

Peter A Dowben

List of Publications by Year in descending order

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347
papers

13,193
citations

38720

50
h-index

29127

104
g-index

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all docs

356
docs citations

356
times ranked

15753
citing authors

#	ARTICLE	IF	CITATIONS
1	Low trap-state density and long carrier diffusion in organolead trihalide perovskite single crystals. <i>Science</i> , 2015, 347, 519-522.	6.0	4,156
2	Robust isothermal electric control of exchange bias at room temperature. <i>Nature Materials</i> , 2010, 9, 579-585.	13.3	528
3	Large-scale solution synthesis of narrow graphene nanoribbons. <i>Nature Communications</i> , 2014, 5, 3189.	5.8	271
4	Surface segregation and restructuring of colossal-magneto-resistant manganese perovskites $\text{La}_{0.65}\text{Sr}_{0.35}\text{MnO}_3$. <i>Physical Review B</i> , 2000, 62, R14629-R14632.	1.1	163
5	Molecular adsorption on graphene. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 443001.	0.7	161
6	Graphene-like Boron-Carbon-Nitrogen Monolayers. <i>ACS Nano</i> , 2017, 11, 2486-2493.	7.3	154
7	Characterization of boron carbide thin films fabricated by plasma enhanced chemical vapor deposition from boranes. <i>Journal of Applied Physics</i> , 1992, 72, 4925-4933.	1.1	146
8	Two-dimensional ferroelectrics. <i>Physics-Uspexhi</i> , 2000, 43, 243-257.	0.8	130
9	Are half-metallic ferromagnets half metals? (invited). <i>Journal of Applied Physics</i> , 2004, 95, 7453-7458.	1.1	128
10	A class of boron-rich solid-state neutron detectors. <i>Applied Physics Letters</i> , 2002, 80, 3644-3646.	1.5	124
11	Electric modulation of magnetization at the $\text{BaTiO}_3/\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ interfaces. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	118
12	Interface effects in spin-polarized metal/insulator layered structures. <i>Surface Science Reports</i> , 2008, 63, 400-425.	3.8	113
13	The all boron carbide diode neutron detector: Comparison with theory. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 135, 129-133.	1.7	106
14	The metallicity of thin films and overlayers. <i>Surface Science Reports</i> , 2000, 40, 151-247.	3.8	105
15	Phase transition in the surface structure in copolymer films of vinylidene fluoride (70%) with trifluoroethylene (30%). <i>Physical Review B</i> , 2000, 61, 5760-5770.	1.1	103
16	Characterization of the native Cr_2O_3 oxide surface of CrO_2 . <i>Applied Physics Letters</i> , 2001, 79, 3122-3124.	1.5	101
17	Self-Assembly and Properties of Nonmetalated Tetraphenyl-Porphyrin on Metal Substrates. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9408-9415.	1.5	101
18	Nanoscale polarization manipulation and conductance switching in ultrathin films of a ferroelectric copolymer. <i>Applied Physics Letters</i> , 2003, 82, 4322-4324.	1.5	97

