Gyaneshwar P Srivastava

List of Publications by Year
in descending order

242 papers	4,308 citations	136885 32 h-index	161767 54 g-index
247 all docs	247 docs citations	247 times ranked	2951 citing authors

#	Article	IF	Citations
1	Enhancement of high entropy oxide (La0.2Nd0.2Sm0.2Gd0.2Y0.2)2Zr2O7 mechanical and photocatalytic properties via Eu doping. Journal of Materials Science, 2022, 57, 7863.	1.7	3
2	Tunable Electronic Properties of Lateral Monolayer Transition Metal Dichalcogenide Superlattice Nanoribbons. Nanomaterials, 2021, 11, 534.	1.9	1
3	Study of synthesis and photocatalytic performance of the monoclinic/cubic heterophase junction of rare earth doped zirconia. Journal of Physics and Chemistry of Solids, 2021, 159, 110286.	1.9	6
4	First-principles calculations of physical properties and superconductivity of orthorhombic Mo2BC and Nb2BN. Journal of Applied Physics, 2021, 130, 153902.	1.1	3
5	Anharmonic, dimensionality and size effects in phonon transport (2017 J. Phys.: Condens. Matter 29) Tj ETQq1 1 0.784314 rgBT /Overl	0.7	6
6	First-principles calculations of physical properties and superconductivity of orthorhombic ScRuSi and ZrRhSi. Physical Review B, 2020, 102, .	1.1	0
7	Dirac and Weyl Semimetals in Sn_{1â^'x}In_xTe. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000362.	1.2	2
8	The effect of spinâ€“orbit interaction on superconductivity in the filled skutterudites MPt₄Ge₁₂(M=Ba, Sr and Th). Philosophical Magazine, 2020, 100, 2735-2758.	0.7	0
9	Atomic and electronic structures of Sn covered W(110) surface. European Physical Journal B, 2020, 93, 1.	0.6	3
10	Effect of interface density, quality and period on the lattice thermal conductivity of nanocomposite materials. Journal of Applied Physics, 2020, 127, .	1.1	3
11	Tunable Thermal Transport Characteristics of Nanocomposites. Nanomaterials, 2020, 10, 673.	1.9	2
12	Probing the electronâ€“phonon interaction in superconductivity for KSn2 using the Migdal-Eliashberg theory and linear-response theory. Philosophical Magazine Letters, 2020, 100, 33-54.	0.5	2
13	Physical properties of hexagonal BaPtAs with noncentrosymmetric SrPtSb-type and centrosymmetric YPtAs-type crystal structures: Effects of spin-orbit coupling. Physical Review B, 2019, 100, .	1.1	5
14	Investigating the normal state and superconducting state properties of orthorhombic and hexagonal ZrRuP: A first-principles study. Physical Review B, 2019, 100, .	1.1	14
15	Theoretical investigation of superconductivity in the non-centrosymmetric SrPtGe₃ and CaPtSi₃ compounds. Philosophical Magazine, 2019, 99, 198-223.	0.7	5
16	Mode confinement, interface mass-smudging, and sample length effects on phonon transport in thin nanocomposite superlattices. Journal of Physics Condensed Matter, 2019, 31, 055303.	0.7	4
17	Control of thermal conductivity with species mass in transition-metal dichalcogenides. Journal of Applied Physics, 2018, 123, .	1.1	7
18	Anisotropic Thermal Conduction in Transition Metal Dichalcogenide Nanocomposites with Rough Interfaces. Nanomaterials, 2018, 8, 1054.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Ab initio investigation of electron-phonon interaction in LaSn3 and CaSn3. Philosophical Magazine Letters, 2018, 98, 375-391.	0.5	3
20	Extension of the modified effective medium approach to nanocomposites with anisotropic thermal conductivities. Physical Review B, 2018, 98, .	1.1	5
21	Role of spin-orbit coupling in the physical properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>La</mml:mi><mml:msub><mml:mi>X</mml:mi><mml:mi> (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 657 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>X	1.1	11
22	Temperature-dependent Raman linewidths in transition-metal dichalcogenides. Physical Review B, 2018, 98, .	1.1	7
23	Physical properties of the body-centred tetragonal. Philosophical Magazine, 2017, 97, 1866-1883.	0.7	9
24	The effect of spin orbit interaction on the physical properties of LaTSi3 (T = Ir, Pd, and Rh): First-principles calculations. Journal of Applied Physics, 2017, 121, 193904.	1.1	7
25	Effects of spin-orbit coupling on the electron-phonon superconductivity in the cubic Laves-phase compounds <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaIr</mml:mi><mml:mn>2</mml:mn></mml:msub></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaRh</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2017, 96, .	1.1	19
26	Electronâ€“phonon interaction and superconductivity in the borocarbide superconductor. Philosophical Magazine, 2017, 97, 2669-2688.	0.7	8
27	Anharmonic, dimensionality and size effects in phonon transport. Journal of Physics Condensed Matter, 2017, 29, 505703.	0.7	12
28	Electron-phonon superconductivity in the filled skutterudites <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LaRu</mml:mi><mml:mn>4</mml:mn></mml mathvariant="normal">P</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow><mml:mo>,</mml:mo><mml:mo>Â</mml:mo> , and <mml:math xmlns:mml="http://www.w3.or. Physical Review B, 2017, 95, .	1.1	14
29	Electronâ€“phonon interaction and superconductivity in the. Philosophical Magazine, 2017, 97, 128-143.	0.7	3
30	First-principles investigation of superconductivity in the body-centred tetragonal. Philosophical Magazine, 2016, 96, 2059-2073.	0.7	11
31	Electron-phonon superconductivity in the ternary phosphides<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ba</mml:mi><mml:msub><mml:mi>M</mml:mi><mml mathvariant="normal">P</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math><mml:math		

