

Huynh Vinh Phuc

List of Publications by Year in Descending Order

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

147
papers

2,316
citations

27
h-index

39
g-index

152
ext. papers

2,964
ext. citations

2.9
avg, IF

5.69
L-index

#	Paper	IF	Citations
147	Structural, electronic, and transport properties of quintuple atomic Janus monolayers Ga ₂ SX ₂ (X=O, S, Se, Te): First-principles predictions. <i>Physical Review B</i> , 2022 , 105,	3.3	6
146	Novel Janus GaInX (X = S, Se, Te) single-layers: first-principles prediction on structural, electronic, and transport properties.. <i>RSC Advances</i> , 2022 , 12, 7973-7979	3.7	0
145	Theoretical prediction of Janus PdXO (X = S, Se, Te) monolayers: structural, electronic, and transport properties.. <i>RSC Advances</i> , 2022 , 12, 12971-12977	3.7	0
144	First-principles insights onto structural, electronic and optical properties of Janus monolayers CrXO (X = S, Se, Te).. <i>RSC Advances</i> , 2021 , 11, 39672-39679	3.7	0
143	Effects of La and Ce doping on electronic structure and optical properties of janus MoS ₂ Se monolayer. <i>Superlattices and Microstructures</i> , 2021 , 151, 106841	2.8	1
142	Nonlinear magneto-optical absorption in a finite semi-parabolic quantum well. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	5
141	Electronic, optical, and thermoelectric properties of Janus In-based monochalcogenides. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	9
140	Two-Dimensional Boron Phosphide/MoGeN van der Waals Heterostructure: A Promising Tunable Optoelectronic Material. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5076-5084	6.4	21
139	Oscillations of the electron energy loss rate in two-dimensional transition-metal dichalcogenides in the presence of a quantizing magnetic field. <i>Physical Review B</i> , 2021 , 103,	3.3	5
138	Exciton states in conical quantum dots under applied electric and magnetic fields. <i>Optics and Laser Technology</i> , 2021 , 139, 106953	4.2	6
137	Structural, elastic, and electronic properties of chemically functionalized boron phosphide monolayer.. <i>RSC Advances</i> , 2021 , 11, 8552-8558	3.7	3
136	Outstanding elastic, electronic, transport and optical properties of a novel layered material CF: first-principles study.. <i>RSC Advances</i> , 2021 , 11, 23280-23287	3.7	3
135	Theoretical prediction of electronic, transport, optical, and thermoelectric properties of Janus monolayers In ₂ XO (X=S,Se,Te). <i>Physical Review B</i> , 2021 , 103,	3.3	39
134	Electronic structure of vertically coupled quantum dot-ring heterostructures under applied electromagnetic probes. A finite-element approach. <i>Scientific Reports</i> , 2021 , 11, 4015	4.9	3
133	Theoretical insights into tunable electronic and optical properties of Janus Al ₂ SSe monolayer through strain and electric field. <i>Optik</i> , 2021 , 238, 166761	2.5	2
132	Quantum magnetotransport properties of silicene: Influence of the acoustic phonon correction. <i>Physical Review B</i> , 2021 , 104,	3.3	1
131	Oxygenation of Janus group III monochalcogenides: First-principles insights into GaInXO (X=S, Se, Te) monolayers. <i>Physical Review B</i> , 2021 , 104,	3.3	12