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19	Imaging and Control of Surface Magnetization Domains in a Magnetoelectric Antiferromagnet. <i>Physical Review Letters</i> , 2011, 106, 087202.	2.9	96
20	Changes in Metallicity and Electronic Structure Across the Surface Ferroelectric Transition of Ultrathin Crystalline Poly(vinylidene Fluoride-Trifluoroethylene) Copolymers. <i>Physical Review Letters</i> , 1998, 80, 1328-1331.	2.9	94
21	Surfaces of the perovskite manganites $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Physical Review B</i> , 1999, 59, 13453-13459.	1.1	91
22	Manganese surface segregation in NiMnSb. <i>Applied Physics Letters</i> , 2000, 76, 2349-2351.	1.5	90
23	A Handheld Neutron-Detection Sensor System Utilizing a New Class of Boron Carbide Diode. <i>IEEE Sensors Journal</i> , 2006, 6, 1531-1538.	2.4	79
24	Quasi-1D TiS_3 Nanoribbons: Mechanical Exfoliation and Thickness-Dependent Raman Spectroscopy. <i>ACS Nano</i> , 2018, 12, 12713-12720.	7.3	77
25	The finite-temperature densities of states for half-metallic ferromagnets. <i>Europhysics Letters</i> , 2002, 58, 544-548.	0.7	76
26	The heteroisomeric diode. <i>Journal of Physics Condensed Matter</i> , 2004, 16, L139-L146.	0.7	76
27	Initial and final state contributions of the core level shifts for Gd(0001). <i>Solid State Communications</i> , 1994, 91, 807-811.	0.9	74
28	Increasing the Néel temperature of magnetoelectric chromia for voltage-controlled spintronics. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	74
29	The spin state of a molecular adsorbate driven by the ferroelectric substrate polarization. <i>Chemical Communications</i> , 2014, 50, 2255.	2.2	74
30	THE PROBLEM OF THE BAND GAP IN LDA CALCULATIONS. <i>Surface Review and Letters</i> , 2007, 14, 481-487.	0.5	69
31	Spin-orbit coupling in the band structure of monolayer WSe_2 . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 182201.	0.7	67
32	A review of the halogen adsorption process on metal surfaces. <i>Critical Reviews in Solid State and Materials Sciences</i> , 1987, 13, 191-210.	6.8	65
33	Simulations of ferroelectric polymer film polarization: The role of dipole interactions. <i>Physical Review B</i> , 2004, 69, .	1.1	65
34	Comparison of the temperature-dependent electronic structure of the perovskites $\text{La}_{0.65}\text{A}_{0.35}\text{MnO}_3$ (A=Ca,Ba). <i>Physical Review B</i> , 1996, 54, 17438-17451.	1.1	64
35	Self-assembled Fe nanowires using organometallic chemical vapor deposition and CaF_2 masks on stepped Si(111). <i>Applied Physics Letters</i> , 2001, 78, 829-831.	1.5	64
36	Fabrication of n-type nickel doped B_5C_1 homojunction and heterojunction diodes. <i>Applied Physics Letters</i> , 1997, 70, 1028-1030.	1.5	62

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37	Lattice and electronic band structure changes across the surface ferroelectric transition. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 249, 505-511.	0.9	62
38	Toward Ferroelectric Control of Monolayer MoS ₂ . Nano Letters, 2015, 15, 3364-3369.	4.5	62
39	Graphene/Substrate Charge Transfer Characterized by Inverse Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 21618-21624.	1.5	61
40	Selective area deposition of boron on Si(111) induced by synchrotron radiation. Applied Physics Letters, 1991, 58, 607-609.	1.5	60
41	Determination of the surface Debye temperature of Mo(112) using valence band photoemission. Surface Science, 1996, 363, 296-302.	0.8	60
42	Effective surface Debye temperature for NiMnSb(100) epitaxial films. Applied Physics Letters, 2000, 77, 88-90.	1.5	58
43	Surface Electronic Structure of Hybrid Organo Lead Bromide Perovskite Single Crystals. Journal of Physical Chemistry C, 2016, 120, 21710-21715.	1.5	58
44	Surface state engineering of molecule-molecule interactions. Physical Chemistry Chemical Physics, 2012, 14, 4971.	1.3	56
45	Locking and Unlocking the Molecular Spin Crossover Transition. Advanced Materials, 2017, 29, 1702257.	11.1	55
46	Surface electronic phase transition in colossal magnetoresistive manganese perovskites: La _{0.65} Sr _{0.35} MnO ₃ . Applied Physics Letters, 2000, 77, 570-572.	1.5	54
47	Gate-Controlled Metal-Insulator Transition in TiS ₃ Nanowire Field-Effect Transistors. ACS Nano, 2019, 13, 803-811.	7.3	54
48	Identification of electron and hole traps in lithium tetraborate (Li ₂ B ₄ O ₇) crystals: Oxygen vacancies and lithium vacancies. Journal of Applied Physics, 2010, 107, .	1.1	51
49	Electronic structure of a graphene/hexagonal-BN heterostructure grown on Ru(0001) by chemical vapor deposition and atomic layer deposition: extrinsically doped graphene. Journal of Physics Condensed Matter, 2010, 22, 302002.	0.7	50
50	Surface-induced spin state locking of the [Fe(H ₂ B(pz) ₂) ₂ (bipy)] spin crossover complex. Journal of Physics Condensed Matter, 2016, 28, 206002.	0.7	50
51	Nonvolatile voltage controlled molecular spin state switching. Applied Physics Letters, 2019, 114, .	1.5	50
52	Electronic structure and stability of the $C_3H_3N_3$	1.1	49
53	Finite-temperature spin polarization in half-metallic ferromagnets. Journal of Applied Physics, 2003, 93, 7948-7950.	1.1	47
54	Magnetic ordering in Gd monopnictides: Indirect exchange versus superexchange interaction. Applied Physics Letters, 2006, 88, 182505.	1.5	47

