

# Oleg V Yazyev

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1091875/oleg-v-yazyev-publications-by-citations.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

145  
papers

13,183  
citations

48  
h-index

114  
g-index

165  
ext. papers

15,416  
ext. citations

7.6  
avg, IF

7.23  
L-index

#	Paper	IF	Citations
145	2D transition metal dichalcogenides. <i>Nature Reviews Materials</i> , <b>2017</b> , 2,	73.3	2213
144	Defect-induced magnetism in graphene. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	1107
143	Emergence of magnetism in graphene materials and nanostructures. <i>Reports on Progress in Physics</i> , <b>2010</b> , 73, 056501	14.4	865
142	Electronic transport in polycrystalline graphene. <i>Nature Materials</i> , <b>2010</b> , 9, 806-9	27	756
141	Topological defects in graphene: Dislocations and grain boundaries. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	571
140	Magnetic correlations at graphene edges: basis for novel spintronics devices. <i>Physical Review Letters</i> , <b>2008</b> , 100, 047209	7.4	566
139	Spatially resolving edge states of chiral graphene nanoribbons. <i>Nature Physics</i> , <b>2011</b> , 7, 616-620	16.2	557
138	Spin polarization and transport of surface states in the topological insulators Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> from first principles. <i>Physical Review Letters</i> , <b>2010</b> , 105, 266806	7.4	381
137	Magnetism in disordered graphene and irradiated graphite. <i>Physical Review Letters</i> , <b>2008</b> , 101, 037203	7.4	371
136	Polycrystalline graphene and other two-dimensional materials. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 755-67	28.7	338
135	Z2Pack: Numerical implementation of hybrid Wannier centers for identifying topological materials. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	230
134	Observation of Weyl nodes and Fermi arcs in tantalum phosphide. <i>Nature Communications</i> , <b>2016</b> , 7, 11006	7.4	224
133	Topological frustration in graphene nanoflakes: magnetic order and spin logic devices. <i>Physical Review Letters</i> , <b>2009</b> , 102, 157201	7.4	209
132	Correlated states in twisted double bilayer graphene. <i>Nature Physics</i> , <b>2020</b> , 16, 520-525	16.2	194
131	Atomic scale microstructure and properties of Se-deficient two-dimensional MoSe <sub>2</sub> . <i>ACS Nano</i> , <b>2015</b> , 9, 3274-83	16.7	176
130	Effect of metal elements in catalytic growth of carbon nanotubes. <i>Physical Review Letters</i> , <b>2008</b> , 100, 156102	7.4	176
129	Giant ambipolar Rashba effect in the semiconductor BiTeI. <i>Physical Review Letters</i> , <b>2012</b> , 109, 096803	7.4	139

128	A guide to the design of electronic properties of graphene nanoribbons. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 2319-28	24.3	138
127	Experimentally engineering the edge termination of graphene nanoribbons. <i>ACS Nano</i> , <b>2013</b> , 7, 198-202	16.7	132
126	Robust Type-II Weyl Semimetal Phase in Transition Metal Diphosphides $XP_{2}$ (X=Mo, W). <i>Physical Review Letters</i> , <b>2016</b> , 117, 066402	7.4	131
125	MoS <sub>2</sub> and semiconductors in the flatland. <i>Materials Today</i> , <b>2015</b> , 18, 20-30	21.8	126
124	Scaling properties of flexible membranes from atomistic simulations: Application to graphene. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	126
123	Identifying substitutional oxygen as a prolific point defect in monolayer transition metal dichalcogenides. <i>Nature Communications</i> , <b>2019</b> , 10, 3382	17.4	117
122	Defect induced, layer-modulated magnetism in ultrathin metallic PtSe. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 674-678	28.7	106
121	Quasiparticle effects in the bulk and surface-state bands of Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> topological insulators. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	101
120	Magnetoresistive junctions based on epitaxial graphene and hexagonal boron nitride. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	98
119	Magnetic moment and anisotropy of individual Co atoms on graphene. <i>Physical Review Letters</i> , <b>2013</b> , 111, 236801	7.4	97
118	Controlled growth of a line defect in graphene and implications for gate-tunable valley filtering. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	96
117	Theory of magnetic edge states in chiral graphene nanoribbons. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	96
116	Disorder engineering and conductivity dome in ReS <sub>2</sub> with electrolyte gating. <i>Nature Communications</i> , <b>2016</b> , 7, 12391	17.4	89
115	Evidence for a Strong Topological Insulator Phase in ZrTe <sub>5</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 117, 237601	7.4	89
114	Hyperfine interactions in graphene and related carbon nanostructures. <i>Nano Letters</i> , <b>2008</b> , 8, 1011-5	11.5	87
113	Optically switched magnetism in photovoltaic perovskite CH <sub>3</sub> NH <sub>3</sub> (Mn:Pb)I <sub>3</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 13406	17.4	85
112	Structural and electronic transformation in low-angle twisted bilayer graphene. <i>2D Materials</i> , <b>2018</b> , 5, 015019	5.9	84
111	Metal adatoms on graphene and hexagonal boron nitride: Towards rational design of self-assembly templates. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	78