130	A theoretical study on elastic, electronic, transport, optical and thermoelectric properties of Janus SnSO monolayer. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 475306	3	3
129	Anisotropy of effective masses induced by strain in Janus MoSSe and WSSe monolayers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 134, 114826	3	2
128	Electronic and optical properties of a Janus SnSSe monolayer: effects of strain and electric field. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 11637-11643	3.6	33
127	Magneto-optical absorption in silicene and germanene induced by electric and Zeeman fields. <i>Physical Review B</i> , 2020 , 101,	3.3	17
126	Intra- and inter-band magneto-optical absorption in monolayer WS ₂ . <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 124, 114315	3	0
125	Pyramidal core-shell quantum dot under applied electric and magnetic fields. <i>Scientific Reports</i> , 2020 , 10, 8961	4.9	14
124	Interlayer coupling and electric field controllable Schottky barriers and contact types in graphene/PbI ₂ heterostructures. <i>Physical Review B</i> , 2020 , 101,	3.3	45
123	Low-energy bands and optical properties of monolayer WS ₂ . <i>Optik</i> , 2020 , 209, 164581	2.5	2
122	First-principles prediction of chemically functionalized InN monolayers: electronic and optical properties.. <i>RSC Advances</i> , 2020 , 10, 10731-10739	3.7	10
121	Effects of electric field and strain engineering on the electronic properties, band alignment and enhanced optical properties of ZnO/Janus ZrSSe heterostructures.. <i>RSC Advances</i> , 2020 , 10, 9824-9832	3.7	9
120	Effects of different surface functionalization on the electronic properties and contact types of graphene/functionalized-GeC van der Waals heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 7952-7961	3.6	15
119	Electronic structure, optoelectronic properties and enhanced photocatalytic response of GaN-GeC van der Waals heterostructures: a first principles study.. <i>RSC Advances</i> , 2020 , 10, 24127-24133	3.7	11
118	Computational prediction of electronic and optical properties of Janus Ga ₂ SeTe monolayer. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 455302	3	13
117	Stacking and electric field effects on the band alignment and electronic properties of the GeC/GaSe heterostructure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 120, 114050	3	7
116	The characteristics of defective ZrS ₂ monolayers adsorbed various gases on S-vacancies: A first-principles study. <i>Superlattices and Microstructures</i> , 2020 , 140, 106454	2.8	12
115	Electronic structure and optical performance of PbI ₂ /SnSe ₂ heterostructure. <i>Chemical Physics</i> , 2020 , 533, 110736	2.3	2
114	Computational insights into structural, electronic and optical characteristics of GeC/CN van der Waals heterostructures: effects of strain engineering and electric field.. <i>RSC Advances</i> , 2020 , 10, 2967-2974	3.7	7
113	Magneto-optical transport properties of monolayer transition metal dichalcogenides. <i>Physical Review B</i> , 2020 , 101,	3.3	44

112	Stark and Zeeman effects on the topological phase and transport properties of topological crystalline insulator thin films. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 12129-12139	3.6	
111	Effects of charged impurity scattering and substrate on the magneto-optical absorption properties in gapped monolayer graphene. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 121, 114149	3.9	
110	Electrical and thermal properties of strain- and electric field-induced topological crystalline insulators. <i>Chemical Physics</i> , 2020 , 536, 110845	2.3	
109	Magneto-optical absorption in Rashba-like quantum well. <i>Physica B: Condensed Matter</i> , 2020 , 592, 412279	2.8	3
108	Power loss of hot Dirac fermions in silicene and its near equivalence with graphene. <i>Semiconductor Science and Technology</i> , 2020 , 36, 025005	1.8	3
107	Tuning the electronic, photocatalytic and optical properties of hydrogenated InN monolayer by biaxial strain and electric field. <i>Chemical Physics</i> , 2020 , 532, 110677	2.3	8
106	Graphene/WSeTe van der Waals heterostructure: Controllable electronic properties and Schottky barrier via interlayer coupling and electric field. <i>Applied Surface Science</i> , 2020 , 507, 145036	6.7	92
105	Surface functionalization of GeC monolayer with F and Cl: Electronic and optical properties. <i>Superlattices and Microstructures</i> , 2020 , 137, 106359	2.8	10
104	Electronic, optical and photocatalytic properties of fully hydrogenated GeC monolayer. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 117, 113857	3	6
103	Janus monolayer PtSSe under external electric field and strain: A first principles study on electronic structure and optical properties. <i>Superlattices and Microstructures</i> , 2020 , 147, 106683	2.8	39
102	Strain engineering of the electro-optical and photocatalytic properties of single-layered Janus MoSSe: First principles calculations. <i>Optik</i> , 2020 , 224, 165503	2.5	4
101	Electronic structure and band alignment of Blue Phosphorene/Janus ZrSSe heterostructure: A first principles study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 124, 114369	3	1
100	Interfacial characteristics, Schottky contact, and optical performance of a graphene/Ga2SSe van der Waals heterostructure: Strain engineering and electric field tunability. <i>Physical Review B</i> , 2020 , 102,	3.3	55
99	Electronic structures, and optical and photocatalytic properties of the BPBSe van der Waals heterostructures. <i>New Journal of Chemistry</i> , 2020 , 44, 14964-14969	3.6	5
98	Low-energy bands, optical properties, and spin/valley-Hall conductivity of silicene and germanene. <i>Journal of Materials Science</i> , 2020 , 55, 14848-14857	4.3	4
97	First principles study of structural, optoelectronic and photocatalytic properties of SnS, SnSe monolayers and their van der Waals heterostructure. <i>Chemical Physics</i> , 2020 , 539, 110939	2.3	9
96	Janus Ga2STe monolayer under strain and electric field: Theoretical prediction of electronic and optical properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 124, 114358	3	9
95	Electronic and photocatalytic properties of two-dimensional boron phosphide/SiC van der Waals heterostructure with direct type-II band alignment: a first principles study.. <i>RSC Advances</i> , 2020 , 10, 32027-32033	2.7	33

