Kohji Nakamura

List of Publications by Year
in descending order

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242	3,497	230014	214428
papers	citations	27 h-index	50 g-index

251	251	251	7286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystal orientation dependence of spin Hall angle in epitaxial Pt/FeNi systems. Applied Physics Letters, 2022, 120, .	1.5	4
2	Modification of the van der Waals interaction at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> and Ge(111) interface. Physical Review Materials, 2021, 5, .	2.9	4
3	Reaction of NO molecule at 4H-SiC/SiO2 interface: an ab initio study for the effect of NO annealing after dry oxidation. Japanese Journal of Applied Physics, 2021, 60, SBBD10.	0.8	2
4	Electric-field effect on magnetic moments in Co ultra-thin films deposited on Pt. Applied Physics Letters, 2021, 118, .	1.5	3
5	Effects of silicon doping on the chemical bonding states and properties of nitrogen-doped diamond-like carbon films by plasma-enhanced chemical vapor deposition. Thin Solid Films, 2021, 736, 138923.	0.8	10
6	Atomic-layer stacking dependence of the magnetocrystalline anisotropy in Fe-Co multilayer thin films at MgO(001) interface. Journal of Magnetism and Magnetic Materials, 2021, 537, 168175.	1.0	0
7	Equilibrium Morphologies of Faceted GaN under the Metalorganic Vaporâ€Phase Epitaxy Condition: Wulff Construction Using Absolute Surface Energies. Physica Status Solidi (B): Basic Research, 2020, 257, 1900523.	0.7	8
8	Ab initio study for adsorption-desorption behavior on InAs wetting layer surface grown on GaAs(001) substrate. Journal of Crystal Growth, 2020, 532, 125369.	0.7	2
9	Ab initio study for adsorption and desorption behavior at step edges of AlN(0001) and GaN(0001) surfaces. Japanese Journal of Applied Physics, 2020, 59, SGGK03.	0.8	9
10	Ab initio study for adsorption and desorption behavior at step edges of GaN(0001) surface. Journal of Crystal Growth, 2020, 532, 125410.	0.7	14
11	Engineering anisotropic magnetoresistance of Hall bars with interfacial organic layers. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 040602.	0.6	0
12	Orbital-dependent electric field effect on magnetism in ultrathin cobalt. Physical Review B, 2020, 102, .	1.1	3
13	Estimation of Muon Stopping Site in CoCr2O4 Using Density Functional Theory. IOP Conference Series: Materials Science and Engineering, 2020, 924, 012027.	0.3	1
14	Impact of Inter-site Spinâ€“Orbit Coupling on Perpendicular Magnetocrystalline Anisotropy in Cobalt-Based Thin Films. Journal of the Physical Society of Japan, 2020, 89, 114710.	0.7	2
15	Magnetization direction dependent spin Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> ferromagnets. Physical Review B, 2020, 102, .	1.1	20
16	Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. Physical Review Letters, 2020, 124, 161802.	2.9	13
17	Ab initio calculations for the effect of wet oxidation condition on the reaction mechanism at 4Hâ€“SiC/SiO₂ interface. Japanese Journal of Applied Physics, 2020, 59, SMMD01.	0.8	6
18	Effect of Step Edges on Adsorption Behavior for GaN(0001) Surfaces during Metalorganic Vapor Phase Epitaxy: An Ab Initio Study. Crystal Growth and Design, 2020, 20, 4358-4365.	1.4	8

