Potassium intercalation in graphite: A van der Waals de

Physical Review B

76,

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Citation Report

#	Article	IF	Citations
1	Charged-impurity scattering in graphene. Nature Physics, 2008, 4, 377-381.	6.5	1,318
2	A Density Functional Theory Study of the Benzeneâˆ'Water Complex. Journal of Physical Chemistry A, 2008, 112, 9031-9036.	1.1	79
3	Influence of van der Waals forces on the adsorption structure of benzene on silicon studied using density functional theory. Physical Review B, 2008, 77, .	1.1	69
4	First-principles theoretical study of Alq3âˆ•Al interfaces: Origin of the interfacial dipole. Journal of Chemical Physics, 2008, 128, 244704.	1.2	51
5	Density-functional theory of nonequilibrium tunneling. Physical Review B, 2008, 78, .	1.1	9
6	Nature and strength of bonding in a crystal of semiconducting nanotubes: van der Waals density functional calculations and analytical results. Physical Review B, 2008, 77, .	1.1	53
7	Rings sliding on a honeycomb network: Adsorption contours, interactions, and assembly of benzene on Cu(111). Physical Review B, 2009, 80, .	1.1	73
8	First-principles study of the pentacene/Cu(111) interface: Adsorption states and vacuum level shifts. Journal of Electron Spectroscopy and Related Phenomena, 2009, 174, 78-84.	0.8	45
9	Diffusive charge transport in graphene on SiO2. Solid State Communications, 2009, 149, 1080-1086.	0.9	92
10	First-principles study of benzene on noble metal surfaces: Adsorption states and vacuum level shifts. Surface Science, 2009, 603, 2912-2922.	0.8	82
11	Structural, electronic, and magnetic properties of iron carbide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mn>7</mml:mn></mml:msul from first-principles theory. Physical Review B, 2009, 80, .	1.1	82
12	van der Waals Interactions in Density Functional Theory Using Wannier Functions. Journal of Physical Chemistry A, 2009, 113, 5224-5234.	1.1	80
13	A density functional for sparse matter. Journal of Physics Condensed Matter, 2009, 21, 084203.	0.7	363
14	Preservation potential of charcoal in alkaline environments: an experimental approach and implications for the archaeological record. Journal of Archaeological Science, 2009, 36, 1672-1679.	1.2	119
15	A van der Waals density functional study of ice Ih. Journal of Chemical Physics, 2010, 133, 214503.	1.2	39
16	A consistent and accurate<i>ab initio</i>parametrization of density functional dispersion correction (DFT-D) for the 94 elements H-Pu. Journal of Chemical Physics, 2010, 132, 154104.	1.2	35,972
17	Computing dispersion interactions in density functional theory. Physics Procedia, 2010, 3, 1417-1430.	1.2	38
18	Structure and binding in crystals of cagelike molecules: Hexamine and platonic hydrocarbons. Journal of Chemical Physics, 2010, 132, 134705.	1.2	34