94	Type-I band alignment of BX-ZnO (X = As, P) van der Waals heterostructures as high-efficiency water splitting photocatalysts: a first-principles study.. <i>RSC Advances</i> , 2020 , 10, 44545-44550	3.7	7
93	Strain-tunable electronic and optical properties of monolayer GeSe: Promising for photocatalytic water splitting applications. <i>Chemical Physics</i> , 2020 , 529, 110543	2.3	41
92	Computational understanding of the band alignment engineering in PbI ₂ /PtS ₂ heterostructure: Effects of electric field and vertical strain. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 115, 113706	3	4
91	Strain effects on the electronic and optical properties of Van der Waals heterostructure MoS ₂ /WS ₂ : A first-principles study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 116, 113799	3	14
90	Understanding the electronic properties, contact types and optical performances in graphene/InN heterostructure: Role of electric gating. <i>Diamond and Related Materials</i> , 2020 , 106, 107851	3.5	7
89	Theoretical prediction of electronic and optical properties of haft-hydrogenated InN monolayers. <i>Superlattices and Microstructures</i> , 2020 , 142, 106519	2.8	4
88	Phonon-assisted cyclotron resonance in Pöschl-Teller quantum well. <i>Journal of Applied Physics</i> , 2019 , 126, 124301	2.5	12
87	One- and two-photon-induced cyclotron-phonon resonance in modified-Pöschl-Teller quantum well. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	11
86	Tri-layered van der Waals heterostructures based on graphene, gallium selenide and molybdenum selenide. <i>Journal of Applied Physics</i> , 2019 , 125, 225304	2.5	10
85	Cyclotron-phonon resonance line-width in monolayer silicene. <i>Superlattices and Microstructures</i> , 2019 , 131, 117-123	2.8	2
84	Two-photon induced magneto-optical absorption in finite semi-parabolic quantum wells. <i>Superlattices and Microstructures</i> , 2019 , 130, 446-453	2.8	
83	Tuning the electronic properties of GaS monolayer by strain engineering and electric field. <i>Chemical Physics</i> , 2019 , 524, 101-105	2.3	6
82	Excitonic nonlinear optical properties in AlN/GaN spherical core/shell quantum dots under pressure. <i>MRS Communications</i> , 2019 , 9, 663-669	2.7	7
81	Magneto-optical effect in GaAs/GaAlAs semi-parabolic quantum well. <i>Thin Solid Films</i> , 2019 , 682, 10-17	2.2	26
80	One- and two-photon-induced magneto-optical properties of hyperbolic-type quantum wells. <i>Optik</i> , 2019 , 185, 1261-1269	2.5	3
79	Tailoring electronic properties and Schottky barrier in sandwich heterostructure based on graphene and tungsten diselenide. <i>Diamond and Related Materials</i> , 2019 , 94, 129-136	3.5	13
78	Strain engineering and electric field tunable electronic properties of Ti ₂ CO ₂ MXene monolayer. <i>Materials Research Express</i> , 2019 , 6, 065910	1.7	4
77	Electronic and optical properties of layered van der Waals heterostructure based on MS ₂ (M = Mo, W) monolayers. <i>Materials Research Express</i> , 2019 , 6, 065060	1.7	7