110	Defects in bilayer silica and graphene: common trends in diverse hexagonal two-dimensional systems. <i>Scientific Reports</i> , <b>2013</b> , 3, 3482	4.9	71
109	Comment on graphene nanoflakes with large spin: broken-symmetry states. <i>Nano Letters</i> , <b>2008</b> , 8, 766	11.5	70
108	Observation of topologically protected states at crystalline phase boundaries in single-layer WSe. <i>Nature Communications</i> , <b>2018</b> , 9, 3401	17.4	68
107	Early stages of radiation damage in graphite and carbon nanostructures: A first-principles molecular dynamics study. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	66
106	A novel quasi-one-dimensional topological insulator in bismuth iodide BiI <sub>4</sub> . <i>Nature Materials</i> , <b>2016</b> , 15, 154-8	27	64
105	Infrared- and Raman-spectroscopy measurements of a transition in the crystal structure and a closing of the energy gap of BiTeI under pressure. <i>Physical Review Letters</i> , <b>2014</b> , 112, 047402	7.4	61
104	Template nanowires for spintronics applications: nanomagnet microwave resonators functioning in zero applied magnetic field. <i>Nano Letters</i> , <b>2008</b> , 8, 3683-7	11.5	59
103	Probing the out-of-plane distortion of single point defects in atomically thin hexagonal boron nitride at the picometer scale. <i>Physical Review Letters</i> , <b>2011</b> , 106, 126102	7.4	57
102	Moiré Flat Bands in Twisted Double Bilayer Graphene. <i>Nano Letters</i> , <b>2020</b> , 20, 2410-2415	11.5	54
101	Muons probe strong hydrogen interactions with defective graphene. <i>Nano Letters</i> , <b>2011</b> , 11, 4919-22	11.5	54
100	Origin of fine structure in Si photoelectron spectra at silicon surfaces and interfaces. <i>Physical Review Letters</i> , <b>2006</b> , 96, 157601	7.4	50
99	Highly Oriented Atomically Thin Ambipolar MoSe Grown by Molecular Beam Epitaxy. <i>ACS Nano</i> , <b>2017</b> , 11, 6355-6361	16.7	48
98	The 2021 quantum materials roadmap. <i>JPhys Materials</i> , <b>2020</b> , 3, 042006	4.2	48
97	Subangstrom edge relaxations probed by electron microscopy in hexagonal boron nitride. <i>Physical Review Letters</i> , <b>2012</b> , 109, 205502	7.4	44
96	Gadolinium (III) ion in liquid water: structure, dynamics, and magnetic interactions from first principles. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 084506	3.9	43
95	Quantum chemical investigation of hyperfine coupling constants on first coordination sphere water molecule of gadolinium(III) aqua complexes. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 10997-1005	2.8	43
94	Topological aspects of charge-carrier transmission across grain boundaries in graphene. <i>Nano Letters</i> , <b>2014</b> , 14, 250-4	11.5	41
93	Grain boundaries in graphene on SiC(0001) substrate. <i>Nano Letters</i> , <b>2014</b> , 14, 6382-6	11.5	40