#	Article	IF	Citations
19	Interaction of water with a metal surface: Importance of van der Waals forces. Physical Review B, 2010, 81, .	1.1	61
20	Cohesive Properties and Asymptotics of the Dispersion Interaction in Graphite by the Random Phase Approximation. Physical Review Letters, 2010, 105, 196401.	2.9	330
21	Adsorption of diatomic halogen molecules on graphene: A van der Waals density functional study. Physical Review B, 2010, 82, .	1.1	66
22	Structure and Layer Interaction in Carbon Monofluoride and Graphane: A Comparative Computational Study. Journal of Physical Chemistry A, 2010, 114, 5389-5396.	1.1	44
23	Comparative van der Waals density-functional study of graphene on metal surfaces. Physical Review B, 2010, 82, .	1.1	274
24	Graphene on metals: A van der Waals density functional study. Physical Review B, 2010, 81, .	1.1	431
25	Improved Description of the Structure of Molecular and Layered Crystals: Ab Initio DFT Calculations with van der Waals Corrections. Journal of Physical Chemistry A, 2010, 114, 11814-11824.	1.1	895
26	Role of van der Waals bonding in the layered oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>V</mml:mtext><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mtext First-principles density-functional calculations. Physical Review B, 2010, 82, .	1.1	78
27	Binding of polycyclic aromatic hydrocarbons and graphene dimers in density functional theory. New Journal of Physics, 2010, 12, 013017.	1.2	55
28	Adsorption of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-butane on Cu(100), Cu(111), Au(111), and Pt(111): Van der Waals density-functional study. Physical Review B, 2010, 82, .	1.1	50
29	Adsorption of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mrow><mml:mn>60</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>on Au(111) revisited: A van der Waals density functional study. Physical Review B, 2011, 83, .	1.1	53
30	Gap Opening of Graphene by Dual FeCl₃-Acceptor and K-Donor Doping. Journal of Physical Chemistry Letters, 2011, 2, 2577-2581.	2.1	101
31	An ab Initio Study of van der Waals Potential Energy Parameters for Silver Clusters. Journal of Physical Chemistry A, 2011, 115, 2332-2339.	1.1	6
32	First-Principles Calculation of the Interlayer Distance of the Two-Layer Graphene. Japanese Journal of Applied Physics, 2011, 50, 080213.	0.8	14
33	A van der Waals density functional study of adenine on graphene: single-molecular adsorption and overlayer binding. Journal of Physics Condensed Matter, 2011, 23, 135001.	0.7	44
34	Van der Waals density functionals applied to solids. Physical Review B, 2011, 83, .	1.1	3,608
35	The effect of cluster thickness on the adsorption of CH4 on Pdn. Computational and Theoretical Chemistry, 2011, 963, 236-244.	1.1	14
36	Van der Waals density functional calculations of binding in molecular crystals. Computer Physics Communications, 2011, 182, 1800-1804.	3.0	44

#	Article	IF	Citations
37	Stacking and band structure of van der Waals bonded graphane multilayers. Physical Review B, 2011, 83, .	1.1	44
38	A density-functional theory study of water on clean and hydrogen preadsorbed Rh(111) surfaces. Journal of Chemical Physics, 2011, 134, 154701.	1.2	12
39	Effect of dispersion correction on the Au(1 1 1)-H2O interface: A first-principles study. Journal of Chemical Physics, 2012, 137, 114709.	1.2	49
40	K-intercalated carbon systems: Effects of dimensionality and substrate. Europhysics Letters, 2012, 98, 67003.	0.7	26
41	Potential energy surface for graphene on graphene:<i>Ab initio</i>derivation, analytical description, and microscopic interpretation. Physical Review B, 2012, 86, .	1.1	128
42	Insight into the Adsorption of Water on the Clean CeO₂(111) Surface with van der Waals and Hybrid Density Functionals. Journal of Physical Chemistry C, 2012, 116, 13584-13593.	1.5	116
43	Interlayer binding energy of graphite: A mesoscopic determination from deformation. Physical Review B, 2012, 85, .	1.1	203
44	Calcium-decorated graphene for hydrogen storage: A van der Waals density functional study. Computational Materials Science, 2012, 55, 180-185.	1.4	33
45	Improved description of soft layered materials with van der Waals density functional theory. Journal of Physics Condensed Matter, 2012, 24, 424216.	0.7	150
46	Density functional study of gold and iron clusters on perfect and defected graphene. Physical Review B, 2012, 85, .	1.1	53
47	Van der Waals interactions in solids using the exchange-hole dipole moment model. Journal of Chemical Physics, 2012, 136, 174109.	1.2	197
48	Desorption of n-alkanes from graphene: a van der Waals density functional study. Journal of Physics Condensed Matter, 2012, 24, 424212.	0.7	27
49	A van der Waals density functional study of chloroform and other trihalomethanes on graphene. Journal of Chemical Physics, 2012, 137, 174702.	1.2	25
50	Calculation of dispersion energies. Journal of Physics Condensed Matter, 2012, 24, 073201.	0.7	187
51	Comparing van der Waals Density Functionals for CO₂ Adsorption in Metal Organic Frameworks. Journal of Physical Chemistry C, 2012, 116, 16957-16968.	1.5	72
52	Thermodynamic screening of metal-substituted MOFs for carbon capture. Physical Chemistry Chemical Physics, 2013, 15, 4573.	1.3	62
53	The role of van der Waals forces in water adsorption on metals. Journal of Chemical Physics, 2013, 138, 024708.	1.2	173
54	Dynamic study of Li intercalation into graphite by in situ high energy synchrotron XRD. Electrochimica Acta, 2013, 92, 148-152.	2.6	89

