Peter A Dowben

List of Publications by Year
in descending order

347 papers	13,193 citations	38742 50 h-index	29157 104 g-index
356 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. Science, 2015, 347, 519-522.	12.6	4,156
2	Robust isothermal electric control of exchange bias at room temperature. Nature Materials, 2010, 9, 579-585.	27.5	528
3	Large-scale solution synthesis of narrow graphene nanoribbons. Nature Communications, 2014, 5, 3189.	12.8	271
4	Surface segregation and restructuring of colossal-magnetoresistant manganese perovskitesLa0.65Sr0.35MnO3. Physical Review B, 2000, 62, R14629-R14632.	3.2	163
5	Molecular adsorption on graphene. Journal of Physics Condensed Matter, 2014, 26, 443001.	1.8	161
6	Graphene-like Boronâ€“Carbonâ€“Nitrogen Monolayers. ACS Nano, 2017, 11, 2486-2493.	14.6	154
7	Characterization of boron carbide thin films fabricated by plasma enhanced chemical vapor deposition from boranes. Journal of Applied Physics, 1992, 72, 4925-4933.	2.5	146
8	Two-dimensional ferroelectrics. Physics-Uspekhi, 2000, 43, 243-257.	2.2	130
9	Are half-metallic ferromagnets half metals? (invited). Journal of Applied Physics, 2004, 95, 7453-7458.	2.5	128
10	A class of boron-rich solid-state neutron detectors. Applied Physics Letters, 2002, 80, 3644-3646.	3.3	124
11	Electric modulation of magnetization at the BaTiO3/La0.67Sr0.33MnO3 interfaces. Applied Physics Letters, 2012, 100, .	3.3	118
12	Interface effects in spin-polarized metal/insulator layered structures. Surface Science Reports, 2008, 63, 400-425.	7.2	113
13	The all boron carbide diode neutron detector: Comparison with theory. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 135, 129-133.	3.5	106
14	The metallicity of thin films and overlayers. Surface Science Reports, 2000, 40, 151-247.	7.2	105
15	Phase transition in the surface structure in copolymer films of vinylidene fluoride (70%) with trifluoroethylene (30%). Physical Review B, 2000, 61, 5760-5770.	3.2	103
16	Characterization of the native Cr2O3 oxide surface of CrO2. Applied Physics Letters, 2001, 79, 3122-3124.	3.3	101
17	Self-Assembly and Properties of Nonmetalated Tetraphenyl-Porphyrin on Metal Substrates. Journal of Physical Chemistry C, 2010, 114, 9408-9415.	3.1	101
18	Nanoscale polarization manipulation and conductance switching in ultrathin films of a ferroelectric copolymer. Applied Physics Letters, 2003, 82, 4322-4324.	3.3	97

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19	Imaging and Control of Surface Magnetization Domains in a Magnetoelectric Antiferromagnet. Physical Review Letters, 2011, 106, 087202.	7.8	96
20	Changes in Metallicity and Electronic Structure Across the Surface Ferroelectric Transition of Ultrathin Crystalline Poly(vinylidene Fluoride-Trifluoroethylene) Copolymers. Physical Review Letters, 1998, 80, 1328-1331.	7.8	94
21	Surfaces of the perovskite manganitesLa1â^'xCaxMnO3. Physical Review B, 1999, 59, 13453-13459.	3.2	91
22	Manganese surface segregation in NiMnSb. Applied Physics Letters, 2000, 76, 2349-2351.	3.3	90
23	A Handheld Neutron-Detection Sensor System Utilizing a New Class of Boron Carbide Diode. IEEE Sensors Journal, 2006, 6, 1531-1538.	4.7	79
24	Quasi-1D TiS₃ Nanoribbons: Mechanical Exfoliation and Thickness-Dependent Raman Spectroscopy. ACS Nano, 2018, 12, 12713-12720.	14.6	77
25	The finite-temperature densities of states for half-metallic ferromagnets. Europhysics Letters, 2002, 58, 544-548.	2.0	76
26	The heteroisomeric diode. Journal of Physics Condensed Matter, 2004, 16, L139-L146.	1.8	76
27	Initial and final state contributions of the core level shifts for Gd(0001). Solid State Communications, 1994, 91, 807-811.	1.9	74
28	Increasing the NÃ©el temperature of magnetoelectric chromia for voltage-controlled spintronics. Applied Physics Letters, 2014, 104, .	3.3	74
29	The spin state of a molecular adsorbate driven by the ferroelectric substrate polarization. Chemical Communications, 2014, 50, 2255.	4.1	74
30	THE PROBLEM OF THE BAND GAP IN LDA CALCULATIONS. Surface Review and Letters, 2007, 14, 481-487.	1.1	69
31	Spinâ€“orbit coupling in the band structure of monolayer WSe₂. Journal of Physics Condensed Matter, 2015, 27, 182201.	1.8	67
32	A review of the halogen adsorption process on metal surfaces. Critical Reviews in Solid State and Materials Sciences, 1987, 13, 191-210.	12.3	65
33	Simulations of ferroelectric polymer film polarization: The role of dipole interactions. Physical Review B, 2004, 69, .	3.2	65
34	Comparison of the temperature-dependent electronic structure of the perovskitesLa0.65A0.35MnO3(A=Ca,Ba). Physical Review B, 1996, 54, 17438-17451.	3.2	64
35	Self-assembled Fe nanowires using organometallic chemical vapor deposition and CaF2 masks on stepped Si(111). Applied Physics Letters, 2001, 78, 829-831.	3.3	64
36	Fabrication of n-type nickel doped B5C1+Î´ homojunction and heterojunction diodes. Applied Physics Letters, 1997, 70, 1028-1030.	3.3	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.	2.1	62
38	Toward Ferroelectric Control of Monolayer MoS₂. Nano Letters, 2015, 15, 3364-3369.	9.1	62
39	Graphene/Substrate Charge Transfer Characterized by Inverse Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 21618-21624.	3.1	61
40	Selective area deposition of boron on Si(111) induced by synchrotron radiation. Applied Physics Letters, 1991, 58, 607-609.	3.3	60
41	Determination of the surface Debye temperature of Mo(112) using valence band photoemission. Surface Science, 1996, 363, 296-302.	1.9	60
42	Effective surface Debye temperature for NiMnSb(100) epitaxial films. Applied Physics Letters, 2000, 77, 88-90.	3.3	58
43	Surface Electronic Structure of Hybrid Organo Lead Bromide Perovskite Single Crystals. Journal of Physical Chemistry C, 2016, 120, 21710-21715.	3.1	58
44	Surface state engineering of moleculeâ€“molecule interactions. Physical Chemistry Chemical Physics, 2012, 14, 4971.	2.8	56
45	Locking and Unlocking the Molecular Spin Crossover Transition. Advanced Materials, 2017, 29, 1702257.	21.0	55
46	Surface electronic phase transition in colossal magnetoresistive manganese perovskites: La0.65Sr0.35MnO3. Applied Physics Letters, 2000, 77, 570-572.	3.3	54
47	Gate-Controlled Metalâ€“Insulator Transition in TiS₃ Nanowire Field-Effect Transistors. ACS Nano, 2019, 13, 803-811.	14.6	54
48	Identification of electron and hole traps in lithium tetraborate (Li2B4O7) crystals: Oxygen vacancies and lithium vacancies. Journal of Applied Physics, 2010, 107, .	2.5	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.	1.8	50
50	Surface-induced spin state locking of the [Fe(H₂B(pz)₂)₂(bipy)] spin crossover complex. Journal of Physics Condensed Matter, 2016, 28, 206002.	1.8	50
51	Nonvolatile voltage controlled molecular spin state switching. Applied Physics Letters, 2019, 114, .	3.3	50
52	Electronic structure and stability of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi>PbB</mml:mi><mml:msub><mml:mi	3.2	49
53	Finite-temperature spin polarization in half-metallic ferromagnets. Journal of Applied Physics, 2003, 93, 7948-7950.	2.5	47
54	Magnetic ordering in Gd monopnictides: Indirect exchange versus superexchange interaction. Applied Physics Letters, 2006, 88, 182505.	3.3	47