92	Point defects in the 1T' and 2H phases of single-layer MoS <sub>2</sub> : A comparative first-principles study. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	39
91	Spin- and valley-polarized transport across line defects in monolayer MoS <sub>2</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	37
90	Electromechanical oscillations in bilayer graphene. <i>Nature Communications</i> , <b>2015</b> , 6, 8582	17.4	34
89	Core spin-polarization correction in pseudopotential-based electronic structure calculations. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	30
88	Electronic transport in graphene with aggregated hydrogen adatoms. <i>Physical Review Letters</i> , <b>2014</b> , 113, 246601	7.4	28
87	Probing magnetism in atomically thin semiconducting PtSe. <i>Nature Communications</i> , <b>2020</b> , 11, 4806	17.4	28
86	Kinetic studies on the first dihydrogen aquacomplex, [Ru(H <sub>2</sub> )(H <sub>2</sub> O) <sub>5</sub> ] <sup>2+</sup> : Formation under H <sub>2</sub> pressure and catalytic H/D isotope exchange in water. <i>Inorganica Chimica Acta</i> , <b>2006</b> , 359, 1795-1806	2.7	27
85	Magnetoresistance from Fermi surface topology. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	26
84	Observation of a nodal chain with Dirac surface states in TiB <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	26
83	Strong out-of-plane magnetic anisotropy of Fe adatoms on Bi <sub>2</sub> Te <sub>3</sub> . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	26
82	Efficient algorithm for band connectivity resolution. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	26
81	Localized electronic states at grain boundaries on the surface of graphene and graphite. <i>2D Materials</i> , <b>2016</b> , 3, 031005	5.9	26
80	Extremely large magnetoresistance in the topologically trivial semimetal WP <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	25
79	Nuclear Spin Relaxation Parameters of MRI Contrast Agents – Insight from Quantum Mechanical Calculations. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 201-211	2.3	25
78	Distinct Evolutions of Weyl Fermion Quasiparticles and Fermi Arcs with Bulk Band Topology in Weyl Semimetals. <i>Physical Review Letters</i> , <b>2017</b> , 118, 106406	7.4	23
77	Pressure effect and superconductivity in the Bi <sub>4</sub> I <sub>4</sub> topological insulator. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	22
76	Magnetic Excitations and Electronic Interactions in Sr <sub>2</sub> CuTeO <sub>6</sub> : A Spin-1/2 Square Lattice Heisenberg Antiferromagnet. <i>Physical Review Letters</i> , <b>2016</b> , 117, 237203	7.4	22
75	Topological phase transitions driven by strain in monolayer tellurium. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	22

74	Observation of Weyl Nodes in Robust Type-II Weyl Semimetal WP_{2}. <i>Physical Review Letters</i> , <b>2019</b> , 122, 176402	7.4	21
73	Charge density wave phase, Mottness, and ferromagnetism in monolayer 1T'NbSe2. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	21
72	Momentum and photon energy dependence of the circular dichroic photoemission in the bulk Rashba semiconductors BiTeX (X=I, Br, Cl). <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	21
71	Isotropic Knight shift of metallic carbon nanotubes. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	21
70	Enhanced ultrafast relaxation rate in the Weyl semimetal phase of MoTe2 measured by time- and angle-resolved photoelectron spectroscopy. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	20
69	Multiplet features and magnetic properties of Fe on Cu(111): From single atoms to small clusters. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	20
68	<sup>170</sup> nuclear quadrupole coupling constants of water bound to a metal ion: a gadolinium(III) case study. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 054503	3.9	20
67	Non-Abelian reciprocal braiding of Weyl points and its manifestation in ZrTe. <i>Nature Physics</i> , <b>2020</b> , 16, 1137-1143	16.2	20
66	Atomic and electronic structure of a Rashba p̄ junction at the BiTeI surface. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	19
65	Coexistence of tunable Weyl points and topological nodal lines in ternary transition-metal telluride TaIrTe4. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	18
64	Manipulating Topological Domain Boundaries in the Single-Layer Quantum Spin Hall Insulator 1T'-WSe. <i>Nano Letters</i> , <b>2019</b> , 19, 5634-5639	11.5	18
63	Magnetic exchange interactions in monolayer CrI3 from many-body wavefunction calculations. <i>2D Materials</i> , <b>2020</b> , 7, 035005	5.9	17
62	Artificial Neural Network Approach to the Analytic Continuation Problem. <i>Physical Review Letters</i> , <b>2020</b> , 124, 056401	7.4	17
61	Engineering the topological surface states in the (Sb2)mBb2Te3(m=0B) superlattice series. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	17
60	Electronic instability in a zero-gap semiconductor: the charge-density wave in (TaSe4)2I. <i>Physical Review Letters</i> , <b>2013</b> , 110, 236401	7.4	17
59	Persistence of a surface state arc in the topologically trivial phase of MoTe2. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	16
58	Polycrystalline graphene: Atomic structure, energetics and transport properties. <i>Solid State Communications</i> , <b>2012</b> , 152, 1431-1436	1.6	16
57	Excitonic effects in two-dimensional TiSe2 from hybrid density functional theory. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	16