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37	Tuning phonon properties in thermoelectric materials. Reports on Progress in Physics, 2015, 78, 026501.	8.1	18
38	A comparative ab initio study of superconductivity in the body centered tetragonal YC2 and LaC2. Journal of Applied Physics, 2015, 117, .	1.1	15
39	Three-phonon scattering processes and thermal conductivity in IV-chalocogenides. Journal of Physics Condensed Matter, 2015, 27, 335801.	0.7	5
40	A Theoretical study of the Thermoelectric Transport Coefficients of n-type PbTe. Materials Research Society Symposia Proceedings, 2014, 1661, 7.	0.1	0
41	Tuning phonon properties to enhance the thermoelectric figure of merit. , 2014, , .		1
42	Origin of superconductivity in layered centrosymmetric LaNiGa2. Applied Physics Letters, 2014, 104, .	1.5	4
43	Anharmonic effects in the thermoelectric properties of PbTe. Journal of Applied Physics, 2014, 116, .	1.1	10
44	Evolution of thermal properties from graphene to graphite. Applied Physics Letters, 2014, 104, 031903.	1.5	17
45	Effect of Tensile Strain on Thermal Properties of Graphene. Materials Research Society Symposia Proceedings, 2014, 1661, 1.	0.1	0
46	Theoretical examination of superconductivity in the cubic antiperovskite Cr3GaN under pressure. Journal of Applied Physics, 2013, 114, 053905.	1.1	10
47	Thinning down of thermal conductivity in ultrashort period superlattices. Physical Review B, 2013, 88, .	1.1	11
48	Thermoelectric properties of p-type (Bi2Te3)x(Sb2Te3)1â^'x single crystals doped with 3â€‰wt. % Te. Journal of Applied Physics, 2013, 113, .	1.1	20
49	Progressive structural and electronic properties of nano-structured carbon atomic chains. Journal of Applied Physics, 2013, 113, 193704.	1.1	5
50	Atomic and Electronic Structure of Multilayer Graphene on a Monolayer Hexagonal Boron Nitride. Materials Research Society Symposia Proceedings, 2013, 1549, 65-70.	0.1	0
51	Detailed Theoretical Investigation and Comparison of the Thermal Conductivities of n- and p-type Bi2Te3 Based Alloys. Materials Research Society Symposia Proceedings, 2013, 1543, 1.	0.1	0
52	Energy Band Gap Modification of Graphene Deposited on a Multilayer Hexagonal Boron Nitride Substrate. Materials Research Society Symposia Proceedings, 2012, 1407, 45.	0.1	1
53	The role of three-phonon Normal processes in the thermal conductivity of graphene. Materials Research Society Symposia Proceedings, 2012, 1404, 66.	0.1	0
54	A Detailed Theoretical Study of the Thermal Conductivity of Bi₂(Te_{0.85}Se_{0.15})₃ Single Crystals. Materials Research Society Symposia Proceedings, 2012, 1404, 60.	0.1	2