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19	Giant Anomalous Hall Conductivity at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo><mml:mi>Cr</mml:mi></mml:math> ₂ O ₃ Interface. Physical Review Applied, 2020, 13, .	1.5	14
20	Maximum Separated Distribution with High Interpretability Found Using an Exhaustive Search Method â€"Application to Magnetocrystalline Anisotropy of Fe/Co Filmsâ€". Journal of the Physical Society of Japan, 2020, 89, 064802.	0.7	3
21	Effect of Film Thickness on Structural Stability for BAlN and BGaN Alloys: Bondâ€Order Interatomic Potential Calculations. Physica Status Solidi (B): Basic Research, 2020, 257, 2000205.	0.7	1
22	Electron correlation effects and magneto-optical properties of yttrium iron garnet. AIP Advances, 2020, 10, .	0.6	6
23	A Simple Approach to Growth Mode of InN and InGaN Thin Films on GaN(0001) Substrate. ECS Transactions, 2020, 98, 155-164.	0.3	2
24	First Principles Calculation of Optical Properties of Transition Metals for Surface Plasmon Resonance Application. E-Journal of Surface Science and Nanotechnology, 2020, 18, 133-138.	0.1	2
25	Effect of surface reconstructions on misfit dislocation formation in InAs/GaAs(001). Japanese Journal of Applied Physics, 2019, 58, SIIB25.	0.8	0
26	Plasmon Effect on the Coulomb Pseudopotential Î¼* in the McMillan Equation. Journal of the Physical Society of Japan, 2019, 88, 093703.	0.7	6
27	High- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma iron phosphide superconductivity enhanced by reemergent antiferromagnetic spin fluctuations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:msub><mml:mi>Sr</mml:m mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:. Physical Review B, 2019, 100, .	1.1	6
28	Growth mode in heteroepitaxial system from nano- and macro-theoretical viewpoints. Journal of Crystal Growth, 2019, 512, 41-46.	0.7	1
29	Absolute surface energies of semipolar planes of AlN during metalorganic vapor phase epitaxy growth. Journal of Crystal Growth, 2019, 510, 7-12.	0.7	9
30	Structural analysis of polarity inversion boundary in sputtered AlN films annealed under high temperatures. Japanese Journal of Applied Physics, 2019, 58, SCCB30.	0.8	13
31	Theoretical investigations on the structural stability and miscibility in BAlN and BGaN alloys: bond-order interatomic potential calculations. Japanese Journal of Applied Physics, 2019, 58, SCCB21.	0.8	7
32	Enhanced perpendicular magnetocrystalline anisotropy energy in an artificial magnetic material with bulk spin-momentum coupling. Physical Review B, 2019, 99, .	1.1	16
33	Thermodynamic analysis of semipolar GaN and AlN under metalorganic vapor phase epitaxy growth conditions. Japanese Journal of Applied Physics, 2019, 58, SC1014.	0.8	7
34	Theoretical investigations on the growth mode of GaN thin films on an AlN(0001) substrate. Japanese Journal of Applied Physics, 2019, 58, SC1009.	0.8	2
35	Effect of 4d and 5d Transition-Metal Insertions to Spin-Dependent Transports in Fe/MgO Superlattices. Journal of Electronic Materials, 2019, 48, 1380-1385.	1.0	0
36	An ab initio study for the formation of two-dimensional III-nitride compound ultrathin films: Effects of Ag(1â€¯1â€¯1) substrate. Journal of Crystal Growth, 2019, 511, 89-92.	0.7	6

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37	Spin Hall effect from hybridized <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi><mml:mo>’</mml:mo> orbitals. Physical Review B, 2019, 99, .	1.1	10
38	Effects of surface and twinning energies on twining-superlattice formation in group IIIâ€“V semiconductor nanowires: a first-principles study. Nanotechnology, 2019, 30, 234002.	1.3	6
39	Realization of honeycomb structures in octet A N B8â‘N binary compounds under two-dimensional limit. Applied Physics Express, 2019, 12, 125501.	1.1	4
40	Machine Learning Approach for Data Analysis of Magnetic Orbital Moments and Magnetocrystalline Anisotropy in Transition-Metal Thin Films on MgO(001). Journal of Electronic Materials, 2019, 48, 1319-1323.	1.0	4
41	Microscopic Investigation into the Electric Field Effect on Proximity-Induced Magnetism in Pt. Physical Review Letters, 2018, 120, 157203.	2.9	26
42	External electric field driven modification of the anomalous and spin Hall conductivities in Fe thin films on MgO(001). Physical Review B, 2018, 97, .	1.1	7
43	Symmetric and asymmetric exchange stiffnesses of transition-metal thin film interfaces in external electric field. Journal of Magnetism and Magnetic Materials, 2018, 457, 97-102.	1.0	4
44	Systematic Theoretical Investigations for Crystal Structure Deformation in Groupâ€III Nitrides: A Firstâ€Principles Study. Physica Status Solidi (B): Basic Research, 2018, 255, 1700446.	0.7	5
45	Theoretical Investigations for Strain Relaxation and Growth Mode of InAs Thin Layers on GaAs(110). Physica Status Solidi (B): Basic Research, 2018, 255, 1700241.	0.7	2
46	Structures and Polarity of IIIâ€Nitrides: Phase Diagram Calculations Using Absolute Surface and Interface Energies. Physica Status Solidi (B): Basic Research, 2018, 255, 1700329.	0.7	10
47	An Interpretation for Defect-Induced Structural Transformation in SiC. ECS Transactions, 2018, 86, 427-432.	0.3	0
48	Empirical interatomic potential approach to the stability of graphitic structure in BAlN and BGaN alloys. Journal of Crystal Growth, 2018, 504, 13-16.	0.7	8
49	Correlation of the Dzyaloshinskiiâ€“Moriya interaction with Heisenberg exchange and orbital asphericity. Nature Communications, 2018, 9, 1648.	5.8	60
50	Tunable inverse spin Hall effect in nanometer-thick platinum films by ionic gating. Nature Communications, 2018, 9, 3118.	5.8	52
51	Energy gap opening by crossing drop cast single-layer graphene nanoribbons. Nanotechnology, 2018, 29, 315705.	1.3	7
52	Effect of heavy-metal insertions at Fe/MgO interfaces on electric-field-induced modification of magnetocrystalline anisotropy. Journal of Magnetism and Magnetic Materials, 2017, 429, 214-220.	1.0	33
53	Theoretical investigations on the stability and electronic structures of two-dimensional group-IV ternary alloy monolayers. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, 04F103.	0.6	2
54	Ab initio-based approach to novel behavior in semiconductor hetero-epitaxial growth. Journal of Crystal Growth, 2017, 477, 12-18.	0.7	5

