Huynh Vinh Phuc

List of Publications by Year
in descending order

152 papers	3,595 citations	136940 32 h-index	189881 50 g-index
152 all docs	152 docs citations	152 times ranked	1683 citing authors

#	Article	IF	Citations
1	Structural, electronic, and transport properties of Janus GaInX ₂ (X = S, Se, Te) monolayers: first-principles study. Journal of Physics Condensed Matter, 2022, 34, 045501.	1.8	5
2	Structural, electronic, and transport properties of quintuple atomic Janus monolayers <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Ga</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:r mathvariant="normal">S</mml:mi><mml:msub><mml:mi>X</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 692 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:r	3.2	40
3	Novel Janus GaInX₃ (X = S, Se, Te) single-layers: first-principles prediction on structural, electronic, and transport properties. RSC Advances, 2022, 12, 7973-7979.	3.6	10
4	Theoretical prediction of Janus PdXO (X = S, Se, Te) monolayers: structural, electronic, and transport properties. RSC Advances, 2022, 12, 12971-12977.	3.6	2
5	Magneto-optical absorption properties of topological insulator thin films. Journal of Physics Condensed Matter, 2022, 34, 305702.	1.8	2
6	Rashba-type spin splitting and transport properties of novel Janus XWGeN₂ (X = O, S, Se,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.8	18
7	Magneto-optical properties of gapped-graphene. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 144, 115415.	2.7	2
8	Structural, elastic, and electronic properties of chemically functionalized boron phosphide monolayer. RSC Advances, 2021, 11, 8552-8558.	3.6	18
9	Outstanding elastic, electronic, transport and optical properties of a novel layered material C₄F₂: first-principles study. RSC Advances, 2021, 11, 23280-23287.	3.6	11
10	Theoretical prediction of electronic, transport, optical, and thermoelectric properties of Janus monolayers <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>In</mml:mi><mml:mn>2</mml:mn></mml:n		

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19	Quantum magnetotransport properties of silicene: Influence of the acoustic phonon correction. Physical Review B, 2021, 104, .	3.2	6
20	Oxygenation of Janus group III monochalcogenides: First-principles insights into <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>GaIn</mml:mi><mml:mi>X</mml:mi><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math> (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (xmlns:mml= 2021, 104, .	3.2	37
21	A theoretical study on elastic, electronic, transport, optical and thermoelectric properties of Janus SnSO monolayer. Journal Physics D: Applied Physics, 2021, 54, 475306.	2.8	7
22	Anisotropy of effective masses induced by strain in Janus MoSSe and WSSe monolayers. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114826.	2.7	7
23	Power loss of hot Dirac fermions in silicene and its near equivalence with graphene. Semiconductor Science and Technology, 2021, 36, 025005.	2.0	4
24	First-principles insights onto structural, electronic and optical properties of Janus monolayers CrXO (X = S, Se, Te). RSC Advances, 2021, 11, 39672-39679.	3.6	4
25	Strain-tunable electronic and optical properties of monolayer GeSe: Promising for photocatalytic water splitting applications. Chemical Physics, 2020, 529, 110543.	1.9	60
26	Computational understanding of the band alignment engineering in PbI2/PtS2 heterostructure: Effects of electric field and vertical strain. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 115, 113706.	2.7	6
27	Strain effects on the electronic and optical properties of Van der Waals heterostructure MoS2/WS2: A first-principles study. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 116, 113799.	2.7	26
28	Tuning the electronic, photocatalytic and optical properties of hydrogenated InN monolayer by biaxial strain and electric field. Chemical Physics, 2020, 532, 110677.	1.9	10
29	Graphene/WSeTe van der Waals heterostructure: Controllable electronic properties and Schottky barrier via interlayer coupling and electric field. Applied Surface Science, 2020, 507, 145036.	6.1	133
30	Surface functionalization of GeC monolayer with F and Cl: Electronic and optical properties. Superlattices and Microstructures, 2020, 137, 106359.	3.1	26
31	Electronic, optical and photocatalytic properties of fully hydrogenated GeC monolayer. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113857.	2.7	16
32	Janus monolayer PtSSe under external electric field and strain: A first principles study on electronic structure and optical properties. Superlattices and Microstructures, 2020, 147, 106683.	3.1	69
33	Strain engineering of the electro-optical and photocatalytic properties of single-layered Janus MoSSe: First principles calculations. Optik, 2020, 224, 165503.	2.9	8
34	Electronic structure and band alignment of Blue Phosphorene/Janus ZrSSe heterostructure: A first principles study. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114369.	2.7	4
35	Interfacial characteristics, Schottky contact, and optical performance of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>graphene</mml:mi><mml:mo>/</mml:mo><mml:msub><mml:mrow mathvariant="normal">S</mml:mi><mml:mi>Se</mml:mi></mml:math> van der Waals heterostructure: Strain engineering and electric field tunability. Physical Review B, 2020, 102, .	3.2	100
36	Electronic structures, and optical and photocatalytic properties of the BPâ€“BSe van der Waals heterostructures. New Journal of Chemistry, 2020, 44, 14964-14969.	2.8	11