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55	Direct graphene growth on MgO: origin of the band gap. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 072204.	0.7	47
56	Oxidation of metals at the chromium oxide interface. <i>Applied Physics Letters</i> , 2002, 81, 2109-2111.	1.5	46
57	Synchrotron-radiation-induced deposition of boron and boron carbide films from boranes and carboranes: Decaborane. <i>Journal of Applied Physics</i> , 1991, 69, 4103-4109.	1.1	45
58	Water absorption and dielectric changes in crystalline poly(vinylidene fluoride-trifluoroethylene) copolymer films. <i>Applied Physics Letters</i> , 2004, 84, 88-90.	1.5	45
59	Phase Stability and Stoichiometry in Thin Film Iron Pyrite: Impact on Electronic Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14130-14139.	4.0	45
60	Polarization-specific adsorption of organic molecules on ferroelectric LiNbO ₃ surfaces. <i>Applied Physics Letters</i> , 2010, 97, 243702.	1.5	43
61	Sublattice-induced symmetry breaking and band-gap formation in graphene. <i>Materials Horizons</i> , 2014, 1, 563-571.	6.4	43
62	Optical properties of boron carbide (B ₅ C) thin films fabricated by plasma-enhanced chemical vapor deposition. <i>Journal of Applied Physics</i> , 1996, 79, 8643-8647.	1.1	42
63	The incorporation of Nickel and Phosphorus dopants into Boron-Carbon alloy thin films. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 67, 335-342.	1.1	42
64	Complexities in the Molecular Spin Crossover Transition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16293-16302.	1.5	41
65	Band structure of strained Gd(0001) films. <i>Physical Review B</i> , 2002, 66, .	1.1	40
66	Band structure characterization of WS ₂ grown by chemical vapor deposition. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	40
67	Towards a Strong Spin-Orbit Coupling Magnetoelectric Transistor. <i>IEEE Journal on Exploratory Solid-State Computational Devices and Circuits</i> , 2018, 4, 1-9.	1.1	40
68	The surface phases of the La _{0.65} Pb _{0.35} MnO ₃ manganese perovskite surface. <i>Surface Science</i> , 2002, 512, L346-L352.	0.8	39
69	Band filling and depletion through the doping of polyaniline thin films. <i>Applied Physics Letters</i> , 2002, 80, 4342-4344.	1.5	38
70	Self-assembly of strongly dipolar molecules on metal surfaces. <i>Journal of Chemical Physics</i> , 2015, 142, 101921.	1.2	38
71	The band structure of the quasi-one-dimensional layered semiconductor TiS ₃ (001). <i>Applied Physics Letters</i> , 2018, 112, .	1.5	38
72	The anisotropic band structure of layered In ₄ Se ₃ (001). <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	37

