

Peter A Dowben

List of Publications by Year in descending order

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347
papers

13,193
citations

38742

50
h-index

29157

104
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all docs

356
docs citations

356
times ranked

15753
citing authors

#	ARTICLE	IF	CITATIONS
1	MeF-RAM: A New Non-Volatile Cache Memory Based on Magneto-Electric FET. <i>ACM Transactions on Design Automation of Electronic Systems</i> , 2022, 27, 1-18.	2.6	7
2	Surface-to-bulk core level shift in CoFe ₂ O ₄ thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022, 40, 023201.	2.1	2
3	Surface and dynamical properties of Ge ₂ . <i>2D Materials</i> , 2022, 9, 025001.	4.4	7
4	Evidence of dynamical effects and critical field in a cobalt spin crossover complex. <i>Chemical Communications</i> , 2022, 58, 661-664.	4.1	4
5	Evidence for surface effects on the intermolecular interactions in Fe(ⁱⁱ) spin crossover coordination polymers. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 883-894.	2.8	11
6	Graphene on Chromia: A System for Beyond-Room-Temperature Spintronics. <i>Advanced Materials</i> , 2022, 34, e2105023.	21.0	5
7	Graphene on Chromia: A System for Beyond-Room-Temperature Spintronics (<i>Adv. Mater.</i> 12/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	1
8	Voltage controlled bio-organic inverse phototransistor. <i>Biointerphases</i> , 2022, 17, 021003.	1.6	0
9	Evidence for long drift carrier lifetimes in [Fe(Htrz) ₂ (trz)](BF ₄) plus polyaniline composites. <i>Organic Electronics</i> , 2022, 105, 106516.	2.6	6
10	Methanol carbonylation to acetaldehyde on Au particles supported by single-layer MoS ₂ grown on silica. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 104005.	1.8	1
11	Intermolecular Interaction and Cooperativity in an Fe(II) Spin Crossover Molecular Thin Film System. <i>Journal of Physics Condensed Matter</i> , 2022, 34, .	1.8	3
12	Effect of Au/HfS ₃ interfacial interactions on properties of HfS ₃ -based devices. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14016-14021.	2.8	7
13	Dynamics of Spin Crossover Molecular Complexes. <i>Nanomaterials</i> , 2022, 12, 1742.	4.1	8
14	Probing the unpaired Fe spins across the spin crossover of a coordination polymer. <i>Materials Advances</i> , 2021, 2, 760-768.	5.4	10
15	Electronic band structure of iridates. <i>Materials Horizons</i> , 2021, 8, 2151-2168.	12.2	1
16	Remote Mesoscopic Signatures of Induced Magnetic Texture in Graphene. <i>Physical Review Letters</i> , 2021, 126, 086802.	7.8	0
17	Voltage controlled Néel vector rotation in zero magnetic field. <i>Nature Communications</i> , 2021, 12, 1674.	12.8	29
18	Nonuniform Debye Temperatures in Quasi-One-Dimensional Transition-Metal Trichalcogenides. , 2021, 3, 414-419.		12

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19	Nonvolatile Voltage Controlled Molecular Spin-State Switching for Memory Applications. <i>Magnetochemistry</i> , 2021, 7, 37.	2.4	29
20	Colossal intrinsic exchange bias from interfacial reconstruction in epitaxial CoFe ₂ O ₄ /Al ₂ O ₃ thin films. <i>Physical Review B</i> , 2021, 103, .	3.2	4
21	X-ray photoemission studies of BiInO ₃ : Surface termination and effective Debye temperature. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	7
22	Long carrier lifetimes in crystalline lithium tetraborate. <i>Materials Letters</i> , 2021, 297, 129978.	2.6	5
23	Complexities at the Au/ZrS ₃ (001) interface probed by x-ray photoemission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 434001.	1.8	6
24	Anisotropic Properties of Quasi-1D In ₄ Se ₃ : Mechanical Exfoliation, Electronic Transport, and Polarization-Dependent Photoresponse. <i>Advanced Functional Materials</i> , 2021, 31, 2106459.	14.9	11
25	Magnetic Field Perturbations to a Soft X-ray-Activated Fe (II) Molecular Spin State Transition. <i>Magnetochemistry</i> , 2021, 7, 135.	2.4	6
26	X-ray photoemission studies of the interaction of metals and metal ions with DNA. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, .	2.8	2
27	Fluorescent detection of cholesterol using p-Sulfonatocalix[4]arene functionalized carbon nanotubes and thermally reduced graphite oxide composites. <i>Chemical Physics Letters</i> , 2020, 738, 136856.	2.6	6
28	Manipulation of the molecular spin crossover transition of Fe(H ₂ B(pz) ₂) ₂ (bipy) by addition of polar molecules. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 034001.	1.8	4
29	Site selective adsorption of the spin crossover complex Fe(phen) ₂ (NCS) on Au(111). <i>Journal of Physics Condensed Matter</i> , 2020, 32, 324003.	1.8	13
30	The importance of frontier orbital symmetry in the adsorption of diiodobenzene on MoS ₂ (0001). <i>Surface Science</i> , 2020, 702, 121708.	1.9	3
31	Effect of Band Symmetry on Photocurrent Production in Quasi-One-Dimensional Transition-Metal Trichalcogenides. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40525-40531.	8.0	21
32	Quantitative Study of the Energy Changes in Voltage-Controlled Spin Crossover Molecular Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8231-8237.	4.6	24
33	Optical, electronic and visible-range photo-electronic properties of boron carbide-indole films. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 355101.	2.8	6
34	Infrared-active phonon modes in single-crystal thorium dioxide and uranium dioxide. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	7
35	Direct measurements of proximity induced spin polarization in 2D systems. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 343001.	2.8	0
36	Indium segregation to the seldedge of In ₄ Se ₃ (001). <i>Physica B: Condensed Matter</i> , 2020, 593, 412280.	2.7	9