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37	Low-energy bands, optical properties, and spin/valley-Hall conductivity of silicene and germanene. Journal of Materials Science, 2020, 55, 14848-14857.	3.7	10
38	First principles study of structural, optoelectronic and photocatalytic properties of SnS, SnSe monolayers and their van der Waals heterostructure. Chemical Physics, 2020, 539, 110939.	1.9	18
39	Janus Ga2STe monolayer under strain and electric field: Theoretical prediction of electronic and optical properties. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114358.	2.7	18
40	Electronic and photocatalytic properties of two-dimensional boron phosphide/SiC van der Waals heterostructure with direct type-II band alignment: a first principles study. RSC Advances, 2020, 10, 32027-32033.	3.6	18
41	Type-I band alignment of BXâ€“ZnO (X = As, P) van der Waals heterostructures as high-efficiency water splitting photocatalysts: a first-principles study. RSC Advances, 2020, 10, 44545-44550.	3.6	25
42	Electronic and optical properties of a Janus SnSSe monolayer: effects of strain and electric field. Physical Chemistry Chemical Physics, 2020, 22, 11637-11643.	2.8	77
43	Magneto-optical absorption in silicene and germanene induced by electric and Zeeman fields. Physical Review B, 2020, 101, .	3.2	25
44	Intra- and inter-band magneto-optical absorption in monolayer WS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e213" altimg="si5.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114315.	2.7	4
45	Pyramidal core-shell quantum dot under applied electric and magnetic fields. Scientific Reports, 2020, 10, 8961.	3.3	29
46	Interlayer coupling and electric field controllable Schottky barriers and contact types in graphene/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PbI</mml:mi><mml:mn>2</mml:mn></mml:msub></mml heterostructures. Physical Review B, 2020, 101, .	3.2	76
47	Low-energy bands and optical properties of monolayer WS2. Optik, 2020, 209, 164581.	2.9	4
48	First-principles prediction of chemically functionalized InN monolayers: electronic and optical properties. RSC Advances, 2020, 10, 10731-10739.	3.6	13
49	Effects of electric field and strain engineering on the electronic properties, band alignment and enhanced optical properties of ZnO/Janus ZrSSe heterostructures. RSC Advances, 2020, 10, 9824-9832.	3.6	15
50	Effects of different surface functionalization on the electronic properties and contact types of graphene/functionalized-GeC van der Waals heterostructures. Physical Chemistry Chemical Physics, 2020, 22, 7952-7961.	2.8	29
51	Electronic structure, optoelectronic properties and enhanced photocatalytic response of GaNâ€“GeC van der Waals heterostructures: a first principles study. RSC Advances, 2020, 10, 24127-24133.	3.6	28
52	Computational prediction of electronic and optical properties of Janus Ga₂SeTe monolayer. Journal Physics D: Applied Physics, 2020, 53, 455302.	2.8	39
53	Stacking and electric field effects on the band alignment and electronic properties of the GeC/GaSe heterostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 120, 114050.	2.7	15
54	The characteristics of defective ZrS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1160" altimg="si64.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> monolayers adsorbed various gases on S-vacancies: A first-principles study. Superlattices and Microstructures, 2020, 140, 106454.	3.1	19

