Chuong V Nguyen

List of Publications by Year
in descending order

160 papers	4,974 citations	76326 40 h-index	128289 60 g-index
160 all docs	160 docs citations	160 times ranked	2729 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	Tunable type-II band alignment and electronic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:msub><mml:mi>MoSi</mml:mi><mml:mi mathvariant="normal">N</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> heterostructure: Interlayer coupling and electric. Physical Review B, 2022, 105, .	3.2	56
3	Two-Dimensional Metal/Semiconductor Contact in a Janus MoSH/MoSi₂N₄ van der Waals Heterostructure. Journal of Physical Chemistry Letters, 2022, 13, 2576-2582.	4.6	36
4	Multiferroic van der Waals heterostructure <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>FeCl</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>: Nonvolatile electrically switchable electronic and spintronic properties. Physical Review B, 2022, 105, .	3.2	23
5	Two-dimensional XY monolayers (X = Al, Ga, In; Y = N, P, As) with a double layer hexagonal structure: A first-principles perspective. Applied Surface Science, 2022, 590, 152998.	6.1	53
6	Monoelemental two-dimensional iodinene nanosheets: a first-principles study of the electronic and optical properties. Journal Physics D: Applied Physics, 2022, 55, 135104.	2.8	5
7	Intriguing interfacial characteristics of the CS contact with MX₂ (M = Mo, W; X = S, Se,) Tj ETQq1 1 0.784314 rgBT /Ove	3.6	1
8	Theoretical prediction of Janus PdXO (X = S, Se, Te) monolayers: structural, electronic, and transport properties. RSC Advances, 2022, 12, 12971-12977.	3.6	2
9	Magneto-optical absorption properties of topological insulator thin films. Journal of Physics Condensed Matter, 2022, 34, 305702.	1.8	2
10	Rashba-type spin splitting and transport properties of novel Janus XWGeN₂ (X = O, S, Se,) Tj ETQq0 0 0 rgBT /Overlock 10	2.8	18
11	Magneto-optical properties of gapped-graphene. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 144, 115415.	2.7	2
12	Study of the Elastic Properties of the Energetic Molecular Crystals Using Density Functionals with van der Waals Corrections. ACS Omega, 2021, 6, 642-648.	3.5	11
13	Structural, elastic, and electronic properties of chemically functionalized boron phosphide monolayer. RSC Advances, 2021, 11, 8552-8558.	3.6	18
14	Stacking effects in van der Waals heterostructures of blueP and Janus XYO (X = Ti, Zr, Hf: Y = S, Se) monolayers. RSC Advances, 2021, 11, 12189-12199.	3.6	7
15	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
16	First-principles study of the electronic structures and optical and photocatalytic performances of van der Waals heterostructures of SiS, P and SiC monolayers. RSC Advances, 2021, 11, 14263-14268.	3.6	14
17	A van der Waals heterostructure of MoS₂/MoSi₂N₄: a first-principles study. New Journal of Chemistry, 2021, 45, 8291-8296.	2.8	59
18	Two-dimensional van der Waals graphene/transition metal nitride heterostructures as promising high-performance nanodevices. New Journal of Chemistry, 2021, 45, 5509-5516.	2.8	26

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19	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:mn>		

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37	Tunable electronic properties of the dynamically stable layered mineral Pt2HgSe3 (Jacutingaite). Physical Chemistry Chemical Physics, 2020, 22, 24471-24479.	2.8	18
38	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
39	Strain engineering of the electro-optical and photocatalytic properties of single-layered Janus MoSSe: First principles calculations. Optik, 2020, 224, 165503.	2.9	8
40	Vertical two-dimensional layered conjugated porous organic network structures of poly-benzimidazobenzophenanthroline (BBL): A first-principles study. Applied Physics Letters, 2020, 117, .	3.3	16
41	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
42	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
43	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
44	Investigation of strain and doping on the electronic properties of single layers of C₆N₆ and C₆N₈: a first principles study. RSC Advances, 2020, 10, 27743-27751.	3.6	35
45	The mechanical, electronic, optical and thermoelectric properties of two-dimensional honeycomb-like of XSb (X = Si, Ge, Sn) monolayers: a first-principles calculations. RSC Advances, 2020, 10, 30398-30405.	3.6	26
46	Oxygen Vacancies in the Single Layer of Ti₂CO₂ MXene: Effects of Gating Voltage, Mechanical Strain, and Atomic Impurities. Physica Status Solidi (B): Basic Research, 2020, 257, 2000343.	1.5	29
47	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
48	Two-dimensional silicon bismotide (SiBi) monolayer with a honeycomb-like lattice: first-principles study of tuning the electronic properties. RSC Advances, 2020, 10, 31894-31900.	3.6	23
49	Modulating the electro-optical properties of doped C₃N monolayers and graphene bilayers via mechanical strain and pressure. New Journal of Chemistry, 2020, 44, 15785-15792.	2.8	28
50	van der Waals heterostructures based on MSSe (M = Mo, W) and graphene-like GaN: enhanced optoelectronic and photocatalytic properties for water splitting. Physical Chemistry Chemical Physics, 2020, 22, 20704-20711.	2.8	37
51	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
52	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
53	Magneto-optical absorption in silicene and germanene induced by electric and Zeeman fields. Physical Review B, 2020, 101, .	3.2	25
54	Graphene hetero-multilayer on layered platinum mineral jacutingaite (Pt₂HgSe₃): van der Waals heterostructures with novel optoelectronic and thermoelectric performances. Journal of Materials Chemistry A, 2020, 8, 13248-13260.	10.3	57