56	Crystal field, ligand field, and interorbital effects in two-dimensional transition metal dichalcogenides across the periodic table. <i>2D Materials</i> , <b>2019</b> , 6, 025015	5.9	15
55	Bulk and surface band structure of the new family of semiconductors BiTeX (X=I, Br, Cl). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2015</b> , 201, 115-120	1.7	15
54	Trivial topological phase of CaAgP and the topological nodal-line transition in CaAg(P1-xAsx). <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	14
53	Engineering quantum spin Hall effect in graphene nanoribbons via edge functionalization. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	14
52	Carbon diffusion in CVD growth of carbon nanotubes on metal nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2185-2188	1.3	14
51	Electronic Properties of Transferable Atomically Thin MoSe/h-BN Heterostructures Grown on Rh(111). <i>ACS Nano</i> , <b>2018</b> , 12, 11161-11168	16.7	14
50	Inducing Magnetic Phase Transitions in Monolayer CrI3 via Lattice Deformations. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 7585-7590	3.8	13
49	Reinvestigating the surface and bulk electronic properties of Cd3As2. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	13
48	Temperature dependent non-monotonic bands shift in ZrTe5. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2017</b> , 219, 9-15	1.7	13
47	Hyperfine interactions in aqueous solution of Cr3+: an ab initio molecular dynamics study. <i>Theoretical Chemistry Accounts</i> , <b>2006</b> , 115, 190-195	1.9	13
46	Two-Orbital Kondo Screening in a Self-Assembled Metal-Organic Complex. <i>ACS Nano</i> , <b>2017</b> , 11, 2675-2681	6.7	12
45	MgTa2N3: A reference Dirac semimetal. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	12
44	Coherent generation of symmetry-forbidden phonons by light-induced electron-phonon interactions in magnetite. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	10
43	Dirac fermions at high-index surfaces of bismuth chalcogenide topological insulator nanostructures. <i>Scientific Reports</i> , <b>2016</b> , 6, 20220	4.9	10
42	Highly anisotropic interlayer magnetoresistance in ZrSiS nodal-line Dirac semimetal. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	8
41	Single-layer 1 T $\gamma$ -MoS <sub>2</sub> under electron irradiation from ab initio molecular dynamics. <i>2D Materials</i> , <b>2018</b> , 5, 025022	5.9	8
40	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. <i>Physical Review Letters</i> , <b>2020</b> , 125, 216402	7.4	8
39	BiTeCl and BiTeBr: A comparative high-pressure optical study. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	7