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55	Electrons, phonons and superconductivity in rocksalt and tungstenâ€“carbide phases of CrC. Journal of Physics Condensed Matter, 2012, 24, 455704.	0.7	19
56	Surface phonons on the NbC(001) and TaC(001) surfaces. Physical Review B, 2012, 85, .	1.1	9
57	Ab initioinvestigation of the electronic properties of graphene on InAs(111)A. Journal of Physics Condensed Matter, 2012, 24, 485004.	0.7	3
58	An Extensive Theoretical Study of the Phonon Conductivity and Thermoelectric Properties of SiGe Alloys. Materials Research Society Symposia Proceedings, 2012, 1404, 19.	0.1	1
59	Phonon conductivity in graphene. Journal of Applied Physics, 2012, 112, .	1.1	33
60	Phonons and superconductivity in the cubic perovskite Cr3RhN. Journal of Applied Physics, 2012, 112, .	1.1	15
61	Using steric constraints to template an organic array on Si(111)â€7â€‰Ã—â€‰7. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 647-652.	0.8	0
62	Atomic and electronic structure of rigid carbon atomic chains. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1738-1743.	0.8	2
63	Formation of nanoscale gold chain on a Si(110) surface: A density functional investigation. Journal of Applied Physics, 2011, 110, .	1.1	1
64	Theory of phonon conductivity of semiconductor superlattices. Materials Research Society Symposia Proceedings, 2011, 1347, 1.	0.1	0
65	Electronic structure, phonons, and electron-phonon interaction in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Mo</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msu Physical Review B, 2010, 82, .	1.1	17
66	Atomic and electronic structure of S-terminated GaAs(001) surface. Journal of Applied Physics, 2010, 108, 063713.	1.1	3
67	Phononic gaps in thin semiconductor superlattices. Journal of Applied Physics, 2010, 107, 043504.	1.1	12
68	Phonons and superconductivity in fcc and dhcp lanthanum. Physical Review B, 2010, 81, .	1.1	32
69	Theory of the lattice thermal conductivity in bulk and films of GaN. Physical Review B, 2010, 81, .	1.1	47
70	Ground state, phonon spectrum, and superconducting properties of the cubic inverse perovskiteSc3AlN. Physical Review B, 2010, 81, .	1.1	8
71	Atomic Theory Of Phononic Gaps In Nano-patterned Semiconductors. , 2009, , .		0
72	Ab initiocalculation of phonons for bulk TiC and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>TiC</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn>001</mml:mn Physical Review B, 2009, 80, .	1.1	16

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73	Tunability of the piezoelectric fields in strained III-V semiconductors. Applied Physics Letters, 2009, 95, 041912.	1.5	18
74	Anharmonic Lifetime of Phonons in Nanophononic Semiconductors. Materials Research Society Symposia Proceedings, 2009, 1172, 26.	0.1	0
75	Quantitative study of the enhancement of the thermal conductivity of AlN ceramics by nanoscale processing. Journal of Physics Condensed Matter, 2009, 21, 174207.	0.7	6
76	Anab initiostudy of electronic and structural properties of Mn in a GaAs environment. Journal of Physics Condensed Matter, 2009, 21, 485504.	0.7	5
77	Gradual changes in electronic properties from graphene to graphite: first-principles calculations. Journal of Physics Condensed Matter, 2009, 21, 495503.	0.7	7
78	Density-functional calculations for self-assembled Bi-nanolines on the InAs(100) surface. Journal of Applied Physics, 2009, 106, .	1.1	2
79	Theory of Thermal Conductivity of Micro- and Nano-structured Materials. Materials Research Society Symposia Proceedings, 2009, 1172, 83.	0.1	5
80	Theoretical modelling of surface phonons. Open Physics, 2009, 7, .	0.8	1
81	The anharmonic phonon decay rate in group-III nitrides. Journal of Physics Condensed Matter, 2009, 21, 174205.	0.7	19
82	Structural, elastic, electronic, and phonon properties of zinc-blende and wurtzite BeO. Journal of Applied Physics, 2009, 105, .	1.1	66
83	Electronic and phonon properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>B</mml:mtext><mml:mi>X</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn	1.1	30
84	Ground state, phonon spectrum, and superconducting properties of the nonoxide perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CdCNi</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:m Physical Review B, 2008, 78, .	1.1	23
85	Thermal conductivity of single crystal and ceramic AlN. Journal of Applied Physics, 2008, 103, .	1.1	43
86	Role of additives in enhancing the thermal conductivity of AlN ceramics. Journal Physics D: Applied Physics, 2008, 41, 185407.	1.3	11
87	Hypersonic Modes in Nanophononic Semiconductors. Physical Review Letters, 2008, 101, 105502.	2.9	33
88	Iron silicide wires patterned by Bi nanolines on the H/Si(001) surface: Spin density functional calculations. Physical Review B, 2008, 78, .	1.1	6
89	Structure of theGaP(001)â˜'4Ã—2-Insurface investigated with LEED, STM, photoelectron spectroscopy, andab initiocalculations. Physical Review B, 2008, 78, .	1.1	2
90	Quenching of local magnetic moment in oxygen adsorbed graphene nanoribbons. Journal of Chemical Physics, 2008, 128, 201101.	1.2	29