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55	Effects of atomic arrangements on electronic structures of threading dislocations in IIIâ€nitride alloy semiconductors: A firstâ€principles study. Physica Status Solidi (B): Basic Research, 2017, 254, 1600694.	0.7	2
56	Simultaneous achievement of high perpendicular exchange bias and low coercivity by controlling ferromagnetic/antiferromagnetic interfacial magnetic anisotropy. Journal of Applied Physics, 2017, 121, .	1.1	34
57	Interfacial Dzyaloshinskii-Moriya interaction and orbital magnetic moments of metallic multilayer films. AIP Advances, 2017, 7, .	0.6	15
58	Mechanism and electric field induced modification of magnetic exchange stiffness in transition metal thin films on MgO(001). Physical Review B, 2017, 96, .	1.1	9
59	Spatially Resolved Magnetic Anisotropy of Cobalt Nanostructures on the Au(111) Surface. Nano Letters, 2017, 17, 5843-5847.	4.5	8
60	Theoretical study for misfit dislocation formation at InAs/GaAs(001) interface. Journal of Crystal Growth, 2017, 468, 919-922.	0.7	7
61	Structures and stability of polar GaN thin films on ScAlMgO4 substrate: An ab initio-based study. Journal of Crystal Growth, 2017, 468, 93-96.	0.7	9
62	Systematic Theoretical Investigations of Polytypism in AlN. Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, 1700212.	0.8	0
63	Theoretical Investigations for Strain Relaxation and Growth Mode of InAs Thin layers on GaAs(111)A. Condensed Matter, 2016, 1, 4.	0.8	6
64	Role of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ï€</mml:mi><mml:mtext>â^’</mml:mtext><mml:mi>d</m hybridization in a 300-K organic-magnetic interface: Metal-free phthalocyanine single molecules on a bcc Fe(001) whisker. Physical Review B, 2016, 94, .	1.1	11
65	Search for the ground-state electronic configurations of correlated organometallic metallocenes from constraint density functional theory. Physical Review B, 2016, 94, .	1.1	11
66	Dirac fermions in a Fe ultrathin film. Physical Review B, 2015, 92, .	1.1	2
67	Ab Initio-Based Approach to Structural Change in InAs (001)-(2×3) Wetting Layer Surfaces during MBE Growth. E-Journal of Surface Science and Nanotechnology, 2015, 13, 190-194.	0.1	9
68	Systematic Theoretical Investigations on Surface Reconstruction and Adatom Kinetics on AlN Semipolar Surfaces. E-Journal of Surface Science and Nanotechnology, 2015, 13, 239-243.	0.1	9
69	Effects of Zn Doping on the Surface Structure and Initial Growth Processes of InP Thin Film Layers on InP(111)B Substrate. E-Journal of Surface Science and Nanotechnology, 2015, 13, 147-150.	0.1	2
70	First-principles calculations for initial oxidation processes of SiC surfaces: Effect of crystalline surface orientations. Japanese Journal of Applied Physics, 2015, 54, 101301.	0.8	8
71	Giant perpendicular magnetocrystalline anisotropy of 3d transition-metal thin films on MgO. Journal of Applied Physics, 2015, 117, 17C731.	1.1	4
72	Electric-Field-Induced Modification of the Magnon Energy, Exchange Interaction, and Curie Temperature of Transition-Metal Thin Films. Physical Review Letters, 2015, 114, 107202.	2.9	51