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55	Direct graphene growth on MgO: origin of the band gap. Journal of Physics Condensed Matter, 2011, 23, 072204.	1.8	47
56	Oxidation of metals at the chromium oxide interface. Applied Physics Letters, 2002, 81, 2109-2111.	3.3	46
57	Synchrotronâ€radiationâ€induced deposition of boron and boron carbide films from boranes and carboranes: Decaborane. Journal of Applied Physics, 1991, 69, 4103-4109.	2.5	45
58	Water absorption and dielectric changes in crystalline poly(vinylidene fluoride-trifluoroethylene) copolymer films. Applied Physics Letters, 2004, 84, 88-90.	3.3	45
59	Phase Stability and Stoichiometry in Thin Film Iron Pyrite: Impact on Electronic Transport Properties. ACS Applied Materials & Interfaces, 2015, 7, 14130-14139.	8.0	45
60	Polarization-specific adsorption of organic molecules on ferroelectric LiNbO3 surfaces. Applied Physics Letters, 2010, 97, 243702.	3.3	43
61	Sublattice-induced symmetry breaking and band-gap formation in graphene. Materials Horizons, 2014, 1, 563-571.	12.2	43
62	Optical properties of boron carbide (B5C) thin films fabricated by plasmaâ€enhanced chemicalâ€vapor deposition. Journal of Applied Physics, 1996, 79, 8643-8647.	2.5	42
63	The incorporation of Nickel and Phosphorus dopants into Boron-Carbon alloy thin films. Applied Physics A: Materials Science and Processing, 1998, 67, 335-342.	2.3	42
64	Complexities in the Molecular Spin Crossover Transition. Journal of Physical Chemistry C, 2015, 119, 16293-16302.	3.1	41
65	Band structure of strained Gd(0001) films. Physical Review B, 2002, 66, .	3.2	40
66	Band structure characterization of WS2 grown by chemical vapor deposition. Applied Physics Letters, 2016, 108, .	3.3	40
67	Towards a Strong Spinâ€“Orbit Coupling Magnetoelectric Transistor. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2018, 4, 1-9.	1.5	40
68	The surface phases of the La0.65Pb0.35MnO3 manganese perovskite surface. Surface Science, 2002, 512, L346-L352.	1.9	39
69	Band filling and depletion through the doping of polyaniline thin films. Applied Physics Letters, 2002, 80, 4342-4344.	3.3	38
70	Self-assembly of strongly dipolar molecules on metal surfaces. Journal of Chemical Physics, 2015, 142, 101921.	3.0	38
71	The band structure of the quasi-one-dimensional layered semiconductor TiS3(001). Applied Physics Letters, 2018, 112, .	3.3	38
72	The anisotropic band structure of layered In4Se3(001). Journal of Applied Physics, 2008, 104, .	2.5	37

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73	Altering the Static Dipole on Surfaces through Chemistry: Molecular Films of Zwitterionic Quinonoids. Journal of the American Chemical Society, 2012, 134, 8494-8506.	13.7	37
74	The valence-band structure of La1âˆ'xCaxMnO3. Solid State Communications, 1996, 97, 39-44.	1.9	36
75	Lattice-Stiffening Transition in Copolymer Films of Vinylidene Fluoride (70%) with Trifluoroethylene (30%). Physical Review Letters, 1999, 83, 4562-4565.	7.8	36
76	The role of the interface in the electronic structure of adsorbed metal(II) (Co, Ni, Cu) phthalocyanines. Journal of Materials Chemistry, 2009, 19, 2172.	6.7	36
77	Interfacial Charge Engineering in Ferroelectricâ€Controlled Mott Transistors. Advanced Materials, 2017, 29, 1701385.	21.0	36
78	Electron and hole traps in Ag-doped lithium tetraborate (Li2B4O7) crystals. Journal of Applied Physics, 2011, 110, .	2.5	35
79	Electronic Structure of a Spin Crossover Molecular Adsorbate. Journal of Physical Chemistry C, 2012, 116, 23291-23296.	3.1	35
80	Substrate-induced magnetic ordering of rare-earth overlayers. Physical Review B, 1991, 43, 3171-3179.	3.2	34
81	The interplay between the surface band structure and possible surface reconstructions of Mo(112). European Physical Journal B, 2000, 14, 747-755.	1.5	34
82	Changes in screening and electron density across the coupled metallic-magnetic phase transition of La1â˜'xCaxMnO3. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 207, 367-373.	2.1	33
83	Heterojunction diode fabrication from polyaniline and a ferroelectric polymer. Applied Physics Letters, 2002, 81, 4281-4283.	3.3	33
84	EPR identification of defects responsible for thermoluminescence in Cu-doped lithium tetraborate (Li2B4O7) crystals. Journal of Luminescence, 2013, 139, 125-131.	3.1	33
85	Nickel doping of boron carbide grown by plasma enhanced chemical vapor deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 2957.	1.6	32
86	Surface structure of ultrathin copolymer films of ferroelectric vinylidene fluoride (70%) with trifluoroethylene (30%) on graphite. Physical Review B, 2004, 70, .	3.2	31
87	Dipole driven bonding schemes of quinonoid zwitterions on surfaces. Chemical Communications, 2012, 48, 7143.	4.1	31
88	Band gaps of doped and undoped films of molecular icosahedra. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 217-218, 64-68.	5.6	30
89	Surface photovoltage effects on the isomeric semiconductors of boron-carbide. Applied Physics Letters, 2004, 84, 1302-1304.	3.3	30
90	The electronic structure of surface chains in the layered semiconductor In4Se3(100). Applied Physics Letters, 2008, 92, 122107.	3.3	30