#	Article	IF	Citations
55	Methanol Adsorption on Graphene. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	35
56	Dispersion corrections in graphenic systems: a simple and effective model of binding. Journal of Physics Condensed Matter, 2013, 25, 445010.	0.7	31
57	Harris-type van der Waals density functional scheme. Physical Review B, 2013, 88, .	1.1	8
58	Binding and interlayer force in the near-contact region of two graphite slabs: Experiment and theory. Journal of Chemical Physics, 2013, 139, 224704.	1.2	21
59	Routes to rupture and folding of graphene on rough 6H-SiC(0001) and their identification. Beilstein Journal of Nanotechnology, 2013, 4, 625-631.	1.5	4
60	van der Waals density functionals built upon the electron-gas tradition: Facing the challenge of competing interactions. Journal of Chemical Physics, 2014, 140, 18A539.	1.2	100
61	Comparison of van der Waals corrected and sparse-matter density functionals for the metal-free phthalocyanine/gold interface. Physical Review B, 2014, 89, .	1.1	38
62	Insight into the description of van der Waals forces for benzene adsorption on transition metal (111) surfaces. Journal of Chemical Physics, 2014, 140, 084704.	1.2	158
63	Li intercalation in graphite: A van der Waals density-functional study. Physical Review B, 2014, 90, .	1.1	63
64	Exchange functional that tests the robustness of the plasmon description of the van der Waals density functional. Physical Review B, 2014, 89, .	1.1	414
65	Density Functional Theory Calculations of Alkali Metal (Li, Na, and K) Graphite Intercalation Compounds. Journal of Physical Chemistry C, 2014, 118, 16-19.	1.5	160
66	Study of van der Waals bonding and interactions in metal organic framework materials. Journal of Physics Condensed Matter, 2014, 26, 133002.	0.7	34
67	Theoretical Study of Li Migration in Lithiumâ€“Graphite Intercalation Compounds with Dispersion-Corrected DFT Methods. Journal of Physical Chemistry C, 2014, 118, 2273-2280.	1.5	141
68	Oxidation of a Graphite Surface: The Role of Water. Journal of Physical Chemistry C, 2014, 118, 27594-27598.	1.5	20
69	Van der Waals density functional study of the energetics of alkali metal intercalation in graphite. RSC Advances, 2014, 4, 3973-3983.	1.7	145
70	Role of van der Waals Forces in Thermodynamics and Kinetics of Layered Transition Metal Oxide Electrodes: Alkali and Alkaline-Earth Ion Insertion into V₂O₅. Journal of Physical Chemistry C, 2014, 118, 19599-19607.	1.5	79
71	How Many-Body Effects Modify the van der Waals Interaction between Graphene Sheets. Physical Review X, 2014, 4, .	2.8	35
72	Ab initio calculations of supramolecular complexes of fullerene C60 with CdTe and CdS. Physics of the Solid State, 2014, 56, 1289-1295.	0.2	3