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91	Ab initio investigations of the phonon anomaly and superconductivity in fcc La. Journal of Applied Physics, 2008, 104, 063916.	1.1	5
92	Structure, Electronic Properties and Zone Centre Phonon Modes on the BeS(110) Surface. AIP Conference Proceedings, 2007, , .	0.3	0
93	Ab initio Determination of Structural and Dynamical Properties of Mg2Sn. AIP Conference Proceedings, 2007, , .	0.3	2
94	Phonon spectrum and density of states on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Ga</mml:mi><mml:mi mathvariant="normal">As</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>001</mml:mn><mml:mo>)</mml:mo></mml:mrow> Physical Review B, 2007, 76, .	1.1	1
95	Electronic, elastic and phonon properties of the rock-salt LaSb and YSb. Journal of Physics Condensed Matter, 2007, 19, 156207.	0.7	30
96	Ab initioinvestigations of phonon anomalies and superconductivity in the rock-salt YS. Philosophical Magazine, 2007, 87, 4109-4118.	0.7	5
97	Temperature dependence of the thermal conductivity of different forms of diamond. Journal of Applied Physics, 2007, 101, 123507.	1.1	32
98	Structural and electronic properties of zinc blende BeTe and ist (110) surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 595-597.	0.8	0
99	Ground state properties of zinc-blende and wurtzite phases of MgS. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 598-600.	0.8	0
100	Reply to Comment on â€˜Bi nanolines on Si(001): registry with the substrateâ€™. Nanotechnology, 2006, 17, 1803-1805.	1.3	3
101	First-principles studies of ground-state and dynamical properties of MgS, MgSe, and MgTe in the rocksalt, zinc blende, wurtzite, and nickel arsenide phases. Physical Review B, 2006, 73, .	1.1	114
102	Specific heat calculations of III-N bulk materials. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1495-1498.	0.8	19
103	Surface morphology effects on the optical phonon modes in InAsxSb1â€“x epilayers on GaAs(001). Physica Status Solidi (B): Basic Research, 2006, 243, R19-R21.	0.7	8
104	Theoretical examination of whether phonon dispersion inNb3Snis anomalous. Physical Review B, 2006, 74, .	1.1	11
105	Energetic stability, equilibrium geometry, and electronic properties of Bi-inducedSi(001)â˜(2Ã—n)surfaces. Physical Review B, 2006, 74, .	1.1	8
106	Lattice dynamics of silicon nanostructures. Nanotechnology, 2006, 17, 3288-3298.	1.3	25
107	Electronic structure, phonons and electronâ€“phonon interaction in MgXNi3(X = B, C and N). Journal of Physics Condensed Matter, 2006, 18, 11089-11101.	0.7	29
108	Ab initiocalculation of the ground-state properties of CoSi2. Journal of Physics Condensed Matter, 2005, 17, 7127-7132.	0.7	7