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37	The emergence of the local moment molecular spin transistor. Journal of Physics Condensed Matter, 2020, 32, 234002.	1.8	17
38	Evolving magneto-electric device technologies. Semiconductor Science and Technology, 2020, 35, 073001.	2.0	17
39	Magneto-electric antiferromagnetic spin-orbit logic devices. Applied Physics Letters, 2020, 116, .	3.3	22
40	Detection of decoupled surface and bulk states in epitaxial orthorhombic SrIrO ₃ thin films. AIP Advances, 2020, 10, 045027.	1.3	4
41	Surface termination and Schottky-barrier formation of In ₄ Se ₃ (001). Semiconductor Science and Technology, 2020, 35, 065009.	2.0	17
42	The electronic band structure of quasi-one-dimensional van der Waals semiconductors: the effective hole mass of ZrS ₃ compared to TiS ₃ . Journal of Physics Condensed Matter, 2020, 32, 29LT01.	1.8	12
43	Preface to the JPCM Special Issue on Molecular Magnetism. Journal of Physics Condensed Matter, 2020, 32, 440201.	1.8	2
44	The band shifts in MoS ₂ (0001) and WSe ₂ (0001) induced by palladium adsorption. Journal of Physics Condensed Matter, 2020, 32, 465001.	1.8	3
45	Probing ferroelectricity by x-ray absorption spectroscopy in molecular crystals. Physical Review Materials, 2020, 4, .	2.4	4
46	Magneto-electric Transistor Devices and Circuits with Steering Logic. , 2020, , .		1
47	Possible detection of low energy solar neutrons using boron based materials. Radiation Measurements, 2019, 129, 106190.	1.4	2
48	Ultrathin Chromia on a Hexagonally-Ordered d ⁰ Ferromagnet: Evidence of Interfacial Exchange Bias at the Cr ₂ O ₃ /TiO ₂ Interface. Langmuir, 2019, 35, 14797-14803.	3.5	1
49	Building the Quasi One Dimensional Transistor from 2D Materials. , 2019, , .		3
50	Reply to "Comment on "Gate-Controlled Metal-Insulator Transition in TiS ₃ Nanowire Field-Effect Transistors". ACS Nano, 2019, 13, 8498-8500.	14.6	3
51	Inkjet Printing All Inorganic Halide Perovskite Inks for Photovoltaic Applications. Journal of Visualized Experiments, 2019, , .	0.3	3
52	Nonvolatile voltage controlled molecular spin state switching. Applied Physics Letters, 2019, 114, .	3.3	50
53	Titanium dioxide-molybdenum disulfide for photocatalytic degradation of methylene blue. Chemical Physics, 2019, 525, 110419.	1.9	26
54	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