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91	The interface bonding and orientation of a quinonoid zwitterion. Physical Chemistry Chemical Physics, 2010, 12, 10329.	2.8	30
92	Occupied and unoccupied electronic structure of Na doped MoS2(0001). Applied Physics Letters, 2014, 105, .	3.3	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. Optics Express, 2016, 24, 1154.	3.4	30
94	The electronic properties of Au and Pt metal contacts on quasi-one-dimensional layered TiS3(001). Applied Physics Letters, 2019, 114, 101604.	3.3	30
95	Nickel doping of boronâ€“carbon alloy films and corresponding Fermi level shifts. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 854-859.	2.1	29
96	Voltage controlled NÃ©el vector rotation in zero magnetic field. Nature Communications, 2021, 12, 1674.	12.8	29
97	Nonvolatile Voltage Controlled Molecular Spin-State Switching for Memory Applications. Magnetochemistry, 2021, 7, 37.	2.4	29
98	Angle-resolved photoemission study of oxygen chemisorption on Gd(0001). Surface Science, 1995, 329, 177-183.	1.9	28
99	Comparing inverse photoemission and X-ray absorption spectroscopies. Journal of Electron Spectroscopy and Related Phenomena, 2002, 122, 259-273.	1.7	27
100	Organic spin valves with inelastic tunneling characteristics. Physical Review B, 2011, 83, .	3.2	27
101	Electronic structure and direct observation of ferrimagnetism in multiferroic hexagonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YbFeO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2017, 95, .	3.2	27
102	Synchrotron-radiation-induced deposition of boron and boron carbide films from boranes and carboranes II: Nido-2,3-diethyl-2,3-dicarbahexaborane. Applied Physics A: Solids and Surfaces, 1992, 54, 442-450.	1.4	26
103	Influence of dynamical scattering in crystalline poly(vinylidene fluoride-trifluoroethylene) copolymers. Applied Physics Letters, 1999, 74, 347-349.	3.3	26
104	Comparison of the electronic structure of two polymers with strong dipole ordering. Journal of Physics Condensed Matter, 2006, 18, L155-L161.	1.8	26
105	Titanium dioxide-molybdenum disulfide for photocatalytic degradation of methylene blue. Chemical Physics, 2019, 525, 110419.	1.9	26
106	The nonmetal to metal transition with alkali doping of films of molecular icosahedra. Chemical Physics Letters, 1997, 264, 168-173.	2.6	25
107	The electronic structure of oriented poly[2-methoxy-5-(2â€™-ethyl-hexyloxy)- 1,4-phenylene-vinylene]. Applied Physics A: Materials Science and Processing, 2005, 80, 483-488.	2.3	25
108	Effect of gadolinium doping on the electronic band structure of europium oxide. Physical Review B, 2012, 85, .	3.2	25

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109	Surface segregation from gold alloys. Gold Bulletin, 1987, 20, 54-65.	2.7	24
110	Oxygen Induced Suppression of the Surface Magnetization of Gd(0001). Physical Review Letters, 1996, 76, 2802-2805.	7.8	24
111	Magnetism of Cr-doped diamond-like carbon. Journal of Applied Physics, 2009, 105, .	2.5	24
112	The Electronic Structure and Secondary Pyroelectric Properties of Lithium Tetraborate. Materials, 2010, 3, 4550-4579.	2.9	24
113	Indications of magnetic coupling effects in spin cross-over molecular thin films. Chemical Communications, 2018, 54, 944-947.	4.1	24
114	Carbon nanotubes-molybdenum disulfide composite for enhanced hydrogen evolution reaction. Journal of Electroanalytical Chemistry, 2019, 845, 39-47.	3.8	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.	4.6	24
116	The interface electronic structure of thiol terminated molecules on cobalt and gold surfaces. Journal of Materials Science, 2006, 41, 6198-6206.	3.7	22
117	Ce-doped EuO: Magnetic properties and the indirect band gap. Journal of Applied Physics, 2011, 109, 07C311.	2.5	22
118	Magneto-electric antiferromagnetic spinâ€“orbit logic devices. Applied Physics Letters, 2020, 116, .	3.3	22
119	The effect of lateral interactions on the thermal desorption of N2 from Ni(100). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 2605-2609.	2.1	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.	2.3	21
121	Doping of boron carbides with cobalt, using cobaltocene. Applied Physics A: Materials Science and Processing, 2007, 89, 195-201.	2.3	21
122	Coverage-Dependent Interactions at the Organicsâ€“Metal Interface: Quinonoid Zwitterions on Au(111). Journal of Physical Chemistry C, 2013, 117, 16406-16415.	3.1	21
123	Spin polarization asymmetry at the surface of chromia. New Journal of Physics, 2014, 16, 073021.	2.9	21
124	Effect of Band Symmetry on Photocurrent Production in Quasi-One-Dimensional Transition-Metal Trichalcogenides. ACS Applied Materials & Interfaces, 2020, 12, 40525-40531.	8.0	21
125	Electronic structure and polymerization of a self-assembled monolayer with multiple arene rings. Physical Review B, 2006, 74, .	3.2	20
126	The n-type Gd-doped HfO2 to silicon heterojunction diode. Applied Physics A: Materials Science and Processing, 2007, 89, 489-492.	2.3	20

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127	The unoccupied electronic structure characterization of hydrothermally grown ThO₂ single crystals. Physica Status Solidi - Rapid Research Letters, 2014, 8, 283-286.	2.4	20
128	On the structural origin of the single-ion magnetic anisotropy in LuFeO₃. Journal of Physics Condensed Matter, 2016, 28, 156001.	1.8	20
129	The structural homogeneity of boron carbide thin films fabricated using plasmaâ€enhanced chemical vapor deposition from B5H9+CH4. Journal of Applied Physics, 1993, 74, 6919-6924.	2.5	19
130	Zero-bias anomaly in CrO 2 junctions. Europhysics Letters, 2002, 58, 448-454.	2.0	19
131	Lattice-stiffening transition in gadolinium chains on furrowed (112) surfaces. Journal of Physics Condensed Matter, 2004, 16, 4711-4724.	1.8	19
132	Magnetoelectric Fe₂TeO₆thin films. Journal of Physics Condensed Matter, 2014, 26, 055012.	1.8	19
133	Semiconducting boron carbides with better charge extraction through the addition of pyridine moieties. Journal Physics D: Applied Physics, 2016, 49, 355302.	2.8	19
134	Moving towards the magnetoelectric graphene transistor. Applied Physics Letters, 2017, 111, 182402.	3.3	19
135	Effects of Gd Doping and Oxygen Vacancies on the Properties of EuO Films Prepared via Pulsed Laser Deposition. IEEE Transactions on Magnetics, 2010, 46, 1879-1882.	2.1	18
136	Schottky barrier formation at the Au to rare earth doped GaN thin film interface. EPJ Applied Physics, 2011, 55, 31301.	0.7	18
137	Approaching an organic semimetal: Electron pockets at the Fermi level for a pâ€benzoquinonemonoimine zwitterion. Physica Status Solidi (B): Basic Research, 2012, 249, 1571-1576.	1.5	18
138	Effective mass and band gap of strained graphene. Current Applied Physics, 2014, 14, S136-S139.	2.4	18
139	Influence of steric hindrance on the molecular packing and the anchoring of quinonoid zwitterions on gold surfaces. New Journal of Chemistry, 2016, 40, 5782-5796.	2.8	18
140	Tunable spin-state bistability in a spin crossover molecular complex. Journal of Physics Condensed Matter, 2019, 31, 315401.	1.8	18
141	Surface segregation in binary alloys. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1986, 4, 1675-1679.	2.1	17
142	Can photoemission accurately probe the bulk electronic structure of the complex oxides?. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 2950-2955.	2.1	17
143	Electronic-structure modifications induced by surface segregation in La 0.65 Pb 0.35 MnO 3 thin films. Europhysics Letters, 2001, 56, 722-728.	2.0	17
144	Theoretical study of the magnetic ordering in rare-earth compounds with face-centered-cubic structure. Journal of Applied Physics, 2005, 97, 10A915.	2.5	17