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55	First-principles investigation of nonmetal doped single-layer BiOBr as a potential photocatalyst with a low recombination rate. Physical Chemistry Chemical Physics, 2020, 22, 15354-15364.	2.8	74
56	Pyramidal core-shell quantum dot under applied electric and magnetic fields. Scientific Reports, 2020, 10, 8961.	3.3	29
57	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></m heterostructures. Physical Review B, 2020, 101, .	3.2	76
58	Low-energy bands and optical properties of monolayer WS2. Optik, 2020, 209, 164581.	2.9	4
59	First-principles prediction of chemically functionalized InN monolayers: electronic and optical properties. RSC Advances, 2020, 10, 10731-10739.	3.6	13
60	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
61	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
62	A first-principles study of electronic structure and photocatalytic performance of GaNâ€“MX₂ (M = Mo, W; X= S, Se) van der Waals heterostructures. RSC Advances, 2020, 10, 24683-24690.	3.6	19
63	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
64	Electronic and optoelectronic properties of van der Waals heterostructure based on graphene-like GaN, blue phosphorene, SiC, and ZnO: A first principles study. Journal of Applied Physics, 2020, 127, .	2.5	19
65	Van der Waals heterostructures of SiC and Janus MSSe (M = Mo, W) monolayers: a first principles study. RSC Advances, 2020, 10, 25801-25807.	3.6	22
66	Computational prediction of electronic and optical properties of Janus Ga₂SeTe monolayer. Journal Physics D: Applied Physics, 2020, 53, 455302.	2.8	39
67	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
68	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
69	Electronic structure and optical performance of PbI2/SnSe2 heterostructure. Chemical Physics, 2020, 533, 110736.	1.9	7
70	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
71	Magneto-optical transport properties of monolayer transition metal dichalcogenides. Physical Review B, 2020, 101, .	3.2	69
72	Physicochemical properties of l- and dl-valine: first-principles calculations. Amino Acids, 2020, 52, 425-433.	2.7	5

