spin-Glass Magnetic Properties of A-Site Columnar-Ordered Quadruple Perovskites $\text{Y}_2\text{MnGa}(\text{Mn}_{4-x}\text{Ga}_x)\text{O}_{12}$ with $0 \leq x \leq 3$. <i>Inorganic Chemistry</i> , 2019, 58, 14830-14841.	1.9	7

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145	Achieving non-degenerate Zn ₃ N ₂ thin films by near room temperature sputtering deposition. Applied Physics Letters, 2019, 115, .	1.5	7
146	Theoretical Prediction and Thin-Film Growth of the Defect-Tolerant Nitride Semiconductor YZn ₃ N ₃ . Chemistry of Materials, 2021, 33, 8205-8211. Point defects in <math>YZn_3N_3</math>	3.2	7
147	Point defects in <math>YZn_3N_3</math> -type transparent conductive YZn_3N_3 xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:math> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cu</mml:mi><mml:mi>M</mml:mi></mml:mrow></mml:math>		

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163	Epitaxial Growth and Characterization of Rocksalt ZnO Thin Films with Low-Level NiO Alloying. Japanese Journal of Applied Physics, 2011, 50, 075503.	0.8	3
164	Ground-state search in multicomponent magnetic systems. Physical Review B, 2012, 85, .	1.1	3
165	Ligancy-Driven Controlling of Covalency and Metallicity in a Ruthenium Two-Dimensional System. Chemistry of Materials, 2016, 28, 5784-5790.	3.2	3
166	Unraveling crystal symmetry and strain effects on electronic band structures of SiC polytypes. AIP Advances, 2020, 10, 105014.	0.6	3
167	Phase variation of ferroelectric $\langle mml:math$		

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181	First Principles Calculations of Advanced Nitrides, Oxides and Alloys. Key Engineering Materials, 2008, 403, 73-76.	0.4	0
182	First Principles Thermodynamics Calculations of Atomic Scale Modifications. Materia Japan, 2009, 48, 299-302.	0.1	0
183	Prediction of Fundamental Properties of Semiconductors and Materials Exploration Using First-Principles Calculations. Materia Japan, 2017, 56, 554-559.	0.1	0
184	Atomic Structure of Tilt Grain Boundaries in ZnO. Materia Japan, 2004, 43, 985-985.	0.1	0
185	Structure Units of σ Zirconia Grain Boundary. Materia Japan, 2006, 45, 842-842.	0.1	0
186	Complex Point Defect Structure in Cubic Boron Nitride. Materia Japan, 2016, 55, 609-609.	0.1	0
187	Grain-Boundary Atomic Structures in Zirconia Ceramics. Ceramic Engineering and Science Proceedings, 0, , 171-181.	0.1	0