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145	Compact-device model development for the energy-delay analysis of magneto-electric magnetic tunnel junction structures. Semiconductor Science and Technology, 2016, 31, 065022.	2.0	17
146	The emergence of the local moment molecular spin transistor. Journal of Physics Condensed Matter, 2020, 32, 234002.	1.8	17
147	Evolving magneto-electric device technologies. Semiconductor Science and Technology, 2020, 35, 073001.	2.0	17
148	Surface termination and Schottky-barrier formation of In₄Se₃(001). Semiconductor Science and Technology, 2020, 35, 065009.	2.0	17
149	Electronâ€beamâ€induced patterned deposition of allylcyclopentadienyl palladium using scanning tunneling microscopy. Journal of Applied Physics, 1994, 76, 7639-7641.	2.5	16
150	The anomalous effective surface Debye temperature of ErAs (100). Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 302, 217-223.	2.1	16
151	Graphene on Ru(0001): Evidence for two graphene band structures. Physical Review B, 2012, 85, .	3.2	16
152	Weak screening of a large dipolar molecule adsorbed on graphene. Carbon, 2012, 50, 1981-1986.	10.3	16
153	Novel semiconducting boron carbide/pyridine polymers for neutron detection at zero bias. Applied Physics A: Materials Science and Processing, 2015, 118, 113-118.	2.3	16
154	Epitaxial growth of cobalt oxide phases on Ru(0001) for spintronic device applications. Semiconductor Science and Technology, 2017, 32, 095011.	2.0	16
155	Gold Dispersion and Activation on the Basal Plane of Single-Layer MoS₂. Journal of Physical Chemistry C, 2018, 122, 267-273.	3.1	16
156	The influence of interfaces on magnetic thin films and multilayers. Journal of Physics Condensed Matter, 1992, 4, 7985-7996.	1.8	15
157	Different approaches to adjusting band offsets at intermolecular interfaces. Applied Surface Science, 2008, 254, 4238-4244.	6.1	15
158	The local structure of transition metal doped semiconducting boron carbides. Journal Physics D: Applied Physics, 2010, 43, 085403.	2.8	15
159	Novel semiconducting alloy polymers formed from ortho-carborane and 1,4-diaminobenzene. Materials Chemistry and Physics, 2012, 133, 901-906.	4.0	15
160	Resonant Photoemission Observations and DFT Study of sâ€“d Hybridization in Catalytically Active Gold Clusters on Ceria Nanorods. Angewandte Chemie - International Edition, 2013, 52, 6936-6939.	13.8	15
161	Magneto-electric magnetic tunnel junction logic devices. , 2015, , .		15
162	Epitaxial growth of iron iodide films on Fe(110). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1986, 4, 1518-1521.	2.1	14

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163	The surface terminal layer and composition of the colossal magnetoresistance perovskite: La0.65Pb0.35MnO3. Journal of Applied Physics, 2000, 87, 6104-6106.	2.5	14
164	EXAFS and EPR analysis of the local structure of Mnâ€doped Li₂B₄O₇. Physica Status Solidi (B): Basic Research, 2013, 250, 1376-1383.	1.5	14
165	Magnetoelectric coupling at the EuO/BaTiO3 interface. Applied Physics Letters, 2013, 102, .	3.3	14
166	Interface-Induced Spin Polarization in Graphene on Chromia. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	14
167	Electronic structure of cyclodextrinâ€“carbon nanotube composite films. RSC Advances, 2017, 7, 10968-10972.	3.6	14
168	Identification of the possible defect states in poly(3â€hexylthiophene) thin films. Polymer Engineering and Science, 2007, 47, 1359-1364.	3.1	13
169	The surface core level shift for lithium at the surface of lithium borate. Physica B: Condensed Matter, 2010, 405, 461-464.	2.7	13
170	Lock and Key Adsorption Chemistry: Preferential Absorption of an Isomer of Di-iodobenzene on Molecular Films of Quinonoid Zwitterions. Journal of Physical Chemistry C, 2011, 115, 2812-2818.	3.1	13
171	Fermi surface of Mo(112) and indirect interaction between adsorbed atoms. Physical Review B, 2012, 86, .	3.2	13
172	Sign of the superexchange coupling between next-nearest neighbors in EuO. Physical Review B, 2012, 86, .	3.2	13
173	Magneto-electric magnetic tunnel junction as process adder for non-volatile memory applications. , 2015, , .		13
174	Phase separation in LuFeO3 films. Applied Physics Letters, 2016, 108, .	3.3	13
175	Magnetization at the interface of Cr₂O₃and paramagnets with large stoner susceptibility. Journal of Physics Condensed Matter, 2017, 29, 10LT01.	1.8	13
176	Cyclodextrin-carbon nanotube composites for fluorescent detection of cholesterol. Chemical Physics Letters, 2017, 687, 222-226.	2.6	13
177	Inkjet printable-photoactive all inorganic perovskite films with long effective photocarrier lifetimes. Journal of Physics Condensed Matter, 2018, 30, 18LT02.	1.8	13
178	Band-to-band transitions and critical points in the near-infrared to vacuum ultraviolet dielectric functions of single crystal urania and thoria. Applied Physics Letters, 2019, 114, .	3.3	13
179	Site selective adsorption of the spin crossover complex Fe(phen)2(NCS) on Au(111). Journal of Physics Condensed Matter, 2020, 32, 324003.	1.8	13
180	Magnetic coupling in Co/Cr2O3/CrO2 â€œtrilayerâ€•films. Applied Physics Letters, 2003, 82, 1443-1445.	3.3	12