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73	Electronic configurations and magnetic anisotropy in organometallic metallocenes. Journal of Applied Physics, 2015, 117, 17E131.	1.1	9
74	Jahn-Teller driven perpendicular magnetocrystalline anisotropy in metastable ruthenium. Physical Review B, 2015, 91, .	1.1	21
75	First-principles investigations for oxidation reaction processes at 4H-SiC/SiO2 interface and its orientation dependence. Surface Science, 2015, 641, 174-179.	0.8	37
76	Microscopic crystalline structure of a thick AlN film grown on a trench-patterned AlN/Î±-Al2O3 template. Journal of Crystal Growth, 2015, 411, 38-44.	0.7	8
77	Electronic and Structural Investigations of Fe-Phthalocyanine Crystals. E-Journal of Surface Science and Nanotechnology, 2014, 12, 221-224.	0.1	2
78	Ab initio-Based Approach to N-pair Formation on GaAs(001)-(2Ã—4) Surfaces. E-Journal of Surface Science and Nanotechnology, 2014, 12, 6-10.	0.1	2
79	Theoretical Investigations for the Formation of InN/GaN(0001) Heterostructures. E-Journal of Surface Science and Nanotechnology, 2014, 12, 136-140.	0.1	3
80	Empirical interatomic potential approach to the stability of graphitic structure in A^NB^{8â^’}^Ncompounds. Japanese Journal of Applied Physics, 2014, 53, 110304.	0.8	4
81	Physical Review B<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi><mml:mo stretchy="false">a†’</mml:mo><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:msup><mml:mi>Ï€</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo stretchy="false">â†’</mml:mo><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo stretchy="false">	2.9	48
82	Electronic bands and excited states of III-V semiconductor polytypes with screened-exchange density functional calculations. Applied Physics Letters, 2014, 104, 132101.	1.5	3
83	Reduced-dimensionality-induced helimagnetism in iron nanoislands. Nature Communications, 2014, 5, 5183.	5.8	23
84	Electronic Structures and Induced-Hole Carriers of Covalent Semiconductors in External Electric Field. E-Journal of Surface Science and Nanotechnology, 2014, 12, 109-111.	0.1	1
85	Theoretical Study for Crystal Structure Deformation in A^NB⁸⁻^N Compounds. E-Journal of Surface Science and Nanotechnology, 2014, 12, 79-82.	0.1	5
86	Systematic Theoretical Investigations for Miscibility of GaN_xAs₁₋_{x-y}Bi_yThin Films. E-Journal of Surface Science and Nanotechnology, 2014, 12, 171-174.	0.1	0
87	Systematic Theoretical Investigations for Atomic Arrangements of GaN_xAs_{1-x} Nanowires Surrounded by Semiconductor Templates. E-Journal of Surface Science and Nanotechnology, 2014, 12, 45-48.	0.1	0
88	Doping Effects on Polytypism in Semiconductor Nanowires: A First-Principles Study. E-Journal of Surface Science and Nanotechnology, 2014, 12, 18-22.	0.1	0
89	Structural and Magnetic Stabilities of Fe Bilayers on Cu(111). E-Journal of Surface Science and Nanotechnology, 2014, 12, 102-104.	0.1	0
90	Theoretical investigation on temperature and pressure dependence of structural stability of InP thin layers grown on InP(111)A surface. Surface Science, 2013, 610, 16-21.	0.8	5