76	First principles study of single-layer SnSe ₂ under biaxial strain and electric field: Modulation of electronic properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 111, 201-205	3	31
75	Strain and electric field engineering of band alignment in InSe/Ca(OH) ₂ heterostructure. <i>Chemical Physics Letters</i> , 2019 , 732, 136649	2.5	5
74	Strain and electric field engineering of electronic structures and Schottky contact of layered graphene/Ca(OH) ₂ heterostructure. <i>Superlattices and Microstructures</i> , 2019 , 133, 106185	2.8	3
73	Electric field tuning of dynamical dielectric function in phosphorene. <i>Chemical Physics Letters</i> , 2019 , 731, 136606	2.5	1
72	Tunable electronic properties of InSe by biaxial strain: from bulk to single-layer. <i>Materials Research Express</i> , 2019 , 6, 115002	1.7	2
71	Strain-Tunable Electronic and Optical Properties of Monolayer Germanium Monosulfide: Ab-Initio Study. <i>Journal of Electronic Materials</i> , 2019 , 48, 2902-2909	1.9	8
70	Strain and electric field tunable electronic properties of type-II band alignment in van der Waals GaSe/MoSe ₂ heterostructure. <i>Chemical Physics</i> , 2019 , 521, 92-99	2.3	15
69	Band alignment and optical features in Janus-MoSeTe/X(OH) (X = Ca, Mg) van der Waals heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 25849-25858	3.6	36
68	Tailoring the structural and electronic properties of an SnSe/MoS van der Waals heterostructure with an electric field and the insertion of a graphene sheet. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 22140-22148	3.6	32
67	Schottky anomaly and NBL temperature treatment of possible perturbed hydrogenated AA-stacked graphene, SiC, and h-BN bilayers.. <i>RSC Advances</i> , 2019 , 9, 41569-41580	3.7	5
66	Electronic and optical properties of Janus ZrSSe by density functional theory.. <i>RSC Advances</i> , 2019 , 9, 41058-41065	3.7	45
65	Modulation of electronic properties of monolayer InSe through strain and external electric field. <i>Chemical Physics</i> , 2019 , 516, 213-217	2.3	14
64	Nonlinear optical absorption and cyclotron impurity resonance in monolayer silicene. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 105, 168-173	3	
63	Vertical strain and electric field tunable electronic properties of type-II band alignment C ₂ N/InSe van der Waals heterostructure. <i>Chemical Physics Letters</i> , 2019 , 716, 155-161	2.5	30
62	Opening a band gap in graphene by C-C bond alternation: a tight binding approach. <i>Materials Research Express</i> , 2019 , 6, 045605	1.7	4
61	Electronic properties of WS ₂ and WSe ₂ monolayers with biaxial strain: A first-principles study. <i>Chemical Physics</i> , 2019 , 519, 69-73	2.3	30
60	Magneto-electronic perturbation effects on the electronic phase of phosphorene. <i>Materials Research Express</i> , 2019 , 6, 026102	1.7	1
59	Refractive index changes and optical absorption involving 1s _{np} excitonic transitions in quantum dot under pressure and temperature effects. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	11

58	Investigation of cyclotron-phonon resonance in monolayer molybdenum disulfide. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 125, 74-79	3.9	14
57	Linear and nonlinear magneto-optical absorption in a triangular quantum well. <i>International Journal of Modern Physics B</i> , 2018 , 32, 1850162	1.1	6
56	Van der Waals graphene/g-GaSe heterostructure: Tuning the electronic properties and Schottky barrier by interlayer coupling, biaxial strain, and electric gating. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 765-773	5.7	45
55	Magneto-optical properties of semi-parabolic plus semi-inverse squared quantum wells. <i>Physica B: Condensed Matter</i> , 2018 , 539, 117-122	2.8	26
54	First principles study of the electronic properties and band gap modulation of two-dimensional phosphorene monolayer: Effect of strain engineering. <i>Superlattices and Microstructures</i> , 2018 , 118, 289-297	2.8	15
53	Linear and nonlinear magneto-optical properties of monolayer MoS ₂ . <i>Journal of Applied Physics</i> , 2018 , 123, 034301	2.5	16
52	First principles study of optical properties of molybdenum disulfide: From bulk to monolayer. <i>Superlattices and Microstructures</i> , 2018 , 115, 10-18	2.8	23
51	Electronic states and optical properties of single donor in GaN conical quantum dot with spherical edge. <i>Superlattices and Microstructures</i> , 2018 , 114, 214-224	2.8	11
50	Optical Absorption in Periodic Graphene Superlattices: Perpendicular Applied Magnetic Field and Temperature Effects. <i>Annalen Der Physik</i> , 2018 , 530, 1700414	2.6	7
49	Electric-field tunable electronic properties and Schottky contact of graphene/phosphorene heterostructure. <i>Vacuum</i> , 2018 , 149, 231-237	3.7	31
48	Tuning the Electronic and Optical Properties of Two-Dimensional Graphene-like (hbox {C}_2\hbox {N}) Nanosheet by Strain Engineering. <i>Journal of Electronic Materials</i> , 2018 , 47, 4594-4603	1.9	11
47	First-principles study of electronic properties of AB-stacked bilayer armchair graphene nanoribbons under out-plane strain. <i>Indian Journal of Physics</i> , 2018 , 92, 447-452	1.4	4
46	First principle study on the electronic properties and Schottky contact of graphene adsorbed on MoS ₂ monolayer under applied out-plane strain. <i>Surface Science</i> , 2018 , 668, 23-28	1.8	31
45	Tuning the Electronic Properties, Effective Mass and Carrier Mobility of MoS ₂ Monolayer by Strain Engineering: First-Principle Calculations. <i>Journal of Electronic Materials</i> , 2018 , 47, 730-736	1.9	42
44	First principles study of the electronic properties and Schottky barrier in vertically stacked graphene on the Janus MoSeS under electric field. <i>Computational Materials Science</i> , 2018 , 153, 438-444	3.2	45
43	Electronic properties of GaSe/MoS ₂ and GaS/MoSe ₂ heterojunctions from first principles calculations. <i>AIP Advances</i> , 2018 , 8, 075207	1.5	10
42	LO-phonon-assisted cyclotron resonance in a special asymmetric hyperbolic-type quantum well. <i>Superlattices and Microstructures</i> , 2018 , 120, 738-746	2.8	20
41	Theoretical investigation of hot electron cooling process in GaAs/AlAs cylindrical quantum wire under the influence of an intense electromagnetic wave. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	1