38	Electronic transport across quantum dots in graphene nanoribbons: Toward built-in gap-tunable metal-semiconductor-metal heterojunctions. <i>Physical Review B</i> , <b>2020</b> , 102,	3-3	7
37	Robustness of the quantum spin Hall insulator phase in monolayer 1T' transition metal dichalcogenides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2017</b> , 219, 72-76	1-7	7
36	Exchange Interactions Mediated by Nonmagnetic Cations in Double Perovskites. <i>Physical Review Letters</i> , <b>2020</b> , 124, 077202	7-4	6
35	J1J2 square lattice antiferromagnetism in the orbitally quenched insulator MoOPO4. <i>Physical Review B</i> , <b>2017</b> , 96,	3-3	6
34	Theory of Magnetism in Graphene. <i>Science and Technology of Atomic, Molecular, Condensed Matter and Biological Systems</i> , <b>2012</b> , 2, 71-103		6
33	Controlling edge states in the Kane-Mele model via edge chirality. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2013</b> , 7, 151-153	2-5	6
32	Magnetism induced by single-atom defects in nanographites. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 61, 1294-1298	0-3	6
31	Large magnetoresistance and nonzero Berry phase in the nodal-line semimetal MoO2. <i>Physical Review B</i> , <b>2020</b> , 102,	3-3	6
30	Lattice-matched heterojunctions between topological and normal insulators: A first-principles study. <i>Physical Review B</i> , <b>2017</b> , 95,	3-3	5
29	Quantum electronic transport across BiTe defects in graphene nanoribbons. <i>2D Materials</i> , <b>2021</b> , 8, 035025	5-9	5
28	Linear and quadratic magnetoresistance in the semimetal SiP2. <i>Physical Review B</i> , <b>2020</b> , 102,	3-3	4
27	Electronic properties of one-dimensional nanostructures of the Bi2Se3 topological insulator. <i>Physical Review B</i> , <b>2018</b> , 97,	3-3	4
26	A finite temperature linear tetrahedron method for electronic structure calculations of periodic systems. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 2466-70	3-9	4
25	Transport signatures of temperature-induced chemical potential shift and Lifshitz transition in layered type-II Weyl semimetal TaIrTe4. <i>2D Materials</i> , <b>2021</b> , 8, 015020	5-9	4
24	Light induced electron spin resonance properties of van der Waals CrX3 (X = Cl, I) crystals. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 082406	3-4	4
23	Edge Disorder in Bottom-Up Zigzag Graphene Nanoribbons: Implications for Magnetism and Quantum Electronic Transport. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 4692-4696	6-4	4
22	Landau Levels as a Probe for Band Topology in Graphene Moiré Superlattices. <i>Physical Review Letters</i> , <b>2021</b> , 126, 056401	7-4	4
21	Interplay between spin-orbit coupling and crystal-field effect in topological insulators. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 285801	1-8	3



20	Muons probe magnetism and hydrogen interaction in graphene. <i>Physica Scripta</i> , <b>2013</b> , 88, 068508	2.6	3
19	Structural and electronic properties of the Bi/Au(110) surface. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	3
18	One-dimensional structural irregularities in graphene: chiral edges and grain boundaries. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 302, 012016	0.3	3
17	Even-odd conductance effect in graphene nanoribbons induced by edge functionalization with aromatic molecules: basis for novel chemosensors. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	3
16	Crystal Field Effect and Electric Field Screening in Multilayer Graphene with and without Twist. <i>Nano Letters</i> , <b>2021</b> , 21, 4636-4642	11.5	3
15	Unified picture of lattice instabilities in metallic transition metal dichalcogenides. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	3
14	Hidden bulk and surface effects in the spin polarization of the nodal-line semimetal ZrSiTe. <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	3
13	SrPtAs: a layered incommensurately modulated metal with saturated resistivity. <i>IUCrJ</i> , <b>2018</b> , 5, 470-477	4.7	2
12	Hydrogen Bonding of Ammonia with (H,OH)-Si(001) Revealed by Experimental and Ab Initio Photoelectron Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 5378-5388	2.8	1
11	Theory of Magnetism in Graphitic Materials. <i>Springer Series in Materials Science</i> , <b>2016</b> , 1-24	0.9	1
10	Unidirectional Kondo scattering in layered NbS <sub>2</sub> . <i>Npj 2D Materials and Applications</i> , <b>2021</b> , 5,	8.8	1
9	Temperature dependence of quantum oscillations from non-parabolic dispersions. <i>Nature Communications</i> , <b>2021</b> , 12, 6213	17.4	1
8	Modeling Disordered and Nanostructured Graphene <b>2020</b> , 53-72		1
7	Topological Fermi-arc surface resonances in bcc iron. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	1
6	Structural Phase Transition and Bandgap Control through Mechanical Deformation in Layered Semiconductors 1T <sub>x</sub> RX <sub>2</sub> (X = S, Se) <b>2020</b> , 2, 1115-1120		1
5	Observation of a singular Weyl point surrounded by charged nodal walls in PtGa. <i>Nature Communications</i> , <b>2021</b> , 12, 3994	17.4	1
4	Density Functional Theory Calculations of Topological Insulators <b>2015</b> , 131-160		0
3	Controlling the Quantum Spin Hall Edge States in Two-Dimensional Transition Metal Dichalcogenides. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 6964-6969	6.4	0

2 Modeling Disordered and Nanostructured Graphene **2018**, 1-20

1 Magnetization Signature of Topological Surface States in a Non-Symmorphic Superconductor.  
*Advanced Materials*, **2021**, 33, e2103257

24