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181	Defect contributions to conductivity in poly(3-hexylthiophene)?. Physica Status Solidi (B): Basic Research, 2006, 243, 1321-1330.	1.5	12
182	Orderâ€“disorder transition for corrugated Au layers. Applied Surface Science, 2010, 256, 4796-4800.	6.1	12
183	Novel Cross-Linked Ortho-Carborane and Ortho-Carborane:Y (Y=1,4-Diaminobenzene, Pyridine, Benzene) Polymer Films: A New Class of Carborane-Based Materials with Tunable Electronic Structure. ECS Transactions, 2013, 53, 303-310.	0.5	12
184	High-Resolution Angle-Resolved Photoemission Study of Quasi-One-Dimensional Semiconductor In₄Se₃. Journal of the Physical Society of Japan, 2015, 84, 074710.	1.6	12
185	Adsorbate doping of MoS₂and WSe₂: the influence of Na and Co. Journal of Physics Condensed Matter, 2017, 29, 285501.	1.8	12
186	Nonuniform Debye Temperatures in Quasi-One-Dimensional Transition-Metal Trichalcogenides. , 2021, 3, 414-419.		12
187	The electronic band structure of quasi-one-dimensional van der Waals semiconductors: the effective hole mass of ZrS₃ compared to TiS₃. Journal of Physics Condensed Matter, 2020, 32, 29LT01.	1.8	12
188	Halogen Overlayer Structures on Fe(110). Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1986, 90, 281-284.	0.9	11
189	The experimentally determined thin-film limit to the Ginzburg-Landau model of thin-film magnetism. Journal of Magnetism and Magnetic Materials, 1993, 125, 120-124.	2.3	11
190	Substrate-induced magnetic ordering of rare-earth overlayers: II. Journal of Physics Condensed Matter, 1993, 5, 5459-5470.	1.8	11
191	Spin polarization of the conduction bands and secondary electrons of Gd(0001). Journal of Applied Physics, 1996, 79, 5838.	2.5	11
192	Fabrication of large arrays of micronâ€scale magnetic features by selective area organometallic chemical vapor deposition. Journal of Applied Physics, 1996, 80, 1867-1871.	2.5	11
193	Engineering of the electronic structure in an aromatic dithiol monomolecular organic insulator. Journal of Materials Chemistry, 2006, 16, 4343.	6.7	11
194	The effect of defects on the electronic structure of long chain ferroelectric polymers. Journal of Applied Physics, 2009, 106, .	2.5	11
195	Insights into the local electronic structure of semiconducting boron carbides in the vicinity of transition metal dopants. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 175, 1-8.	3.5	11
196	Photofragmentation of the closo-Carboranes Part II: VUV Assisted Dehydrogenation in the closo-Carboranes and Semiconducting B10C2Hx Films. Journal of Physical Chemistry A, 2010, 114, 7284-7291.	2.5	11
197	When measured spin polarization is not spin polarization. Journal of Physics Condensed Matter, 2011, 23, 171001.	1.8	11
198	Ultrathin chromia films grown with preferential texture on metallic, semimetallic and insulating substrates. Materials Chemistry and Physics, 2015, 149-150, 113-123.	4.0	11

#	Article	IF	Citations
199	Methoxy Formation Induced Defects on MoS₂. Journal of Physical Chemistry C, 2018, 122, 10042-10049.	3.1	11
200	Anisotropic Properties of Quasiâ€1D In₄Se₃: Mechanical Exfoliation, Electronic Transport, and Polarizationâ€Dependent Photoresponse. Advanced Functional Materials, 2021, 31, 2106459.	14.9	11
201	Evidence for surface effects on the intermolecular interactions in Fe(<scp>ii</scp>) spin crossover coordination polymers. Physical Chemistry Chemical Physics, 2022, 24, 883-894.	2.8	11
202	The influence of chemical environment upon the mercury 5d electronic structure. Surface and Interface Analysis, 1990, 15, 163-166.	1.8	10
203	Selective area, synchrotron radiation induced, delta doping of silicon. Journal of Applied Physics, 1992, 71, 4795-4798.	2.5	10
204	The local environment of Co in B5CHx. Journal of Applied Physics, 2008, 103, 07D125.	2.5	10
205	Induced magneto-electric coupling in ferroelectric/ferromagnetic heterostructures. Applied Physics Letters, 2013, 103, 072902.	3.3	10
206	The Dipole Mediated Surface Chemistry of p-Benzoquinonemonoimine Zwitterions. Topics in Catalysis, 2013, 56, 1096-1103.	2.8	10
207	Evidence of band bending and surface Fermi level pinning in graphite oxide. Carbon, 2013, 57, 227-231.	10.3	10
208	Electronic structure of hydrothermally synthesized single crystal U_{0.22}Th_{0.78}O₂. Physica Status Solidi (B): Basic Research, 2016, 253, 1970-1976.	1.5	10
209	pH-Induced Surface Modification of Atomically Precise Silver Nanoclusters: An Approach for Tunable Optical and Electronic Properties. Inorganic Chemistry, 2016, 55, 11522-11528.	4.0	10
210	Increased drift carrier lifetime in semiconducting boron carbides deposited by plasma enhanced chemical vapor deposition from carboranes and benzene. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	2.1	10
211	Probing the unpaired Fe spins across the spin crossover of a coordination polymer. Materials Advances, 2021, 2, 760-768.	5.4	10
212	Potential of Nonvolatile Magnetoelectric Devices for Spintronic Applications. , 2015, , 255-278.		10
213	Apparatus for spin-polarized inverse photoemission and spin scattering. , 2000, 3945, 6.		9
214	Spin blockade effects in chromium oxide intergrain magnetoresistance. Journal of Applied Physics, 2002, 91, 8801.	2.5	9
215	Photoemission forward scattering from ErAs(100)/GaAs(100). Materials Letters, 2004, 58, 2993-2996.	2.6	9
216	The effective surface Debye temperature of Yb:GaN. Materials Letters, 2011, 65, 1476-1478.	2.6	9