40	Magneto-optical absorption in quantum dot via two-photon absorption process. <i>Optik</i> , 2018 , 173, 263-270;	2.8	3
39	Ab-initio study of electronic and optical properties of biaxially deformed single-layer GeS. <i>Superlattices and Microstructures</i> , 2018 , 120, 501-507	2.8	17
38	Interlayer coupling and electric field tunable electronic properties and Schottky barrier in a graphene/bilayer-GaSe van der Waals heterostructure. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17899-17908	3.6	76
37	Structural and electronic properties of a van der Waals heterostructure based on silicene and gallium selenide: effect of strain and electric field. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 27856-27864	3.6	54
36	First-principles study of W, N, and O adsorption on TiB ₂ (0001) surface with disordered vacancies. <i>Superlattices and Microstructures</i> , 2018 , 123, 414-426	2.8	6
35	Fundamental exciton transitions in SiO ₂ /Si/SiO ₂ cylindrical core/shell quantum dot. <i>Journal of Applied Physics</i> , 2018 , 124, 144303	2.5	8
34	Layered graphene/GaS van der Waals heterostructure: Controlling the electronic properties and Schottky barrier by vertical strain. <i>Applied Physics Letters</i> , 2018 , 113, 171605	3.4	141
33	Phonon-assisted cyclotron resonance in special symmetric quantum wells. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	9
32	First principles study on the electronic properties and Schottky barrier of Graphene/InSe heterostructure. <i>Superlattices and Microstructures</i> , 2018 , 122, 570-576	2.8	21
31	Effect of strains on electronic and optical properties of monolayer SnS: Ab-initio study. <i>Physica B: Condensed Matter</i> , 2018 , 545, 255-261	2.8	16
30	Linear and nonlinear magneto-optical properties of monolayer phosphorene. <i>Journal of Applied Physics</i> , 2017 , 121, 045107	2.5	33
29	Linear and nonlinear magneto-optical absorption coefficients and refractive index changes in graphene. <i>Optical Materials</i> , 2017 , 69, 328-332	3.3	17
28	Out-of-plane strain and electric field tunable electronic properties and Schottky contact of graphene/antimonene heterostructure. <i>Superlattices and Microstructures</i> , 2017 , 112, 554-560	2.8	22
27	First-principles study of structure, electronic properties and stability of tungsten adsorption on TiC(111) surface with disordered vacancies. <i>Physica B: Condensed Matter</i> , 2017 , 526, 28-36	2.8	6
26	First-principles study of the structural and electronic properties of graphene/MoS ₂ interfaces. <i>Journal of Applied Physics</i> , 2017 , 122, 104301	2.5	43
25	Magneto-optical transport properties of monolayer MoS ₂ on polar substrates. <i>Physical Review B</i> , 2017 , 96,	3.3	61
24	Donor Impurity-Related Optical Absorption in GaAs Elliptic-Shaped Quantum Dots. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-18	3.2	3
23	Linear and nonlinear magneto-optical absorption in parabolic quantum well. <i>Optik</i> , 2016 , 127, 10519-10526	2.6	10