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73	Altering the Static Dipole on Surfaces through Chemistry: Molecular Films of Zwitterionic Quinonoids. <i>Journal of the American Chemical Society</i> , 2012, 134, 8494-8506.	6.6	37
74	The valence-band structure of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Solid State Communications</i> , 1996, 97, 39-44.	0.9	36
75	Lattice-Stiffening Transition in Copolymer Films of Vinylidene Fluoride (70%) with Trifluoroethylene (30%). <i>Physical Review Letters</i> , 1999, 83, 4562-4565.	2.9	36
76	The role of the interface in the electronic structure of adsorbed metal(II) (Co, Ni, Cu) phthalocyanines. <i>Journal of Materials Chemistry</i> , 2009, 19, 2172.	6.7	36
77	Interfacial Charge Engineering in Ferroelectric-Controlled Mott Transistors. <i>Advanced Materials</i> , 2017, 29, 1701385.	11.1	36
78	Electron and hole traps in Ag-doped lithium tetraborate ($\text{Li}_2\text{B}_4\text{O}_7$) crystals. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	35
79	Electronic Structure of a Spin Crossover Molecular Adsorbate. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23291-23296.	1.5	35
80	Substrate-induced magnetic ordering of rare-earth overlayers. <i>Physical Review B</i> , 1991, 43, 3171-3179.	1.1	34
81	The interplay between the surface band structure and possible surface reconstructions of Mo(112). <i>European Physical Journal B</i> , 2000, 14, 747-755.	0.6	34
82	Changes in screening and electron density across the coupled metallic-magnetic phase transition of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 207, 367-373.	0.9	33
83	Heterojunction diode fabrication from polyaniline and a ferroelectric polymer. <i>Applied Physics Letters</i> , 2002, 81, 4281-4283.	1.5	33
84	EPR identification of defects responsible for thermoluminescence in Cu-doped lithium tetraborate ($\text{Li}_2\text{B}_4\text{O}_7$) crystals. <i>Journal of Luminescence</i> , 2013, 139, 125-131.	1.5	33
85	Nickel doping of boron carbide grown by plasma enhanced chemical vapor deposition. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996, 14, 2957.	1.6	32
86	Surface structure of ultrathin copolymer films of ferroelectric vinylidene fluoride (70%) with trifluoroethylene (30%) on graphite. <i>Physical Review B</i> , 2004, 70, .	1.1	31
87	Dipole driven bonding schemes of quinonoid zwitterions on surfaces. <i>Chemical Communications</i> , 2012, 48, 7143.	2.2	31
88	Band gaps of doped and undoped films of molecular icosahedra. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996, 217-218, 64-68.	2.6	30
89	Surface photovoltage effects on the isomeric semiconductors of boron-carbide. <i>Applied Physics Letters</i> , 2004, 84, 1302-1304.	1.5	30
90	The electronic structure of surface chains in the layered semiconductor $\text{In}_4\text{Se}_3(100)$. <i>Applied Physics Letters</i> , 2008, 92, 122107.	1.5	30

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91	The interface bonding and orientation of a quinonoid zwitterion. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10329.	1.3	30
92	Occupied and unoccupied electronic structure of Na doped MoS ₂ (0001). <i>Applied Physics Letters</i> , 2014, 105, .	1.5	30
93	Nanoscale plasmonic phenomena in CVD-grown MoS ₂ monolayer revealed by ultra-broadband synchrotron radiation based nano-FTIR spectroscopy and near-field microscopy. <i>Optics Express</i> , 2016, 24, 1154.	1.7	30
94	The electronic properties of Au and Pt metal contacts on quasi-one-dimensional layered TiS ₃ (001). <i>Applied Physics Letters</i> , 2019, 114, 101604.	1.5	30
95	Nickel doping of boron-carbon alloy films and corresponding Fermi level shifts. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997, 15, 854-859.	0.9	29
96	Voltage controlled Néel vector rotation in zero magnetic field. <i>Nature Communications</i> , 2021, 12, 1674.	5.8	29
97	Nonvolatile Voltage Controlled Molecular Spin-State Switching for Memory Applications. <i>Magnetochemistry</i> , 2021, 7, 37.	1.0	29
98	Angle-resolved photoemission study of oxygen chemisorption on Gd(0001). <i>Surface Science</i> , 1995, 329, 177-183.	0.8	28
99	Comparing inverse photoemission and X-ray absorption spectroscopies. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002, 122, 259-273.	0.8	27
100	Organic spin valves with inelastic tunneling characteristics. <i>Physical Review B</i> , 2011, 83, .	1.1	27
101	Electronic structure and direct observation of ferrimagnetism in multiferroic hexagonal YbFeO_3 . <i>Physical Review B</i> , 2017, 95, .	1.7	27
102	Synchrotron-radiation-induced deposition of boron and boron carbide films from boranes and carboranes II: Nido-2,3-diethyl-2,3-dicarbaheptaborane. <i>Applied Physics A: Solids and Surfaces</i> , 1992, 54, 442-450.	1.4	26
103	Influence of dynamical scattering in crystalline poly(vinylidene fluoride-trifluoroethylene) copolymers. <i>Applied Physics Letters</i> , 1999, 74, 347-349.	1.5	26
104	Comparison of the electronic structure of two polymers with strong dipole ordering. <i>Journal of Physics Condensed Matter</i> , 2006, 18, L155-L161.	0.7	26
105	Titanium dioxide-molybdenum disulfide for photocatalytic degradation of methylene blue. <i>Chemical Physics</i> , 2019, 525, 110419.	0.9	26
106	The nonmetal to metal transition with alkali doping of films of molecular icosahedra. <i>Chemical Physics Letters</i> , 1997, 264, 168-173.	1.2	25
107	The electronic structure of oriented poly[2-methoxy-5-(2-ethyl-hexyloxy)-1,4-phenylene-vinylene]. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 483-488.	1.1	25
108	Effect of gadolinium doping on the electronic band structure of europium oxide. <i>Physical Review B</i> , 2012, 85, .	1.1	25