#	Article	IF	Citations
217	New view of the occupied band structure of Mo(112). Physical Review B, 2012, 85, .	3.2	9
218	Significant magneto-resistive effects in boron carbide thin films. Materials Letters, 2013, 110, 20-23.	2.6	9
219	Symmetry-resolved surface-derived electronic structure of MoS₂(0â€‰0â€‰0â€‰1). Journal of Physics Condensed Matter, 2014, 26, 455501.	1.8	9
220	Changing molecular band offsets in polymer blends of (P3HT/P(VDFâ€“TrFE)) poly(3-hexylthiophene) and poly(vinylidene fluoride with trifluoroethylene) due to ferroelectric poling. RSC Advances, 2014, 4, 3020-3027.	3.6	9
221	Compact Modeling and Design of Magneto-Electric Transistor Devices and Circuits. , 2018, , .		9
222	Indium segregation to the selvedge of In4Se3 (001). Physica B: Condensed Matter, 2020, 593, 412280.	2.7	9
223	Reversible Mn segregation at the polar surface of lithium tetraborate. Applied Physics Letters, 2013, 102, 161602.	3.3	8
224	The stability and surface termination of hexagonal LuFeO₃. Journal of Physics Condensed Matter, 2015, 27, 175004.	1.8	8
225	Strong binding at the gold (Au) boron carbide interface. Surface and Coatings Technology, 2017, 314, 51-54.	4.8	8
226	Rotationally Free and Rigid Sublattices of the Single Crystal Perovskite CH₃NH₃PbBr₃ (001): The Case of the Lattice Polar Liquid. Journal of Physical Chemistry C, 2018, 122, 25506-25514.	3.1	8
227	Dynamics of Spin Crossover Molecular Complexes. Nanomaterials, 2022, 12, 1742.	4.1	8
228	Characterization of Boron Carbide Films Formed by PECVD. Materials Research Society Symposia Proceedings, 1992, 242, 637.	0.1	7
229	Canted Magnetic Moments at the Gd (0001) Surface. Materials Research Society Symposia Proceedings, 1993, 313, 451.	0.1	7
230	Fabrication of Micron Scale Magnetic Nickel Features by Selective Area Organometallic Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 1997, 475, 257.	0.1	7
231	Strain and strain relief in Gd(0001) films on Mo(112). IEEE Transactions on Magnetics, 2000, 36, 2915-2917.	2.1	7
232	The coadsorption and interaction of molecular icosahedra with mercury. Applied Physics A: Materials Science and Processing, 2005, 81, 1613-1618.	2.3	7
233	The gold and oxygen (3Ã—1) structures on W(112). Applied Surface Science, 2008, 254, 4326-4331.	6.1	7
234	The symmetry-resolved electronic structure of 2H-WSe₂(0â€‰0â€‰0â€‰1). Journal of Physics Condensed Matter, 2016, 28, 345503.	1.8	7

#	Article	IF	Citations
235	Composition-Dependent Charge Transport in Boron Carbides Alloyed with Aromatics: Plasma Enhanced Chemical Vapor Deposition Aniline/Orthocarborane Films. Langmuir, 2018, 34, 12007-12016.	3.5	7
236	Perturbing the spin crossover transition activation energies in Fe(H2B(pz)2)2(bipy) with zwitterionic additions. Journal of Physics Condensed Matter, 2018, 30, 305503.	1.8	7
237	Infrared-active phonon modes in single-crystal thorium dioxide and uranium dioxide. Journal of Applied Physics, 2020, 127, .	2.5	7
238	X-ray photoemission studies of BiInO3: Surface termination and effective Debye temperature. Journal of Applied Physics, 2021, 130, .	2.5	7
239	MeF-RAM: A New Non-Volatile Cache Memory Based on Magneto-Electric FET. ACM Transactions on Design Automation of Electronic Systems, 2022, 27, 1-18.	2.6	7
240	Surface and dynamical properties of GeI₂. 2D Materials, 2022, 9, 025001.	4.4	7
241	Effect of Au/HfS₃ interfacial interactions on properties of HfS₃-based devices. Physical Chemistry Chemical Physics, 2022, 24, 14016-14021.	2.8	7
242	Conductance in Microcrystalline B_{bx}C_x/Si Heterojunction Diodes. Materials Research Society Symposia Proceedings, 1992, 283, 483.	0.1	6
243	Coverage-dependent changes in the electronâ€“phonon coupling in Au/Mo(112). Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 318-322.	1.7	6
244	Enhanced electron-phonon coupling at the Au/Mo(112) surface. Physical Review B, 2012, 86, .	3.2	6
245	Adsorption of TCNQH-functionalized quinonoid zwitterions on gold and graphene: evidence for dominant intermolecular interactions. RSC Advances, 2013, 3, 10956.	3.6	6
246	Adsorption configurations of carbon monoxide on gold monolayer supported by graphene or monolayer hexagonal boron nitride: a first-principles study. European Physical Journal B, 2013, 86, 1.	1.5	6
247	The Debye Temperature for Hydrothermally Grown ThO₂ Single Crystals. Materials Research Society Symposia Proceedings, 2013, 1576, 1.	0.1	6
248	The lattice stiffening transition in UO₂single crystals. Journal of Physics Condensed Matter, 2017, 29, 035005.	1.8	6
249	Electrical and material properties of hydrothermally grown single crystal (111) UO2. European Physical Journal B, 2018, 91, 1.	1.5	6
250	Improved a-B10C2+xHy/Si p-n heterojunction performance after neutron irradiation. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 011207.	1.2	6
251	Contributions of the lead-bromine weighted bands to the occupied density of states of the hybrid tri-bromide perovskites. Applied Physics Letters, 2018, 113, 022101.	3.3	6
252	Fluorescent detection of cholesterol using p-Sulfonatocalix[4]arene functionalized carbon nanotubes and thermally reduced graphite oxide composites. Chemical Physics Letters, 2020, 738, 136856.	2.6	6

#	Article	IF	Citations
253	Optical, electronic and visible-range photo-electronic properties of boron carbide-indole films. Journal Physics D: Applied Physics, 2020, 53, 355101.	2.8	6
254	Complexities at the Au/ZrS₃(001) interface probed by x-ray photoemission spectroscopy. Journal of Physics Condensed Matter, 2021, 33, 434001.	1.8	6
255	Magnetic Field Perturbations to a Soft X-ray-Activated Fe (II) Molecular Spin State Transition. Magnetochemistry, 2021, 7, 135.	2.4	6
256	Evidence for long drift carrier lifetimes in [Fe(Htrz)2(trz)](BF4) plus polyaniline composites. Organic Electronics, 2022, 105, 106516.	2.6	6
257	The D-Band Exchange Splitting for Thin Gadolinium Overlayers. Materials Research Society Symposia Proceedings, 1989, 151, 71.	0.1	5
258	Scanning tunneling microscopy study of intermediates in the dissociative adsorption of closo-1,2-dicarbadodecaborane on Si(111). Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 1203.	1.6	5
259	4f hybridization and band dispersion in gadolinium thin films and compounds. Physica Status Solidi (B): Basic Research, 2009, 246, 975-980.	1.5	5
260	Localization and screening in GdNi alloy films. Physica Status Solidi (B): Basic Research, 2011, 248, 1253-1257.	1.5	5
261	The band structure of carbonmonoxide on 2-D Au islands on graphene. Applied Surface Science, 2014, 304, 35-39.	6.1	5
262	Low temperature growth of cobalt on Cr₂O₃(0â€‰0â€‰0â€‰1). Journal of Physics Condensed Matter, 2016, 28, 046002.	1.8	5
263	Changes in molecular film metallicity with minor modifications of the constitutive quinonoid zwitterions. RSC Advances, 2017, 7, 21906-21917.	3.6	5
264	Band Bending at the Gold (Au)/Boron Carbide-Based Semiconductor Interface. Zeitschrift Fur Physikalische Chemie, 2018, 232, 893-905.	2.8	5
265	Electrical and structural characterization of neutron irradiated amorphous boron carbide/silicon p-n heterojunctions. Nuclear Instruments & Methods in Physics Research B, 2018, 432, 48-54.	1.4	5
266	Long carrier lifetimes in crystalline lithium tetraborate. Materials Letters, 2021, 297, 129978.	2.6	5
267	Graphene on Chromia: A System for Beyondâ€Roomâ€Temperature Spintronics. Advanced Materials, 2022, 34, e2105023.	21.0	5
268	Novel Methods for Deposition of Boron Carbide Films. Materials Research Society Symposia Proceedings, 1990, 190, 101.	0.1	4
269	Retractable miniature double pass cylindrical mirror analyzers. Review of Scientific Instruments, 1998, 69, 3805-3808.	1.3	4
270	Noncollinear spin states and competing interactions in half-metals and magnetic perovskites. Journal of Applied Physics, 2005, 97, 10C305.	2.5	4