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55	Electronic structure and optical performance of PbI2/SnSe2 heterostructure. Chemical Physics, 2020, 533, 110736.	1.9	7
56	Computational insights into structural, electronic and optical characteristics of GeC/C₂N van der Waals heterostructures: effects of strain engineering and electric field. RSC Advances, 2020, 10, 2967-2974.	3.6	12
57	Magneto-optical transport properties of monolayer transition metal dichalcogenides. Physical Review B, 2020, 101, .	3.2	69
58	Stark and Zeeman effects on the topological phase and transport properties of topological crystalline insulator thin films. Physical Chemistry Chemical Physics, 2020, 22, 12129-12139.	2.8	0
59	Effects of charged impurity scattering and substrate on the magneto-optical absorption properties in gapped monolayer graphene. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 121, 114149.	2.7	0
60	Understanding the electronic properties, contact types and optical performances in graphene/InN heterostructure: Role of electric gating. Diamond and Related Materials, 2020, 106, 107851.	3.9	12
61	Theoretical prediction of electronic and optical properties of haft-hydrogenated InN monolayers. Superlattices and Microstructures, 2020, 142, 106519.	3.1	5
62	Magneto-optical absorption in PÃ¶schlâ€"Teller-like quantum well. Physica B: Condensed Matter, 2020, 592, 412279.	2.7	4
63	Electrical and thermal properties of strain- and electric field-induced topological crystalline insulators. Chemical Physics, 2020, 536, 110845.	1.9	0
64	Strain and electric field engineering of band alignment in InSe/Ca(OH)2 heterostructure. Chemical Physics Letters, 2019, 732, 136649.	2.6	5
65	Strain and electric field engineering of electronic structures and Schottky contact of layered graphene/Ca(OH)2 heterostructure. Superlattices and Microstructures, 2019, 133, 106185.	3.1	3
66	Electric field tuning of dynamical dielectric function in phosphorene. Chemical Physics Letters, 2019, 731, 136606.	2.6	2
67	Tunable electronic properties of InSe by biaxial strain: from bulk to single-layer. Materials Research Express, 2019, 6, 115002.	1.6	6
68	Phonon-assisted cyclotron resonance in PÃ¶schl-Teller quantum well. Journal of Applied Physics, 2019, 126, .	2.5	18
69	One- and two-photon-induced cyclotronâ€"phonon resonance in modified-PÃ¶schlâ€"Teller quantum well. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	11
70	Tri-layered van der Waals heterostructures based on graphene, gallium selenide and molybdenum selenide. Journal of Applied Physics, 2019, 125, .	2.5	13
71	Cyclotronâ€"phonon resonance line-width in monolayer silicene. Superlattices and Microstructures, 2019, 131, 117-123.	3.1	2
72	Two-photon induced magneto-optical absorption in finite semi-parabolic quantum wells. Superlattices and Microstructures, 2019, 130, 446-453.	3.1	2