#	Article	IF	Citations
73	Spin Signature of Nonlocal Correlation Binding in Metal-Organic Frameworks. Physical Review Letters, 2015, 115, 136402.	2.9	272
74	Theoretical Study of Graphene Doping Mechanism by Iodine Molecules. Journal of Physical Chemistry C, 2015, 119, 12071-12078.	1.5	35
76	Precursor Adsorption on Copper Surfaces as the First Step during the Deposition of Copper: A Density Functional Study with van der Waals Correction. Journal of Physical Chemistry C, 2015, 119, 9375-9385.	1.5	16
77	van der Waals forces in density functional theory: a review of the vdW-DF method. Reports on Progress in Physics, 2015, 78, 066501.	8.1	615
78	On the nature of the stacking interaction between two graphene layers. Chemical Physics Letters, 2015, 620, 46-49.	1.2	9
79	Electronic structures and stabilities of bilayer graphene doped with boron and nitrogen. Surface Science, 2015, 634, 57-61.	0.8	47
80	Structural and electronic properties of multilayer graphene on monolayer hexagonal boron nitride/nickel (111) interface system: A van der Waals density functional study. Journal of Applied Physics, 2016, 119, .	1.1	5
81	Interaction of boron with graphite: A van der Waals density functional study. Applied Surface Science, 2016, 379, 402-410.	3.1	15
82	First-principles study of ternary graphite compounds cointercalated with alkali atoms (Li, Na, and K) and alkylamines towards alkali ion battery applications. Journal of Power Sources, 2016, 324, 758-765.	4.0	35
83	Mg and K Insertion in Glassy Amorphous Carbon vs Graphite as Potential Anode Materials: an Ab Initio Study. MRS Advances, 2016, 1, 3069-3074.	0.5	3
84	Intrinsic Photoluminescence Emission from Subdomained Graphene Quantum Dots. Advanced Materials, 2016, 28, 5255-5261.	11.1	124
85	Dispersion-corrected DFT investigation on defect chemistry and potassium migration in potassium-graphite intercalation compounds for potassium ion batteries anode materials. Carbon, 2016, 107, 885-894.	5.4	83
86	Hydrogen weakens interlayer bonding in layered transition metal sulfide Fe_{1+x}S. Journal of Materials Chemistry A, 2017, 5, 5030-5035.	5.2	11
87	Adsorption and desorption of propane on Pd (111): A van der Waals density functional study. Energy binding sites and geometries. Surface Science, 2017, 664, 82-86.	0.8	2
88	Few-layer arsenic trichalcogenides: Emerging two-dimensional semiconductors with tunable indirect-direct band-gaps. Journal of Alloys and Compounds, 2017, 699, 554-560.	2.8	33
89	Tunable Magnetism and Extraordinary Sunlight Absorbance in Indium Triphosphide Monolayer. Journal of the American Chemical Society, 2017, 139, 11125-11131.	6.6	265
90	Finite-temperature properties of nonmagnetic transition metals: Comparison of the performance of constraint-based semilocal and nonlocal functionals. Physical Review B, 2017, 95, .	1.1	35
91	Reduced work function of graphene by metal adatoms. Applied Surface Science, 2017, 394, 98-107.	3.1	36

#	Article	IF	Citations
92	Potassium Secondary Batteries. ACS Applied Materials & Interfaces, 2017, 9, 4404-4419.	4.0	721
93	The vdW-DF Family of Nonlocal Exchange-Correlation Functionals. , 2017, , 241-274.		8
94	A Rigorous Method of Calculating Exfoliation Energies from First Principles. Nano Letters, 2018, 18, 2759-2765.	4.5	207
95	2D Intrinsic Ferromagnets from van der Waals Antiferromagnets. Journal of the American Chemical Society, 2018, 140, 2417-2420.	6.6	312
96	Monolayered Silicon and Germanium Monopnictide Semiconductors: Excellent Stability, High Absorbance, and Strain Engineering of Electronic Properties. ACS Applied Materials & Interfaces, 2018, 10, 5133-5139.	4.0	89
97	Multifunctional two-dimensional semiconductors SnP₃: universal mechanism of layer-dependent electronic phase transition. Journal of Physics Condensed Matter, 2018, 30, 475702.	0.7	12
98	Novel Two-Dimensional Semiconductor SnP₃ with High Carrier Mobility, Good Light Absorption, and Strong Interlayer Quantum Confinement. Journal of Physical Chemistry C, 2018, 122, 24359-24367.	1.5	42
99	SnP₃: A Previously Unexplored Two-Dimensional Material. Journal of Physical Chemistry C, 2018, 122, 18185-18191.	1.5	85
100	Transition-Metal Dihydride Monolayers: A New Family of Two-Dimensional Ferromagnetic Materials with Intrinsic Room-Temperature Half-Metallicity. Journal of Physical Chemistry Letters, 2018, 9, 4260-4266.	2.1	118
101	Monolayered semiconducting GeAsSe and SnSbTe with ultrahigh hole mobility. Frontiers of Physics, 2018, 13, 1.	2.4	11
102	First-principles study of alkali-metal intercalation in disordered carbon anode materials. Journal of Materials Chemistry A, 2019, 7, 19070-19080.	5.2	68
103	Metallic Nb₂S₂C Monolayer: A Promising Two-Dimensional Anode Material for Metal-Ion Batteries. Journal of Physical Chemistry C, 2019, 123, 26803-26811.	1.5	49
104	New insights into the origin of unstable sodium graphite intercalation compounds. Physical Chemistry Chemical Physics, 2019, 21, 19378-19390.	1.3	68
105	Electronic Properties of a New Family of Layered Materials from Groups 14 and 15: First-Principles Simulations. Journal of Physical Chemistry C, 2019, 123, 25470-25476.	1.5	13
106	Boron nitride nanoscrolls: Structure, synthesis, and applications. Applied Physics Reviews, 2019, 6, .	5.5	18
107	Mechanical, Electronic, and Magnetic Properties of NiX₂ (X = Cl, Br, I) Layers. ACS Omega, 2019, 4, 5714-5721.	1.6	40
108	Superconducting Single-Layer T-Graphene and Novel Synthesis Routes*. Chinese Physics Letters, 2019, 36, 097401.	1.3	61
109	Dewetted Gold Nanostructures onto Exfoliated Graphene Paper as High Efficient Glucose Sensor. Nanomaterials, 2019, 9, 1794.	1.9	10