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109	Surface segregation from gold alloys. Gold Bulletin, 1987, 20, 54-65.	3.2	24
110	Oxygen Induced Suppression of the Surface Magnetization of Gd(0001). Physical Review Letters, 1996, 76, 2802-2805.	2.9	24
111	Magnetism of Cr-doped diamond-like carbon. Journal of Applied Physics, 2009, 105, .	1.1	24
112	The Electronic Structure and Secondary Pyroelectric Properties of Lithium Tetraborate. Materials, 2010, 3, 4550-4579.	1.3	24
113	Indications of magnetic coupling effects in spin cross-over molecular thin films. Chemical Communications, 2018, 54, 944-947.	2.2	24
114	Carbon nanotubes-molybdenum disulfide composite for enhanced hydrogen evolution reaction. Journal of Electroanalytical Chemistry, 2019, 845, 39-47.	1.9	24
115	Quantitative Study of the Energy Changes in Voltage-Controlled Spin Crossover Molecular Thin Films. Journal of Physical Chemistry Letters, 2020, 11, 8231-8237.	2.1	24
116	The interface electronic structure of thiol terminated molecules on cobalt and gold surfaces. Journal of Materials Science, 2006, 41, 6198-6206.	1.7	22
117	Ce-doped EuO: Magnetic properties and the indirect band gap. Journal of Applied Physics, 2011, 109, 07C311.	1.1	22
118	Magneto-electric antiferromagnetic spin-orbit logic devices. Applied Physics Letters, 2020, 116, .	1.5	22
119	The effect of lateral interactions on the thermal desorption of N ₂ from Ni(100). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 2605-2609.	0.9	21
120	The electronic structure of 1,2-PCB10H11 molecular films: a precursor to a novel semiconductor. Applied Physics A: Materials Science and Processing, 2006, 84, 149-159.	1.1	21
121	Doping of boron carbides with cobalt, using cobaltocene. Applied Physics A: Materials Science and Processing, 2007, 89, 195-201.	1.1	21
122	Coverage-Dependent Interactions at the Organics-Metal Interface: Quinonoid Zwitterions on Au(111). Journal of Physical Chemistry C, 2013, 117, 16406-16415.	1.5	21
123	Spin polarization asymmetry at the surface of chromia. New Journal of Physics, 2014, 16, 073021.	1.2	21
124	Effect of Band Symmetry on Photocurrent Production in Quasi-One-Dimensional Transition-Metal Trichalcogenides. ACS Applied Materials & Interfaces, 2020, 12, 40525-40531.	4.0	21
125	Electronic structure and polymerization of a self-assembled monolayer with multiple arene rings. Physical Review B, 2006, 74, .	1.1	20
126	The n-type Gd-doped HfO ₂ to silicon heterojunction diode. Applied Physics A: Materials Science and Processing, 2007, 89, 489-492.	1.1	20