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73	Tuning the electronic properties of GaS monolayer by strain engineering and electric field. Chemical Physics, 2019, 524, 101-105.	1.9	10
74	Excitonic nonlinear optical properties in AlN/GaN spherical core/shell quantum dots under pressure. MRS Communications, 2019, 9, 663-669.	1.8	9
75	Magneto-optical effect in GaAs/GaAlAs semi-parabolic quantum well. Thin Solid Films, 2019, 682, 10-17.	1.8	58
76	One- and two-photon-induced magneto-optical properties of hyperbolic-type quantum wells. Optik, 2019, 185, 1261-1269.	2.9	6
77	Tailoring electronic properties and Schottky barrier in sandwich heterostructure based on graphene and tungsten diselenide. Diamond and Related Materials, 2019, 94, 129-136.	3.9	18
78	Strain engineering and electric field tunable electronic properties of Ti₂CO₂ MXene monolayer. Materials Research Express, 2019, 6, 065910.	1.6	12
79	Electronic and optical properties of layered van der Waals heterostructure based on MS₂ (M = Mo, W) monolayers. Materials Research Express, 2019, 6, 065060.	1.6	13
80	First principles study of single-layer SnSe2 under biaxial strain and electric field: Modulation of electronic properties. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 111, 201-205.	2.7	44
81	Strain-Tunable Electronic and Optical Properties of Monolayer Germanium Monosulfide: Ab-Initio Study. Journal of Electronic Materials, 2019, 48, 2902-2909.	2.2	14
82	Strain and electric field tunable electronic properties of type-II band alignment in van der Waals GaSe/MoSe2 heterostructure. Chemical Physics, 2019, 521, 92-99.	1.9	21
83	Band alignment and optical features in Janus-MoSeTe/X(OH)₂ (X = Ca, Mg) van der Waals heterostructures. Physical Chemistry Chemical Physics, 2019, 21, 25849-25858.	2.8	40
84	Tailoring the structural and electronic properties of an SnSe₂/MoS₂ van der Waals heterostructure with an electric field and the insertion of a graphene sheet. Physical Chemistry Chemical Physics, 2019, 21, 22140-22148.	2.8	48
85	Schottky anomaly and NÃ©el temperature treatment of possible perturbed hydrogenated AA-stacked graphene, SiC, and h-BN bilayers. RSC Advances, 2019, 9, 41569-41580.	3.6	10
86	Electronic and optical properties of Janus ZrSSe by density functional theory. RSC Advances, 2019, 9, 41058-41065.	3.6	81
87	Modulation of electronic properties of monolayer InSe through strain and external electric field. Chemical Physics, 2019, 516, 213-217.	1.9	21
88	Nonlinear optical absorption and cyclotronâ€“impurity resonance in monolayer silicene. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 105, 168-173.	2.7	0
89	Vertical strain and electric field tunable electronic properties of type-II band alignment C2N/InSe van der Waals heterostructure. Chemical Physics Letters, 2019, 716, 155-161.	2.6	38
90	Opening a band gap in graphene by Câ€“C bond alternation: a tight binding approach. Materials Research Express, 2019, 6, 045605.	1.6	5

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91	Electronic properties of WS2 and WSe2 monolayers with biaxial strain: A first-principles study. Chemical Physics, 2019, 519, 69-73.	1.9	62
92	Magneto-electronic perturbation effects on the electronic phase of phosphorene. Materials Research Express, 2019, 6, 026102.	1.6	1
93	Refractive index changes and optical absorption involving 1sâ€"1p excitonic transitions in quantum dot under pressure and temperature effects. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	16
94	Investigation of cyclotron-phonon resonance in monolayer molybdenum disulfide. Journal of Physics and Chemistry of Solids, 2019, 125, 74-79.	4.0	14
95	Linear and nonlinear magneto-optical absorption in a triangular quantum well. International Journal of Modern Physics B, 2018, 32, 1850162.	2.0	9
96	Van der Waals graphene/g-GaSe heterostructure: Tuning the electronic properties and Schottky barrier by interlayer coupling, biaxial strain, and electric gating. Journal of Alloys and Compounds, 2018, 750, 765-773.	5.5	51
97	Magneto-optical properties of semi-parabolic plus semi-inverse squared quantum wells. Physica B: Condensed Matter, 2018, 539, 117-122.	2.7	31
98	First principles study of the electronic properties and band gap modulation of two-dimensional phosphorene monolayer: Effect of strain engineering. Superlattices and Microstructures, 2018, 118, 289-297.	3.1	18
99	Linear and nonlinear magneto-optical properties of monolayer MoS2. Journal of Applied Physics, 2018, 123, .	2.5	29
100	First principles study of optical properties of molybdenum disulfide: From bulk to monolayer. Superlattices and Microstructures, 2018, 115, 10-18.	3.1	35
101	Electronic states and optical properties of single donor in GaN conical quantum dot with spherical edge. Superlattices and Microstructures, 2018, 114, 214-224.	3.1	12
102	Optical Absorption in Periodic Graphene Superlattices: Perpendicular Applied Magnetic Field and Temperature Effects. Annalen Der Physik, 2018, 530, 1700414.	2.4	8
103	Electric-field tunable electronic properties and Schottky contact of graphene/phosphorene heterostructure. Vacuum, 2018, 149, 231-237.	3.5	36
104	Tuning the Electronic and Optical Properties of Two-Dimensional Graphene-like $$hbox {C}_2hbox {N}$$ C 2 N Nanosheet by Strain Engineering. Journal of Electronic Materials, 2018, 47, 4594-4603.	2.2	15
105	First-principles study of electronic properties of AB-stacked bilayer armchair graphene nanoribbons under out-plane strain. Indian Journal of Physics, 2018, 92, 447-452.	1.8	7
106	First principle study on the electronic properties and Schottky contact of graphene adsorbed on MoS 2 monolayer under applied out-plane strain. Surface Science, 2018, 668, 23-28.	1.9	39
107	Tuning the Electronic Properties, Effective Mass and Carrier Mobility of MoS2 Monolayer by Strain Engineering: First-Principle Calculations. Journal of Electronic Materials, 2018, 47, 730-736.	2.2	66
108	Structural and electronic properties of a van der Waals heterostructure based on silicene and gallium selenide: effect of strain and electric field. Physical Chemistry Chemical Physics, 2018, 20, 27856-27864.	2.8	77