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109	Atomic vibrations on theÎ±â^'Sn(001)(2Ã—1)surface investigated by a linear response scheme and an adiabatic bond-charge model. Physical Review B, 2005, 72, .	1.1	3
110	Lattice dynamics of ultrasmall silicon nanostructures. Applied Physics Letters, 2005, 87, 231906.	1.5	16
111	Ab initio surface reaction energetics of SiH4 and Si2H6 on Si(001)-(2Ã—2). Journal of Chemical Physics, 2005, 123, 174703.	1.2	22
112	The equilibrium geometry and electronic structure of Bi nanolines on clean and hydrogenated Si(001) surfaces. Nanotechnology, 2005, 16, 2427-2435.	1.3	24
113	Structural and dynamical properties of zinc-blende GaN, AlN, BN, and their (110) surfaces. Physical Review B, 2005, 71, .	1.1	49
114	The electronic properties of Si(001)â€"Bi(2 Ã— n). Journal of Physics Condensed Matter, 2005, 17, 571-580.	0.7	11
115	STM images and energetics of the bi-covered (<FONT FACE=Symbol>Ã—3 Ã— <FONT) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	7
116	Adsorption of C2H2-C2O3 on Si(001). Brazilian Journal of Physics, 2004, 34, 563-564.	0.7	0
117	Electronic structure of a stepped semiconductor surface: Density functional theory ofSi(114)â^'(2Ã—1). Physical Review B, 2004, 69, .	1.1	10
118	First-principles studies of structural, electronic, and dynamical properties ofBechalcogenides. Physical Review B, 2004, 70, .	1.1	95
119	First-principles study of electronic and dynamical properties of AuAl2. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3027-3030.	0.8	10
120	Geometry and phonon structure of the SiC(110) surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3023-3026.	0.8	3
121	Ab initio determination of structural and dynamical properties of the InP(110)-S interface. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3035-3038.	0.8	0
122	Structural and dynamical properties of the Ge(001)/Sb(2Ã—1) surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3031-3034.	0.8	1
123	The lattice dynamics of rectangular silicon nanowires. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2617-2620.	0.8	5
124	Bi covered Si(111) surface revisited. Journal of Physics Condensed Matter, 2003, 15, 2441-2447.	0.7	33
125	Adsorption of Te on Ge(001): Density-functional calculations. Physical Review B, 2003, 67, .	1.1	5
126	Structural, electronic, and dynamical properties of Si(110) capped with a monolayer of GaAs. Physical Review B, 2002, 66, .	1.1	3

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127	Self-organized Bi lines on the Si(001) surface:â€ƒA theoretical study. Physical Review B, 2002, 66, .	1.1	18
128	Phonons on GaN(110). Applied Physics Letters, 2002, 80, 3322-3324.	1.5	1
129	Lifetime of nonequilibrium zone-center longitudinal optical phonons in zinc-blende materials. Applied Physics Letters, 2002, 81, 3395-3397.	1.5	18
130	Theory of Thermal Conduction in Nonmetals. MRS Bulletin, 2001, 26, 445-450.	1.7	16
131	Effect of hydrogenation on the adsorption ofGeonSi(001). Physical Review B, 2001, 64, .	1.1	4
132	Electronic and vibrational properties of the As:InP(110) and Sb:InP(110) surfaces. Physical Review B, 2001, 65, .	1.1	3
133	A comparative study of dissociative adsorption of NH3, PH3, and AsH3 on Si(001)â€“(2Ã—1). Journal of Chemical Physics, 2001, 114, 9549-9556.	1.2	51
134	Theoretical studies of the initial stages of Zn adsorption onGaAs(001)â^'(2Ã—4). Physical Review B, 2000, 62, 13623-13630.	1.1	19
135	Dissociative adsorption ofSi2H6on the Si(001) surface. Physical Review B, 2000, 61, 10216-10222.	1.1	34
136	Structure of Zn adsorption on GaAs(001)-(2Ã—4). Applied Physics Letters, 2000, 76, 3735-3737.	1.5	4
137	Structure and electronic states ofInAs(001)â^'(2Ã—4)surfaces. Physical Review B, 2000, 62, 15778-15787.	1.1	30
138	Ab initioinvestigation of Bi-covered GaSb(110) surfaces. Physical Review B, 2000, 61, 2688-2698.	1.1	10
139	Phonons in zinc-blende and wurtzite phases of GaN, AlN, and BN with the adiabatic bond-charge model. Physical Review B, 2000, 62, 5028-5035.	1.1	56
140	Phonons on II-VI (110) semiconductor surfaces. Physical Review B, 2000, 62, 15797-15805.	1.1	12
141	Role of generalized-gradient approximation in structural and electronic properties of bulk and surface of$\hat{1}^2$-GaN and GaAs. Physical Review B, 1999, 59, 3008-3014.	1.1	24
142	Atomic geometry, electronic structure, and vibrational properties of the AlSb(110) and GaSb(110) surfaces. Physical Review B, 1999, 59, 4925-4932.	1.1	18
143	Adsorption of partially and fully dissociatedH2Smolecules on the Si(001) and Ge(001) surfaces. Physical Review B, 1999, 60, 5497-5505.	1.1	25
144	Characterization of theGe(001)/Siâ^'(2Ã—1)surface using lattice dynamics. Physical Review B, 1999, 60, 10648-10651.	1.1	0