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91	Growth of side facets in InP nanowires: First-principles-based approach. Surface Science, 2013, 609, 207-214.	0.8	6
92	Atomic-Layer Alignment Tuning for Giant Perpendicular Magnetocrystalline Anisotropy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:math>Transition-Metal Thin Films. Physical Review Letters, 2013, 110, 267206.	2.9	29
93	Role of interfacial B impurity in the magnetocrystalline anisotropy at MgO/Fe interface. Journal of the Korean Physical Society, 2013, 63, 762-765.	0.3	3
94	Magneto-transport properties of Fe thin films in an external electric field. Journal of the Korean Physical Society, 2013, 63, 612-615.	0.3	1
95	Structural and elastic properties of the magnetic shape memory Ni2MnGa1â^'x In x alloy. Journal of the Korean Physical Society, 2013, 63, 329-332.	0.3	0
96	Magnetism and multiplets in Fe-phthalocyanine molecules. Journal of the Korean Physical Society, 2013, 63, 695-698.	0.3	1
97	Diffusion of carbon oxides in SiO2 during SiC oxidation: A first-principles study. Journal of Applied Physics, 2013, 113, .	1.1	1
98	Electric-field-driven hole carriers and superconductivity in diamond. Physical Review B, 2013, 87, .	1.1	10
99	Structural stability of Mn-doped GaInAs and GaInN alloys. Journal of Crystal Growth, 2013, 362, 324-326.	0.7	0
100	Structural stability and electronic properties in Al2O3â€“Cr2O3 mixed crystal. Journal of Crystal Growth, 2013, 362, 42-44.	0.7	10
101	Ab initio-based approach to elemental nitridation process of Î±-Al2O3. Journal of Crystal Growth, 2013, 362, 29-32.	0.7	4
102	Ab initio-based approach to elemental growth process on the InAs wetting layer grown on GaAs substrate. Journal of Crystal Growth, 2013, 362, 2-5.	0.7	6
103	A simple approach to the polytypism in SiC. Journal of Crystal Growth, 2013, 362, 207-210.	0.7	12
104	Ab initio-based approach to initial incorporation of Bi on |GaAs(001)-c(4Ã—4)Î± surface. Journal of Crystal Growth, 2013, 378, 21-24.	0.7	8
105	Ab initio-based approach to incorporation of N atoms on GaAs(001) surfaces. Journal of Crystal Growth, 2013, 378, 29-33.	0.7	4
106	Ab initio-based approach to novel behavior of InAs wetting layer surface grown on GaAs(001). Journal of Crystal Growth, 2013, 378, 13-16.	0.7	13
107	Magnetism and multiplets in metal-phthalocyanine molecules. Journal of Applied Physics, 2013, 113, 17E130.	1.1	13
108	Excited Cr impurity states in Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>from constraint density functional theory. Physical Review B, 2013, 87, .	1.1	21

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109	Systematic theoretical investigations for the polytypism in SiC. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 857-860.	0.8	6
110	Role of electronic structure on solubility of magnetic Mn impurity in GaInAs semiconductor alloys. Journal of the Magnetics Society of Japan, 2013, 37, 227-230.	0.5	0
111	Effects of Atomic Arrangements on Structural Stability and Electronic Structures of Twin Boundary Interfaces in CaCO₃ Calcite. Journal of Physical Chemistry C, 2012, 116, 987-993.	1.5	6
112	Stability of nitrogen incorporated Al2O3 surfaces: Formation of AlN layers by oxygen desorption. Surface Science, 2012, 606, 221-225.	0.8	5
113	Ab initio-based study for adatom kinetics on AlN(0001) surfaces during metal-organic vapor-phase epitaxy growth. Applied Physics Letters, 2012, 100, .	1.5	29
114	Theoretical investigations of the polytypism in silicon carbide: Contribution of the vacancy formation. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 583-585.	0.8	8
115	Two Cases of Diverticulitis in Patients With Williams Syndrome. International Surgery, 2011, 96, 64-68.	0.0	3
116	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $sqrt{s}=7mbox{~TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73
117	An ab initio-based approach to the adsorption behavior of In on InAs wetting layer grown on GaAs(001) substrate. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 245-247.	0.8	4
118	Empirical potential approach to the epitaxial relationship between AlN thin films and Si(001) substrates. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1569-1572.	0.8	0
119	Ab initio-based approach to adsorptionâ€“desorption behavior on the InAs(1 1 1)A heteroepitaxially grown on GaAs substrate. Journal of Crystal Growth, 2011, 318, 72-75.	0.7	9
120	Stability of hydrogen on nonpolar and semipolar nitride surfaces: Role of surface orientation. Journal of Crystal Growth, 2011, 318, 79-83.	0.7	40
121	Theoretical investigations for the polytypism in semiconductors. Journal of Crystal Growth, 2011, 318, 141-144.	0.7	12
122	Phase stability of Mn-doped GaInAs alloys. Journal of Crystal Growth, 2011, 318, 360-362.	0.7	3
123	Electric Field-Induced Modification of Magnetocrystalline Anisotropy in Transition-metal Films and at Metal-Insulator Interfaces. Journal of Magnetics, 2011, 16, 161-163.	0.2	6
124	Electric Field-Induced Magnetocrystalline Anisotropy at Transition-Metal Surfaces and Interfaces: First Principles Predictions. Journal of the Vacuum Society of Japan, 2011, 54, 507-511.	0.3	0
125	Ab initio-based approach to structural modulation on 4H-SiC(112Â¯0) during MBE growth. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2788-2791.	1.3	2
126	Electric field effects on magnetocrystalline anisotropy in ferromagnetic Fe monolayers. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1014-1017.	1.3	134