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109	First-principles study of W, N, and O adsorption on TiB2(0001) surface with disordered vacancies. Superlattices and Microstructures, 2018, 123, 414-426.	3.1	10
110	Fundamental exciton transitions in SiO2/Si/SiO2 cylindrical core/shell quantum dot. Journal of Applied Physics, 2018, 124, 144303.	2.5	9
111	Layered graphene/GaS van der Waals heterostructure: Controlling the electronic properties and Schottky barrier by vertical strain. Applied Physics Letters, 2018, 113, .	3.3	171
112	Phonon-assisted cyclotron resonance in special symmetric quantum wells. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	9
113	First principles study on the electronic properties and Schottky barrier of Graphene/InSe heterostructure. Superlattices and Microstructures, 2018, 122, 570-576.	3.1	28
114	Effect of strains on electronic and optical properties of monolayer SnS: Ab-initio study. Physica B: Condensed Matter, 2018, 545, 255-261.	2.7	21
115	First principles study of the electronic properties and Schottky barrier in vertically stacked graphene on the Janus MoSeS under electric field. Computational Materials Science, 2018, 153, 438-444.	3.0	56
116	Electronic properties of GaSe/MoS2 and GaS/MoSe2 heterojunctions from first principles calculations. AIP Advances, 2018, 8, 075207.	1.3	14
117	LO-phonon-assisted cyclotron resonance in a special asymmetric hyperbolic-type quantum well. Superlattices and Microstructures, 2018, 120, 738-746.	3.1	22
118	Theoretical investigation of hot electron cooling process in GaAs/AlAs cylindrical quantum wire under the influence of an intense electromagnetic wave. Optical and Quantum Electronics, 2018, 50, 1.	3.3	2
119	Magneto-optical absorption in quantum dot via two-photon absorption process. Optik, 2018, 173, 263-270.	2.9	3
120	Ab-initio study of electronic and optical properties of biaxially deformed single-layer GeS. Superlattices and Microstructures, 2018, 120, 501-507.	3.1	25
121	Interlayer coupling and electric field tunable electronic properties and Schottky barrier in a graphene/bilayer-GaSe van der Waals heterostructure. Physical Chemistry Chemical Physics, 2018, 20, 17899-17908.	2.8	99
122	Linear and nonlinear magneto-optical properties of monolayer phosphorene. Journal of Applied Physics, 2017, 121, .	2.5	47
123	Linear and nonlinear magneto-optical absorption coefficients and refractive index changes in graphene. Optical Materials, 2017, 69, 328-332.	3.6	26
124	Out-of-plane strain and electric field tunable electronic properties and Schottky contact of graphene/antimonene heterostructure. Superlattices and Microstructures, 2017, 112, 554-560.	3.1	27
125	First-principles study of structure, electronic properties and stability of tungsten adsorption on TiC(111) surface with disordered vacancies. Physica B: Condensed Matter, 2017, 526, 28-36.	2.7	7
126	First-principles study of the structural and electronic properties of graphene/MoS2 interfaces. Journal of Applied Physics, 2017, 122, .	2.5	57