22	Linear and nonlinear magneto-optical absorption in a quantum well modulated by intense laser field. <i>Superlattices and Microstructures</i> , 2016 , 100, 1112-1119	2.8	8
21	Nonlinear optical absorption via two-photon process in asymmetrical semi-parabolic quantum wells. <i>Superlattices and Microstructures</i> , 2016 , 89, 288-295	2.8	11
20	Confined optical-phonon-assisted cyclotron resonance in quantum wells via two-photon absorption process. <i>Superlattices and Microstructures</i> , 2016 , 94, 51-59	2.8	20
19	Nonlinear optical absorption via two-photon process in GaAs/Ga _{1-x} Al _x As quantum well. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 82, 36-41	3.9	23
18	Surface optical phonon-assisted cyclotron resonance in graphene on polar substrates. <i>Materials Chemistry and Physics</i> , 2015 , 163, 116-122	4.4	21
17	Nonlinear phonon-assisted cyclotron resonance via two-photon process in asymmetrical Gaussian potential quantum wells. <i>Superlattices and Microstructures</i> , 2015 , 86, 111-120	2.8	12
16	Nonlinear phonon-assisted cyclotron resonance via two-photon process in parabolic quantum well. <i>Superlattices and Microstructures</i> , 2015 , 83, 755-765	2.8	9
15	SA-phonon-assisted cyclotron resonance via two-photon process in graphene on GaAs substrate. <i>Superlattices and Microstructures</i> , 2015 , 88, 518-526	2.8	9
14	Nonlinear optical absorption via two-photon process in asymmetrical Gaussian potential quantum wells. <i>Superlattices and Microstructures</i> , 2015 , 77, 267-275	2.8	14
13	Nonlinear optical absorption in parabolic quantum well via two-photon absorption process. <i>Optics Communications</i> , 2015 , 335, 37-41	2	28
12	Nonlinear optical absorption in graphene via two-photon absorption process. <i>Optics Communications</i> , 2015 , 344, 12-16	2	26
11	Linear and nonlinear phonon-assisted cyclotron resonances in parabolic quantum well under the applied electric field. <i>Superlattices and Microstructures</i> , 2014 , 71, 124-133	2.8	27
10	Influence of phonon confinement on the optically-detected electrophonon resonance line-width in cylindrical quantum wires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 56, 102-106	3	18
9	Nonpolar Optical Phonon-Assisted Cyclotron Resonance Via Multiphoton Absorption Process in Cylindrical Quantum Wire. <i>Integrated Ferroelectrics</i> , 2014 , 155, 1-8	0.8	1
8	Confined-acoustic-phonon-assisted cyclotron resonance via multi-photon absorption process in GaAs quantum well structure. <i>Journal of Physics and Chemistry of Solids</i> , 2014 , 75, 300-305	3.9	19
7	Phonon-assisted cyclotron resonance in quantum wells via the multiphoton absorption process. <i>Superlattices and Microstructures</i> , 2013 , 59, 77-86	2.8	22
6	LO-phonon-assisted cyclotron resonance linewidth via multiphoton absorption process in cylindrical quantum wire. <i>Superlattices and Microstructures</i> , 2013 , 60, 508-515	2.8	8
5	Influence of phonon confinement on the optically-detected electrophonon resonance linewidth in rectangular quantum wires. <i>Journal of the Korean Physical Society</i> , 2013 , 62, 305-310	0.6	9

4	Cyclotron-resonance line-width due to electron-LO-phonon interaction in cylindrical quantum wires. <i>Superlattices and Microstructures</i> , 2012 , 52, 16-23	2.8	16
3	Cyclotron resonance linewidth in GaAs/AlAs quantum wires. <i>Journal of the Korean Physical Society</i> , 2012 , 60, 1381-1385	0.6	2
2	NONLINEAR ABSORPTION LINE-WIDTHS IN RECTANGULAR QUANTUM WIRES. <i>Modern Physics Letters B</i> , 2011 , 25, 1003-1011	1.6	33
1	Calculation of the nonlinear absorption coefficient of a strong electromagnetic wave by confined electrons in quantum wires. <i>Computational Materials Science</i> , 2010 , 49, S260-S262	3.2	5