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145	Dimer length variation for different reconstructions of Si, Ge, and mixed Si-Ge dimers on Si(001) and Ge(001) substrates. Physical Review B, 1999, 60, 1488-1491.	1.1	38
146	Electronic-structure calculations of self-organized PbS-Bi2S3â^'(Ag2S)(113) twinning superlattices. Physical Review B, 1998, 57, 4557-4565.	1.1	1
147	Atomic Structure of a Monolayer of Ge on Si(001)(2 Ã— 1). Surface Review and Letters, 1998, 05, 97-100.	0.5	3
148	Atomic vibrations in thin [111] superlattices. Journal of Physics Condensed Matter, 1998, 10, 2829-2843.	0.7	0
149	Comparativeab initiopseudopotential studies of group V overlayers on Si(001). Journal of Physics Condensed Matter, 1998, 10, 7751-7768.	0.7	17
150	Calculation of phonon dispersion on the ZnSe(110) surface. Physical Review B, 1998, 57, 3791-3794.	1.1	6
151	Structure and energetics of segregated and nonsegregated Ge(001)/Si(2Ã—1). Physical Review B, 1998, 57, 8794-8796.	1.1	20
152	Vibrational properties of Ge- and Sb-adsorbed Si(001) surfaces. Physical Review B, 1998, 58, 10754-10760.	1.1	7
153	Ab initiostudy of atomic geometry, electronic states, and bonding for H2S adsorption on III-V semiconductor (110)-(1Ã—1)surfaces. Physical Review B, 1998, 57, 4486-4492.	1.1	15
154	Dissociative adsorption ofNH3onSi(001)â^'(2Ã—1). Physical Review B, 1998, 58, 7944-7949.	1.1	40
155	Atomic geometry, electronic structure, and vibrational properties of the Ge(001)(2Ã—1) surface. Physical Review B, 1998, 57, 4649-4655.	1.1	25
156	Coupling-constant dependence of the density functional correlation energy. Journal of Chemical Physics, 1998, 109, 5212-5220.	1.2	22
157	Structure and stability of the Si(001)c(4Ã—4)-Sb surface. Physical Review B, 1998, 57, R12701-R12704.	1.1	28
158	Adsorption and desorption of S on and off Si(001) studied by ab initio density functional theory. Journal of Applied Physics, 1998, 84, 6070-6075.	1.1	16
159	Atomic Structure of the GaAs(001)-Î²2(2 Ã— 4) Surface. Surface Review and Letters, 1998, 05, 219-222.	0.5	5
160	Atomic vibrations in thin [111] (GaAs)n(A1As)n superlattices. Journal of Physics Condensed Matter, 1998, 10, 7701-7701.	0.7	0
161	Electronic structure of natural self-organized PbS-Bi2S3twinning superlattices. Physical Review B, 1997, 55, 9286-9289.	1.1	7
162	In-plane magnetic field studies of InAs/GaSb superlattices. Physical Review B, 1997, 55, 5177-5183.	1.1	2

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163	Comparative study of Sb bonding on group-IV semiconductor (001) substrates. Physical Review B, 1997, 56, 9221-9223.	1.1	22
164	Atomic vibrations in thin(GaAs)n(AlAs)nsuperlattices. Physical Review B, 1997, 56, 13387-13392.	1.1	6
165	Calculation of atomic geometry, electronic states, and bonding for the S-deposited InP(110) surface. Physical Review B, 1997, 56, 1928-1935.	1.1	6
166	Theory of semiconductor surface reconstruction. Reports on Progress in Physics, 1997, 60, 561-613.	8.1	134
167	Theoretical studies of atomic vibrations on theSi(001)(2Ã—1)surface. Physical Review B, 1997, 56, 4656-4664.	1.1	41
168	Theoretical evidence concerning mixed dimer growth on the surface. Journal of Physics Condensed Matter, 1996, 8, 6641-6651.	0.7	50
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