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127	Magneto-optical transport properties of monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></m on polar substrates. Physical Review B, 2017, 96, .	3.2	72
128	Donor Impurity-Related Optical Absorption in GaAs Elliptic-Shaped Quantum Dots. Journal of Nanomaterials, 2017, 2017, 1-18.	2.7	3
129	Confined optical-phonon-assisted cyclotron resonance in quantum wells via two-photon absorption process. Superlattices and Microstructures, 2016, 94, 51-59.	3.1	24
130	Linear and nonlinear magneto-optical absorption in parabolic quantum well. Optik, 2016, 127, 10519-10526.	2.9	15
131	Linear and nonlinear magneto-optical absorption in a quantum well modulated by intense laser field. Superlattices and Microstructures, 2016, 100, 1112-1119.	3.1	12
132	Nonlinear optical absorption via two-photon process in asymmetrical semi-parabolic quantum wells. Superlattices and Microstructures, 2016, 89, 288-295.	3.1	12
133	Nonlinear optical absorption in graphene via two-photon absorption process. Optics Communications, 2015, 344, 12-16.	2.1	32
134	Nonlinear optical absorption via two-photon process in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0018.gif" overflow="scroll"><mml:mi>GaAs</mml:mi><mml:mo>/</mml:mo><mml:mrow><mml:msub><mml:mrow><mml:mi>Ga</mml:mi></mm quantum well. Journal of Physics and Chemistry of Solids, 2015, 82, 36-41.	4.0	24
135	Surface optical phonon-assisted cyclotron resonance in graphene on polar substrates. Materials Chemistry and Physics, 2015, 163, 116-122.	4.0	25
136	Nonlinear phonon-assisted cyclotron resonance via two-photon process in asymmetrical Gaussian potential quantum wells. Superlattices and Microstructures, 2015, 86, 111-120.	3.1	15
137	Nonlinear phonon-assisted cyclotron resonance via two-photon process in parabolic quantum well. Superlattices and Microstructures, 2015, 83, 755-765.	3.1	9
138	SA-phonon-assisted cyclotron resonance via two-photon process in graphene on GaAs substrate. Superlattices and Microstructures, 2015, 88, 518-526.	3.1	9
139	Nonlinear optical absorption via two-photon process in asymmetrical Gaussian potential quantum wells. Superlattices and Microstructures, 2015, 77, 267-275.	3.1	18
140	Nonlinear optical absorption in parabolic quantum well via two-photon absorption process. Optics Communications, 2015, 335, 37-41.	2.1	32
141	Nonpolar Optical Phonon-Assisted Cyclotron Resonance Via Multiphoton Absorption Process in Cylindrical Quantum Wire. Integrated Ferroelectrics, 2014, 155, 1-8.	0.7	1
142	Confined-acoustic-phonon-assisted cyclotron resonance via multi-photon absorption process in GaAs quantum well structure. Journal of Physics and Chemistry of Solids, 2014, 75, 300-305.	4.0	20
143	Linear and nonlinear phonon-assisted cyclotron resonances in parabolic quantum well under the applied electric field. Superlattices and Microstructures, 2014, 71, 124-133.	3.1	28
144	Influence of phonon confinement on the optically-detected electrophonon resonance line-width in cylindrical quantum wires. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 56, 102-106.	2.7	18

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145	Phonon-assisted cyclotron resonance in quantum wells via the multiphoton absorption process. Superlattices and Microstructures, 2013, 59, 77-86.	3.1	23
146	LO-phonon-assisted cyclotron resonance linewidth via multiphoton absorption process in cylindrical quantum wire. Superlattices and Microstructures, 2013, 60, 508-515.	3.1	10
147	Influence of phonon confinement on the optically-detected electrophonon resonance linewidth in rectangular quantum wires. Journal of the Korean Physical Society, 2013, 62, 305-310.	0.7	10
148	Cyclotron-resonance line-width due to electron-LO-phonon interaction in cylindrical quantum wires. Superlattices and Microstructures, 2012, 52, 16-23.	3.1	16
149	Cyclotron resonance linewidth in GaAs/AlAs quantum wires. Journal of the Korean Physical Society, 2012, 60, 1381-1385.	0.7	2
150	NONLINEAR ABSORPTION LINE-WIDTHS IN RECTANGULAR QUANTUM WIRES. Modern Physics Letters B, 2011, 25, 1003-1011.	1.9	33
151	Calculation of the nonlinear absorption coefficient of a strong electromagnetic wave by confined electrons in quantum wires. Computational Materials Science, 2010, 49, S260-S262.	3.0	6
152	Phonon-drag thermopower and thermoelectric performance of MoS$_2$ monolayer in quantizing magnetic field. Journal of Physics Condensed Matter, 0, , .	1.8	0