#	Article	IF	Citations
271	Electronic structure evidence for allâ€trans poly(methylvinylidene cyanide). Polymer Engineering and Science, 2008, 48, 1649-1654.	3.1	4
272	Fission processes following core level excitation in closo â€1,2â€orthocarborane. Physica Status Solidi (B): Basic Research, 2009, 246, 1496-1503.	1.5	4
273	Magnetic surface states in high polarization materials. , 2011, , .		4
274	Symmetry-protected surface state on Mo(1â€‰1â€‰2). Journal of Physics Condensed Matter, 2014, 26, 155501.	1.8	4
275	Neutron Detection Signatures at Zero Bias in Novel Semiconducting Boron Carbide/Pyridine Polymers. Materials Research Society Symposia Proceedings, 2015, 1743, 51.	0.1	4
276	The surface stability of Cr₂O₃(0â€‰0â€‰0â€‰1). Journal of Physics Condensed Matter, 2015, 27, 255003.	1.8	4
277	Oxidative peeling of carbon black nanoparticles. RSC Advances, 2015, 5, 92539-92544.	3.6	4
278	Multi-bit adder design using ME-MTJ technology. , 2016, , .		4
279	Manipulation of the molecular spin crossover transition of Fe(H2B(pz)2)2(bipy) by addition of polar molecules. Journal of Physics Condensed Matter, 2020, 32, 034001.	1.8	4
280	Detection of decoupled surface and bulk states in epitaxial orthorhombic SrIrO3 thin films. AIP Advances, 2020, 10, 045027.	1.3	4
281	Colossal intrinsic exchange bias from interfacial reconstruction in epitaxial CoFe2O4/Al2O3 thin films. Physical Review B, 2021, 103, .	3.2	4
282	Probing ferroelectricity by x-ray absorption spectroscopy in molecular crystals. Physical Review Materials, 2020, 4, .	2.4	4
283	Evidence of dynamical effects and critical field in a cobalt spin crossover complex. Chemical Communications, 2022, 58, 661-664.	4.1	4
284	Laser-Induced Selective Copper Deposition on Polyimides and Semiconductors. Materials Research Society Symposia Proceedings, 1992, 282, 185.	0.1	3
285	Layerâ€byâ€layer growth of Hg on W(110). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 2190-2195.	2.1	3
286	Comments on some experimental measures of the nonâ€“metal to metal transition in thin films. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1998, 356, 267-278.	3.4	3
287	The influence of both coordination number and lattice constant on the nonmetal to metal transition. Journal of Chemical Physics, 2000, 112, 7622-7626.	3.0	3
288	Origin of the magnetic moments in La0.65Pb0.35MnO3 epitaxial thin films. Journal of Applied Physics, 2000, 87, 5606-5608.	2.5	3

#	Article	IF	Citations
289	Preferential orientation of short chain vapor deposited polyaniline thin films on gold. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 741-743.	2.1	3
290	Interfaces with vapor-evaporated polyaniline thin films. Applied Physics A: Materials Science and Processing, 2003, 77, 155-158.	2.3	3
291	Performance evaluation of neutron detectors incorporating intrinsic Gd using a GEANT4 modeling approach. Materials Research Society Symposia Proceedings, 2011, 1341, 1.	0.1	3
292	The Electronic Structure Signature of the Spin Cross-Over Transition of [Co(dpzca)₂]. Zeitschrift Fur Physikalische Chemie, 2018, 232, 445-458.	2.8	3
293	Chemical and electronic structure of composite films deposited by plasma-enhanced chemical vapor deposition from orthocarborane and pyridine source compounds. Journal of Electron Spectroscopy and Related Phenomena, 2018, 223, 21-28.	1.7	3
294	Building the Quasi One Dimensional Transistor from 2D Materials. , 2019, , .		3
295	Reply to â€œComment on â€˜Gate-Controlled Metalâ€“Insulator Transition in TiS₃ Nanowire Field-Effect Transistorsâ€™â€•. ACS Nano, 2019, 13, 8498-8500.	14.6	3
296	Inkjet Printing All Inorganic Halide Perovskite Inks for Photovoltaic Applications. Journal of Visualized Experiments, 2019, , .	0.3	3
297	The importance of frontier orbital symmetry in the adsorption of diiodobenzene on MoS2(0001). Surface Science, 2020, 702, 121708.	1.9	3
298	The band shifts in MoS₂(0001) and WSe₂(0001) induced by palladium adsorption. Journal of Physics Condensed Matter, 2020, 32, 465001.	1.8	3
299	Intermolecular Interaction and Cooperativity in an Fe(II) Spin Crossover Molecular Thin Film System. Journal of Physics Condensed Matter, 2022, 34, .	1.8	3
300	Structural and Electronic Changes in the Growth of Mercury Overlayers on Cu(001): A Helium Beam Scattering, Leed and Arpes Study. Materials Research Society Symposia Proceedings, 1990, 187, 243.	0.1	2
301	A Landau-Ginzburg Description of Sb Overlayers. Materials Research Society Symposia Proceedings, 2001, 674, 1.	0.1	2
302	The chromium site in doped glassy lithium tetraborate. Materials Chemistry and Physics, 2014, 147, 492-495.	4.0	2
303	Some device implications of voltage controlled magnetic anisotropy in Co/Gd2O3 thin films through REDOX chemistry. Journal of Magnetism and Magnetic Materials, 2018, 451, 487-492.	2.3	2
304	Possible detection of low energy solar neutrons using boron based materials. Radiation Measurements, 2019, 129, 106190.	1.4	2
305	Preface to the JPCM Special Issue on Molecular Magnetism. Journal of Physics Condensed Matter, 2020, 32, 440201.	1.8	2
306	Substrate Dependent Bonding of Chemisorbed 1,1'-Biphenyl-4,4'-Dimethanethiol. Materials Research Society Symposia Proceedings, 2003, 775, 6121.	0.1	2