#	Article	IF	Citations
110	The novel two-dimensional photocatalyst SnN₃with enhanced visible-light absorption for overall water splitting. Nanoscale, 2019, 11, 18628-18639.	2.8	25
111	A DFT+u study, including the van der waals interaction, on the adsorption of XO2 molecules on the v2o5(001) surface (x= S, N, O, C). Surface Science, 2019, 679, 110-116.	0.8	1
112	Application of van der Waals density functionals to two dimensional systems based on a mixed basis approach. Computer Physics Communications, 2019, 238, 138-144.	3.0	1
113	Highly enhanced optical absorption in visible region: A theoretical insight into N-doped SnP3 hydrogen evolution catalyst. Journal of Physics and Chemistry of Solids, 2020, 136, 109193.	1.9	3
114	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>CoS</mml:mi><mml:mn>2</mml:mn>< : A two-dimensional in-plane antiferromagnetic insulator. Physical Review B, 2020, 102, .	1.1	3
115	GeN3 monolayer: A promising 2D high-efficiency photo- hydrolytic catalyst with High carrier mobility transport anisotropy. Applied Catalysis B: Environmental, 2020, 279, 119368.	10.8	36
116	Essential geometric and electronic properties in stage-<i>n</i> graphite alkali-metal-intercalation compounds. RSC Advances, 2020, 10, 23573-23581.	1.7	8
117	Tunable phase transitions and high photovoltaic performance of two-dimensional In₂Ge₂Te₆ semiconductors. Nanoscale Horizons, 2020, 5, 1566-1573.	4.1	17
118	Liquid-Phase Exfoliated GeSe Nanoflakes for Photoelectrochemical-Type Photodetectors and Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 48598-48613.	4.0	56
119	Understanding Cation Selectivity in Carbon Nanopores with Hybrid First-Principles/Continuum Simulations: Implications for Water Desalination and Separation Technologies. ACS Applied Nano Materials, 2020, 3, 9740-9748.	2.4	23
120	Prediction of monolayered ferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrMnI</mml:mi><mml:mn>6</mml:mn></mml:msub></m as an intrinsic high-temperature quantum anomalous Hall system. Physical Review B, 2020, 102, .	1.1	18
121	Interlayer Bonding in Two-Dimensional Materials: The Special Case of SnP₃ and GeP₃. Journal of Physical Chemistry Letters, 2020, 11, 4503-4510.	2.1	24
122	The production of graphene using impinging jet exfoliation in a binary system of CO₂ and N-methyl pyrrolidone. Nanotechnology, 2020, 31, 265601.	1.3	5
123	Recent advances in dual-carbon based electrochemical energy storage devices. Nano Energy, 2020, 72, 104728.	8.2	78
124	Prediction of Novel 2D Intrinsic Ferromagnetic Materials with High Curie Temperature and Large Perpendicular Magnetic Anisotropy. Journal of Physical Chemistry C, 2020, 124, 7956-7964.	1.5	42
125	First-principles investigation of a new 2D magnetic crystal: Ferromagnetic ordering and intrinsic half-metallicity. Journal of Chemical Physics, 2020, 152, 244704.	1.2	10
126	Evaluating the exfoliation of two-dimensional materials with a Green's function surface model. Physical Review B, 2020, 101, .	1.1	32
127	Discovery of stable and intrinsic antiferromagnetic iron oxyhalide monolayers. Physical Chemistry Chemical Physics, 2020, 22, 11731-11739.	1.3	32