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73	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
74	Electronic and photocatalytic performance of boron phosphide-blue phosphorene vdW heterostructures. Applied Surface Science, 2020, 523, 146483.	6.1	77
75	Electronic properties and enhanced photocatalytic performance of van der Waals heterostructures of ZnO and Janus transition metal dichalcogenides. Physical Chemistry Chemical Physics, 2020, 22, 10351-10359.	2.8	53
76	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
77	Theoretical prediction of electronic and optical properties of haft-hydrogenated InN monolayers. Superlattices and Microstructures, 2020, 142, 106519.	3.1	5
78	Magneto-optical absorption in PÃ¶schlâ€“Teller-like quantum well. Physica B: Condensed Matter, 2020, 592, 412279.	2.7	4
79	First-principles study of metal-semiconductor contact between MX2 (Mâ€¯=â€¯Nb, Pt; Xâ€¯=â€¯S, Se) monolayers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125867.	2.1	8
80	Optoelectronic and solar cell applications of Janus monolayers and their van der Waals heterostructures. Physical Chemistry Chemical Physics, 2019, 21, 18612-18621.	2.8	141
81	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
82	Electric field tuning of dynamical dielectric function in phosphorene. Chemical Physics Letters, 2019, 731, 136606.	2.6	2
83	Computational understanding of electronic properties of graphene/$${mathrm{{PtS}}_2}$$ heterostructure under electric field. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	5
84	Tunable electronic properties of InSe by biaxial strain: from bulk to single-layer. Materials Research Express, 2019, 6, 115002.	1.6	6
85	Rashba spin splitting and photocatalytic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>GeC</mml:mi><mml:mo>â”‚</mml:mo><mml:mi>M</mml:mi><mml:mn>2</mml:mn></mml:math> (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 257 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow	6.2	144
86	Phonon-assisted cyclotron resonance in PÃ¶schl-Teller quantum well. Journal of Applied Physics, 2019, 126, .	2.5	18
87	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
88	Tri-layered van der Waals heterostructures based on graphene, gallium selenide and molybdenum selenide. Journal of Applied Physics, 2019, 125, .	2.5	13
89	Cyclotronâ€“phonon resonance line-width in monolayer silicene. Superlattices and Microstructures, 2019, 131, 117-123.	3.1	2
90	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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91	Tuning the electronic properties of GaS monolayer by strain engineering and electric field. Chemical Physics, 2019, 524, 101-105.	1.9	10
92	Magneto-optical effect in GaAs/GaAlAs semi-parabolic quantum well. Thin Solid Films, 2019, 682, 10-17.	1.8	58
93	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
94	Strain engineering and electric field tunable electronic properties of Ti₂CO₂ MXene monolayer. Materials Research Express, 2019, 6, 065910.	1.6	12
95	Van der Waals heterostructures of P, BSe, and SiC monolayers. Journal of Applied Physics, 2019, 125, .	2.5	57
96	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
97	Electric field tunable electronic properties of P-ZnO and SiC-ZnO van der Waals heterostructures. Computational Materials Science, 2019, 164, 166-170.	3.0	27
98	Controlling electronic properties of PtS2/InSe van der Waals heterostructure via external electric field and vertical strain. Chemical Physics Letters, 2019, 724, 1-7.	2.6	26
99	Strain-Tunable Electronic and Optical Properties of Monolayer Germanium Monosulfide: Ab-Initio Study. Journal of Electronic Materials, 2019, 48, 2902-2909.	2.2	14
100	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
101	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
102	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
103	Electronic and optical properties of Janus ZrSSe by density functional theory. RSC Advances, 2019, 9, 41058-41065.	3.6	81
104	Modulation of electronic properties of monolayer InSe through strain and external electric field. Chemical Physics, 2019, 516, 213-217.	1.9	21
105	Nonlinear optical absorption and cyclotronâ€“impurity resonance in monolayer silicene. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 105, 168-173.	2.7	0
106	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
107	Opening a band gap in graphene by Câ€“C bond alternation: a tight binding approach. Materials Research Express, 2019, 6, 045605.	1.6	5
108	Modulation of electronic properties and Schottky barrier in the graphene/GaS heterostructure by electric gating. Physica B: Condensed Matter, 2019, 555, 69-73.	2.7	3

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109	Electronic properties and optical behaviors of bulk and monolayer ZrS2: A theoretical investigation. Superlattices and Microstructures, 2019, 125, 205-213.	3.1	31
110	Magneto-electronic perturbation effects on the electronic phase of phosphorene. Materials Research Express, 2019, 6, 026102.	1.6	1
111	Theoretical investigation of electronic structure and thermoelectric properties of MX2 (M=Zr, Hf;) Tj ETQq1 1 0.784314 rgBT /Overloc	4.0	36
112	Investigation of cyclotron-phonon resonance in monolayer molybdenum disulfide. Journal of Physics and Chemistry of Solids, 2019, 125, 74-79.	4.0	14
113	Adsorption and magnetism of bilayer graphene on the MnO polar surface with oxygen vacancies in the interface: First principles study. Superlattices and Microstructures, 2018, 117, 72-81.	3.1	3
114	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
115	Magneto-optical properties of semi-parabolic plus semi-inverse squared quantum wells. Physica B: Condensed Matter, 2018, 539, 117-122.	2.7	31
116	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
117	Tuning the electronic properties and Schottky barrier height of the vertical graphene/MoS 2 heterostructure by an electric gating. Superlattices and Microstructures, 2018, 116, 79-87.	3.1	41
118	Linear and nonlinear magneto-optical properties of monolayer MoS2. Journal of Applied Physics, 2018, 123, .	2.5	29
119	First principles study of optical properties of molybdenum disulfide: From bulk to monolayer. Superlattices and Microstructures, 2018, 115, 10-18.	3.1	35
120	Electric-field tunable electronic properties and Schottky contact of graphene/phosphorene heterostructure. Vacuum, 2018, 149, 231-237.	3.5	36
121	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
122	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
123	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
124	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
125	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
126	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