#	Article	IF	Citations
307	X-ray photoemission studies of the interaction of metals and metal ions with DNA. Zeitschrift Fur Physikalische Chemie, 2021, .	2.8	2
308	Surface-to-bulk core level shift in CoFe2O4 thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 023201.	2.1	2
309	Power and polarization-dependent photoresponse of quasi-one-dimensional In4Se3. MRS Advances, 0, , 1.	0.9	2
310	Surface Lattice Strain and the Electronic Structure of Thin Mercury Overlayers. Materials Research Society Symposia Proceedings, 1988, 143, 85.	0.1	1
311	Thermal Desorption of Hg Monolayers from Cu(100). Materials Research Society Symposia Proceedings, 1991, 229, 221.	0.1	1
312	The Paramagnetic Correlation Length of Mn Thin Films. Materials Research Society Symposia Proceedings, 1994, 375, 81.	0.1	1
313	Unoccupied band structure of strained gadolinium. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 1319-1321.	2.1	1
314	Structure and Hysteresis of Patterned Soft-Magnetic Structures. Physica Status Solidi A, 1999, 174, R15-R16.	1.7	1
315	Magnetic spectroscopy and characterization of La0.65Pb0.35MnO3. Journal of Applied Physics, 2000, 87, 7124-7126.	2.5	1
316	ESR investigations on Ca perovskite. Materials Research Society Symposia Proceedings, 2000, 614, 8111.	0.1	1
317	Mercury and C2B10 Icosahedra Interaction. Materials Research Society Symposia Proceedings, 2004, 848, 348.	0.1	1
318	The Local Structure and I-V Characteristics of Chromium Doped Semiconducting Boron Carbide. Materials Research Society Symposia Proceedings, 2011, 1307, 1.	0.1	1
319	Photovoltaics: The Complete Inâ€Gap Electronic Structure of Colloidal Quantum Dot Solids and Its Correlation with Electronic Transport and Photovoltaic Performance (Adv. Mater. 6/2014). Advanced Materials, 2014, 26, 822-822.	21.0	1
320	Strain induced super-paramagnetism in Cr2O3 in the ultra thin film limit. Materials Research Society Symposia Proceedings, 2015, 1729, 79-83.	0.1	1
321	Magneto-electric magnetic tunnel junction based analog circuit options. , 2017, , .		1
322	Unipolar magnetoelectric magnetic tunnel junction devices and circuits. , 2017, , .		1
323	Ordered three-fold symmetric graphene oxide/buckled graphene/graphene heterostructures on MgO(111) by carbon molecular beam epitaxy. Journal of Materials Chemistry C, 2018, 6, 4225-4233.	5.5	1
324	Nonvolatile magneto-electric field effect transistors for spintronic memory and logic. , 2018, , .		1

#	Article	IF	Citations
325	Ultrathin Chromia on a Hexagonally-Ordered d⁰ Ferromagnet: Evidence of Interfacial Exchange Bias at the Cr₂O₃/TiO_{2â€“x} Interface. Langmuir, 2019, 35, 14797-14803.	3.5	1
326	Electronic band structure of iridates. Materials Horizons, 2021, 8, 2151-2168.	12.2	1
327	Magneto-electric Transistor Devices and Circuits with Steering Logic. , 2020, , .		1
328	Graphene on Chromia: A System for Beyondâ€Roomâ€Temperature Spintronics (Adv. Mater. 12/2022). Advanced Materials, 2022, 34, .	21.0	1
329	Methanol carbonylation to acetaldehyde on Au particles supported by single-layer MoS₂ grown on silica. Journal of Physics Condensed Matter, 2022, 34, 104005.	1.8	1
330	Effects of intercalation on bandgap of pristine two-dimensional layered GeI2. MRS Advances, 0, , .	0.9	1
331	Summary Abstract: Formation of Cr2N overlayers on a Fe/Cr{110} crystal. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 784-786.	2.1	0
332	Demonstrating the Utility of Boron Based Precursor Molecules for Selective Area DepositIon in a Scanning Tunnelling Microscope. Materials Research Society Symposia Proceedings, 1991, 236, 153.	0.1	0
333	The Spin Polarized Band Structure of Strained Thin Films of Gadolinium. Materials Research Society Symposia Proceedings, 1998, 524, 191.	0.1	0
334	The Influence of Patterning in Co And Co/Pd Multilayer Structures. Materials Research Society Symposia Proceedings, 1999, 562, 63.	0.1	0
335	Exploring the Surface of Pb-doped Manganese Perovskite. Microscopy and Microanalysis, 2002, 8, 394-395.	0.4	0
336	TEM Study of Epitaxial Growth of La0.65Pb0.35MnO3 on LaAlO3 and Its Relation to Electronic Structure and Spin Polarization. Microscopy and Microanalysis, 2002, 8, 1374-1375.	0.4	0
337	The Electronic Structure of 1,7-PCB10H11 Molecular Films. Materials Research Society Symposia Proceedings, 2006, 967, 1.	0.1	0
338	Angle Resolved Thermal Desorption Studies for Poly(methylvinylidene cyanide) and Poly(vinylidenefluoride trifluoroethylene). Materials Research Society Symposia Proceedings, 2006, 947, 1.	0.1	0
339	Intermolecular Band Dispersion for Self-Assembly Monolayers of A Polyphenyl Thiol. Molecular Crystals and Liquid Crystals, 2007, 468, 43/[395]-52/[404].	0.9	0
340	Preparation and Characterization of Periodically Poled Ferroelectric Lithium Niobate (LiNbO3). Materials Research Society Symposia Proceedings, 2010, 1255, 205.	0.1	0
341	SIMULATIONS OF MOLECULAR PACKING ON A NON-INTERACTING HEXAGONAL LATTICE SUBSTRATE. Surface Review and Letters, 2012, 19, 1250020.	1.1	0
342	Direct growth of graphene on nitride and oxide substrates. , 2012, , .		0

#	Article	IF	Citations
343	Back Cover: Approaching an organic semimetal: Electron pockets at the Fermi level for a pâ€benzoquinonemonoimine zwitterion (Phys. Status Solidi B 8/2012). Physica Status Solidi (B): Basic Research, 2012, 249, .	1.5	0
344	Sulfur Segregation and Surface Site Vacancy Compensation During Methanol to Methoxy Reactions on MoS2. MRS Advances, 2019, 4, 873-878.	0.9	0
345	Direct measurements of proximity induced spin polarization in 2D systems. Journal Physics D: Applied Physics, 2020, 53, 343001.	2.8	0
346	Remote Mesoscopic Signatures of Induced Magnetic Texture in Graphene. Physical Review Letters, 2021, 126, 086802.	7.8	0
347	Voltage controlled bio-organic inverse phototransistor. Biointerphases, 2022, 17, 021003.	1.6	0