#	Article	IF	Citations
128	Atomic-level understanding layer-by-layer formation process of TiCx on carbon film. Electrochimica Acta, 2021, 367, 137514.	2.6	2
129	Improvement of alkali metal ion batteries <i>via</i> interlayer engineering of anodes: from graphite to graphene. Nanoscale, 2021, 13, 12521-12533.	2.8	14
130	Computational design of graphitic carbon nitride photocatalysts for water splitting. Faraday Discussions, 2021, 227, 341-358.	1.6	12
131	Pentagonal two-dimensional noble-metal dichalcogenide PdSSe for photocatalytic water splitting with pronounced optical absorption and ultrahigh anisotropic carrier mobility. Journal of Materials Chemistry C, 2021, 9, 7753-7764.	2.7	30
132	Crossâ€Substitution Promoted Ultrawide Bandgap up to 4.5ÂeV in a 2D Semiconductor: Gallium Thiophosphate. Advanced Materials, 2021, 33, e2008761.	11.1	41
133	Self-cantilever phenomenon of graphite/graphenes micro/nano structure: Experiment and DFT simulation analysis. Applied Surface Science, 2021, 545, 149009.	3.1	1
134	Fabrication of 2D Cu-BDC MOF and its derived porous carbon as anode material for high-performance Li/K-ion batteries. Applied Surface Science, 2021, 559, 149701.	3.1	49
135	First-Principles Calculation of the Interlayer Distance of the Two-Layer Graphene. Japanese Journal of Applied Physics, 2011, 50, 080213.	0.8	10
137	Mechanism Understanding of Sodium Penetration into Anthracite Cathodes: A Perspective from Diffusion Coefficients. Minerals, Metals and Materials Series, 2020, , 1299-1308.	0.3	0
138	Density functional study of gallium clusters on graphene: electronic doping and diffusion. Journal of Physics Condensed Matter, 2021, 33, 025002.	0.7	0
139	First-principle studies on the metal/semiconductor properties and strain-tuned electronic structures of SnP3 monolayer. Computational Materials Science, 2022, 203, 111047.	1.4	3
140	Novel 2D HfTeS4 for water splitting with high visible-light absorption. Applied Surface Science, 2022, 578, 151992.	3.1	11
141	Two-dimensional bipolar magnetic semiconductors with high Curie-temperature and electrically controllable spin polarization realized in exfoliated Cr(pyrazine)2 monolayers. Science China Chemistry, 2021, 64, 2212-2217.	4.2	25
142	Determination of Cleavage Energy and Efficient Nanostructuring of Layered Materials by Atomic Force Microscopy. Nano Letters, 2022, 22, 3550-3556.	4.5	7
143	Atomicâ€Scale Design of Anode Materials for Alkali Metal (Li/Na/K)â€Ion Batteries: Progress and Perspectives. Advanced Energy Materials, 2022, 12, .	10.2	56
144	Assembling Au₄ Tetrahedra to 2D and 3D Superatomic Crystals Based on Superatomic-Network Model. ACS Omega, 2022, 7, 32708-32716.	1.6	0
145	Influence of intercalated Gd atoms on graphene-4H-SiC(0001) properties. Applied Surface Science, 2023, 609, 155365.	3.1	1
146	Easily exfoliable monolayer of GdTe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si40.svg" display="inline" id="d1e691"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>: ab initio study. Computational Materials Science, 2023, 216, 111869.	1.4	0

#	Article	IF	Citations
147	First-principles study on bilayer SnP₃ as a promising thermoelectric material. Physical Chemistry Chemical Physics, 2022, 24, 29693-29699.	1.3	2
149	Testing Methods for Graphite Exposed to Molten Salt Reactor Environment. , 2022, , 183-200.		0
150	Density Functional Theory Studies on Magnetic Manipulation in NiI₂ Layers. ACS Applied Electronic Materials, 2023, 5, 920-927.	2.0	6
151	Anisotropic Optical and Mechanical Properties in Fewâ€Layer GaPS₄. Advanced Optical Materials, 2023, 11, .	3.6	5
152	Synthesis and Properties of Layered Materials. Engineering Materials, 2023, , 17-44.	0.3	0