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127	Fundamental exciton transitions in SiO2/Si/SiO2 cylindrical core/shell quantum dot. Journal of Applied Physics, 2018, 124, 144303.	2.5	9
128	Effective Photocatalytic Activity of Mixed Ni/Fe-Base Metal-Organic Framework under a Compact Fluorescent Daylight Lamp. Catalysts, 2018, 8, 487.	3.5	66
129	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
130	Electronic structure, optical and photocatalytic performance of SiCâ€“MX₂ (M = Mo, W) Tj ETQq0 0 0 rgBT /Overlock 10 T 24168-24175.	2.8	85
131	Phonon-assisted cyclotron resonance in special symmetric quantum wells. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	9
132	First principles study on the electronic properties and Schottky barrier of Graphene/InSe heterostructure. Superlattices and Microstructures, 2018, 122, 570-576.	3.1	28
133	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
134	Electronic properties of GaSe/MoS2 and GaS/MoSe2 heterojunctions from first principles calculations. AIP Advances, 2018, 8, 075207.	1.3	14
135	First principles calculations of the geometric structures and electronic properties of van der Waals heterostructure based on graphene, hexagonal boron nitride and molybdenum diselenide. Diamond and Related Materials, 2018, 88, 151-157.	3.9	16
136	LO-phonon-assisted cyclotron resonance in a special asymmetric hyperbolic-type quantum well. Superlattices and Microstructures, 2018, 120, 738-746.	3.1	22
137	Magneto-optical absorption in quantum dot via two-photon absorption process. Optik, 2018, 173, 263-270.	2.9	3
138	Ab-initio study of electronic and optical properties of biaxially deformed single-layer GeS. Superlattices and Microstructures, 2018, 120, 501-507.	3.1	25
139	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
140	Linear and nonlinear magneto-optical properties of monolayer phosphorene. Journal of Applied Physics, 2017, 121, .	2.5	47
141	Phase Transition in Armchair Graphene Nanoribbon Due to Peierls Distortion. Journal of Electronic Materials, 2017, 46, 3815-3819.	2.2	2
142	First principles study of structural, electronic and magnetic properties of graphene adsorbed on the O-terminated MnO(111) surface. Diamond and Related Materials, 2017, 74, 31-40.	3.9	10
143	Simple single-emitting layer hybrid white organic light emitting with high color stability. Journal of Applied Physics, 2017, 122, .	2.5	3
144	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

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145	First-principles study of the structural and electronic properties of graphene/MoS2 interfaces. Journal of Applied Physics, 2017, 122, .	2.5	57
146	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></mm on polar substrates. Physical Review B, 2017, 96, .	3.2	72
147	Band gap and electronic properties of molybdenum disulphide under strain engineering: density functional theory calculations. Molecular Simulation, 2017, 43, 86-91.	2.0	15
148	Transport properties of armchair graphene nanoribbons under uniaxial strain: A first principles study. Solid State Communications, 2016, 237-238, 10-13.	1.9	3
149	Band Gap Modulation of Bilayer MoS2 Under Strain Engineering and Electric Field: A Density Functional Theory. Journal of Electronic Materials, 2016, 45, 4038-4043.	2.2	15
150	First-principles study of the structural and electronic properties of graphene absorbed on MnO(111) surfaces. Computational and Theoretical Chemistry, 2016, 1098, 22-30.	2.5	11
151	Effect of biaxial strain and external electric field on electronic properties of MoS 2 monolayer: A first-principle study. Chemical Physics, 2016, 468, 9-14.	1.9	49
152	Dispersion-Corrected Density Functional Theory Investigations of Structural and Electronic Properties of Bulk MoS2: Effect of Uniaxial Strain. Nanoscale Research Letters, 2015, 10, 433.	5.7	22
153	Electric field and substrateâ€“induced modulation of spin-polarized transport in graphene nanoribbons on A3B5 semiconductors. Journal of Applied Physics, 2015, 117, .	2.5	29
154	Modulation of the band structure in bilayer zigzag graphene nanoribbons on hexagonal boron nitride using the force and electric fields. Materials Chemistry and Physics, 2015, 154, 78-83.	4.0	12
155	Effect of electric field on the electronic and magnetic properties of a graphene nanoribbon/aluminium nitride bilayer system. RSC Advances, 2015, 5, 49308-49316.	3.6	25
156	Tuning the electronic properties of armchair graphene nanoribbons by strain engineering. Physica Scripta, 2015, 90, 015802.	2.5	10
157	Substrate-induced band structure and electronic properties in graphene/Al2O3(0001) interface. Surface Science, 2015, 632, 111-117.	1.9	6
158	Template-Based Growth of Various Oxide Nanorods by Solâ€“Gel Electrophoresis. Advanced Functional Materials, 2002, 12, 59.	14.9	227
159	Organic-inorganic sol-gel coating for corrosion protection of stainless steel. Journal of Materials Science Letters, 2002, 21, 251-255.	0.5	45
160	Electrophoretic Growth of Lead Zirconate Titanate Nanorods. Advanced Materials, 2001, 13, 1269.	21.0	158