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127	The unoccupied electronic structure characterization of hydrothermally grown ThO ₂ single crystals. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 283-286.	1.2	20
128	On the structural origin of the single-ion magnetic anisotropy in LuFeO ₃ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 156001.	0.7	20
129	The structural homogeneity of boron carbide thin films fabricated using plasma-enhanced chemical vapor deposition from B ₅ H ₉ +CH ₄ . <i>Journal of Applied Physics</i> , 1993, 74, 6919-6924.	1.1	19
130	Zero-bias anomaly in CrO ₂ junctions. <i>Europhysics Letters</i> , 2002, 58, 448-454.	0.7	19
131	Lattice-stiffening transition in gadolinium chains on furrowed (112) surfaces. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 4711-4724.	0.7	19
132	Magnetoelectric Fe ₂ TeO ₆ thin films. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 055012.	0.7	19
133	Semiconducting boron carbides with better charge extraction through the addition of pyridine moieties. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 355302.	1.3	19
134	Moving towards the magnetoelectric graphene transistor. <i>Applied Physics Letters</i> , 2017, 111, 182402.	1.5	19
135	Effects of Gd Doping and Oxygen Vacancies on the Properties of EuO Films Prepared via Pulsed Laser Deposition. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 1879-1882.	1.2	18
136	Schottky barrier formation at the Au to rare earth doped GaN thin film interface. <i>EPJ Applied Physics</i> , 2011, 55, 31301.	0.3	18
137	Approaching an organic semimetal: Electron pockets at the Fermi level for a benzoquinonemonoimine zwitterion. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1571-1576.	0.7	18
138	Effective mass and band gap of strained graphene. <i>Current Applied Physics</i> , 2014, 14, S136-S139.	1.1	18
139	Influence of steric hindrance on the molecular packing and the anchoring of quinonoid zwitterions on gold surfaces. <i>New Journal of Chemistry</i> , 2016, 40, 5782-5796.	1.4	18
140	Tunable spin-state bistability in a spin crossover molecular complex. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 315401.	0.7	18
141	Surface segregation in binary alloys. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1986, 4, 1675-1679.	0.9	17
142	Can photoemission accurately probe the bulk electronic structure of the complex oxides?. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1998, 16, 2950-2955.	0.9	17
143	Electronic-structure modifications induced by surface segregation in La _{0.65} Pb _{0.35} MnO ₃ thin films. <i>Europhysics Letters</i> , 2001, 56, 722-728.	0.7	17
144	Theoretical study of the magnetic ordering in rare-earth compounds with face-centered-cubic structure. <i>Journal of Applied Physics</i> , 2005, 97, 10A915.	1.1	17

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145	Compact-device model development for the energy-delay analysis of magneto-electric magnetic tunnel junction structures. <i>Semiconductor Science and Technology</i> , 2016, 31, 065022.	1.0	17
146	The emergence of the local moment molecular spin transistor. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 234002.	0.7	17
147	Evolving magneto-electric device technologies. <i>Semiconductor Science and Technology</i> , 2020, 35, 073001.	1.0	17
148	Surface termination and Schottky-barrier formation of In ₄ Se ₃ (001). <i>Semiconductor Science and Technology</i> , 2020, 35, 065009.	1.0	17
149	Electron-beam-induced patterned deposition of allylcyclopentadienyl palladium using scanning tunneling microscopy. <i>Journal of Applied Physics</i> , 1994, 76, 7639-7641.	1.1	16
150	The anomalous effective surface Debye temperature of ErAs (100). <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 302, 217-223.	0.9	16
151	Graphene on Ru(0001): Evidence for two graphene band structures. <i>Physical Review B</i> , 2012, 85, .	1.1	16
152	Weak screening of a large dipolar molecule adsorbed on graphene. <i>Carbon</i> , 2012, 50, 1981-1986.	5.4	16
153	Novel semiconducting boron carbide/pyridine polymers for neutron detection at zero bias. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 113-118.	1.1	16
154	Epitaxial growth of cobalt oxide phases on Ru(0001) for spintronic device applications. <i>Semiconductor Science and Technology</i> , 2017, 32, 095011.	1.0	16
155	Gold Dispersion and Activation on the Basal Plane of Single-Layer MoS ₂ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 267-273.	1.5	16
156	The influence of interfaces on magnetic thin films and multilayers. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 7985-7996.	0.7	15
157	Different approaches to adjusting band offsets at intermolecular interfaces. <i>Applied Surface Science</i> , 2008, 254, 4238-4244.	3.1	15
158	The local structure of transition metal doped semiconducting boron carbides. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 085403.	1.3	15
159	Novel semiconducting alloy polymers formed from ortho-carborane and 1,4-diaminobenzene. <i>Materials Chemistry and Physics</i> , 2012, 133, 901-906.	2.0	15
160	Resonant Photoemission Observations and DFT Study of s-d Hybridization in Catalytically Active Gold Clusters on Ceria Nanorods. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6936-6939.	7.2	15
161	Magneto-electric magnetic tunnel junction logic devices. , 2015, , .		15
162	Epitaxial growth of iron iodide films on Fe(110). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1986, 4, 1518-1521.	0.9	14

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164	EXAFS and EPR analysis of the local structure of Mn-doped Li ₂ B ₄ O ₇ . Physica Status Solidi (B): Basic Research, 2013, 250, 1376-1383.	0.7	14
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