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127	Theoretical investigation on the structural stability of GaAs nanowires with two different types of facets. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2727-2730.	1.3	15
128	Ab initio-based approach to the reconstruction on InAs(111)A wetting layer grown on GaAs substrate. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2731-2734.	1.3	8
129	A first-principles surface phase diagram study for Si-adsorption processes on GaAs(111)A surfaces. Surface Science, 2010, 604, 171-174.	0.8	4
130	Theoretical investigations of polytypism in AlN thin films. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1431-1434.	0.8	1
131	Investigation of structural properties of high-rate deposited SiNxfilms prepared at low temperatures (100-300 Â°C) by atmospheric-pressure plasma CVD. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, NA-NA.	0.8	2
132	Band Alignment Tuning in Twin-Plane Superlattices of Semiconductor Nanowires. Nano Letters, 2010, 10, 4614-4618.	4.5	36
133	Influence of whipping temperature on the whipping properties and rheological characteristics of whipped cream. Journal of Dairy Science, 2010, 93, 2887-2895.	1.4	19
134	Ab Initio-based Monte Carlo Simulation Study for the Structural Stability of AlN Grown on 4H-SiC(11-20). E-Journal of Surface Science and Nanotechnology, 2010, 8, 52-56.	0.1	4
135	A case of fulminant amebic colitis with multiple large intestinal perforations. International Surgery, 2010, 95, 356-9.	0.0	7
136	Giant Modification of the Magnetocrystalline Anisotropy in Transition-Metal Monolayers by an External Electric Field. Physical Review Letters, 2009, 102, 187201.	2.9	324
137	Reconstructions of GaN and InN Semipolar (10ar1ar1) Surfaces. Japanese Journal of Applied Physics, 2009, 48, 100201.	0.8	18
138	Stability of Magnesium-Incorporated Semipolar GaN(10ar1ar1) Surfaces. Japanese Journal of Applied Physics, 2009, 48, 110202.	0.8	9
139	Ab initio-Based Study for Adatom Kinetics on Semipolar GaN(11ar22) Surfaces. Japanese Journal of Applied Physics, 2009, 48, 120218.	0.8	10
140	Surface Reconstructions on GaN and InN Semipolar (11ar22) Surfaces. Japanese Journal of Applied Physics, 2009, 48, 120201.	0.8	16
141	Role of spin-orbit coupling in spin-spiral structures in Fe monolayer on W(110): A first-principles noncollinear magnetism study. Journal of Applied Physics, 2009, 105, .	1.1	9
142	Systematic theoretical investigations for contribution of lattice constraint to novel atomic arrangements in alloy semiconductor thin films. Applied Surface Science, 2009, 256, 1218-1221.	3.1	5
143	Systematic theoretical investigation for adsorption behavior of Al and N atoms on 4Hâ€“SiC surfaces. Applied Surface Science, 2009, 256, 1160-1163.	3.1	4
144	Spin-spiral and domain wall structures in monolayer Fe/W(110). Applied Surface Science, 2009, 256, 1249-1251.	3.1	2

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145	Ab initio-based approach to structural change of compound semiconductor surfaces during MBE growth. Journal of Crystal Growth, 2009, 311, 698-701.	0.7	21
146	An ab initio-based approach to the stability of GaN(0001) surfaces under Ga-rich conditions. Journal of Crystal Growth, 2009, 311, 3093-3096.	0.7	14
147	Computational quantum magnetism: Role of noncollinear magnetism. Journal of Magnetism and Magnetic Materials, 2009, 321, 894-898.	1.0	5
148	An ab initio-based approach to adsorptionâ€“desorption behavior of Si adatoms on GaAs(111)Aâ€“(2Ã—2) surfaces. Applied Surface Science, 2009, 256, 1164-1167.	3.1	5
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