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55	Carbon nanotubes-molybdenum disulfide composite for enhanced hydrogen evolution reaction. Journal of Electroanalytical Chemistry, 2019, 845, 39-47.	3.8	24
56	The electronic properties of Au and Pt metal contacts on quasi-one-dimensional layered TiS ₃ (001). Applied Physics Letters, 2019, 114, 101604.	3.3	30
57	Sulfur Segregation and Surface Site Vacancy Compensation During Methanol to Methoxy Reactions on MoS ₂ . MRS Advances, 2019, 4, 873-878.	0.9	0
58	Tunable spin-state bistability in a spin crossover molecular complex. Journal of Physics Condensed Matter, 2019, 31, 315401.	1.8	18
59	Gate-Controlled Metal-Insulator Transition in TiS ₃ Nanowire Field-Effect Transistors. ACS Nano, 2019, 13, 803-811.	14.6	54
60	Methoxy Formation Induced Defects on MoS ₂ . Journal of Physical Chemistry C, 2018, 122, 10042-10049.	3.1	11
61	The band structure of the quasi-one-dimensional layered semiconductor TiS ₃ (001). Applied Physics Letters, 2018, 112, .	3.3	38
62	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
63	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
64	Some device implications of voltage controlled magnetic anisotropy in Co/Gd ₂ O ₃ thin films through REDOX chemistry. Journal of Magnetism and Magnetic Materials, 2018, 451, 487-492.	2.3	2
65	Indications of magnetic coupling effects in spin cross-over molecular thin films. Chemical Communications, 2018, 54, 944-947.	4.1	24
66	Electrical and material properties of hydrothermally grown single crystal (111) UO ₂ . European Physical Journal B, 2018, 91, 1.	1.5	6
67	Inkjet printable-photoactive all inorganic perovskite films with long effective photocarrier lifetimes. Journal of Physics Condensed Matter, 2018, 30, 18LT02.	1.8	13
68	Towards a Strong Spin-Orbit Coupling Magnetoelectric Transistor. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2018, 4, 1-9.	1.5	40
69	Improved a-B ₁₀ C ₂ +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
70	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
71	Gold Dispersion and Activation on the Basal Plane of Single-Layer MoS ₂ . Journal of Physical Chemistry C, 2018, 122, 267-273.	3.1	16
72	Compact Modeling and Design of Magneto-Electric Transistor Devices and Circuits. , 2018, , .		9

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73	Quasi-1D TiS ₃ Nanoribbons: Mechanical Exfoliation and Thickness-Dependent Raman Spectroscopy. ACS Nano, 2018, 12, 12713-12720.	14.6	77
74	Rotationally Free and Rigid Sublattices of the Single Crystal Perovskite CH ₃ NH ₃ PbBr ₃ (001): The Case of the Lattice Polar Liquid. Journal of Physical Chemistry C, 2018, 122, 25506-25514.	3.1	8
75	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
76	Band Bending at the Gold (Au)/Boron Carbide-Based Semiconductor Interface. Zeitschrift Fur Physikalische Chemie, 2018, 232, 893-905.	2.8	5
77	Nonvolatile magneto-electric field effect transistors for spintronic memory and logic. , 2018, , .		1
78	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
79	Perturbing the spin crossover transition activation energies in Fe(H ₂ B(pz) ₂ (bipy) with zwitterionic additions. Journal of Physics Condensed Matter, 2018, 30, 305503.	1.8	7
80	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
81	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
82	Magnetization at the interface of Cr ₂ O ₃ and paramagnets with large stoner susceptibility. Journal of Physics Condensed Matter, 2017, 29, 10LT01.	1.8	13
83	Graphene-like Boron- ¹³ C-Nitrogen Monolayers. ACS Nano, 2017, 11, 2486-2493.	14.6	154
84	Changes in molecular film metallicity with minor modifications of the constitutive quinonoid zwitterions. RSC Advances, 2017, 7, 21906-21917.	3.6	5
85	Electronic structure of cyclodextrin-carbon nanotube composite films. RSC Advances, 2017, 7, 10968-10972.	3.6	14
86	Interfacial Charge Engineering in Ferroelectric-Controlled Mott Transistors. Advanced Materials, 2017, 29, 1701385.	21.0	36
87	Adsorbate doping of MoS ₂ and WSe ₂ : the influence of Na and Co. Journal of Physics Condensed Matter, 2017, 29, 285501.	1.8	12
88	Locking and Unlocking the Molecular Spin Crossover Transition. Advanced Materials, 2017, 29, 1702257.	21.0	55
89	Cyclodextrin-carbon nanotube composites for fluorescent detection of cholesterol. Chemical Physics Letters, 2017, 687, 222-226.	2.6	13
90	Electronic structure and direct observation of ferrimagnetism in multiferroic hexagonal YbFeO ₃ . Physical Review B, 2017, 95, .	11.2	17

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91	Epitaxial growth of cobalt oxide phases on Ru(0001) for spintronic device applications. Semiconductor Science and Technology, 2017, 32, 095011.	2.0	16
92	Moving towards the magnetoelectric graphene transistor. Applied Physics Letters, 2017, 111, 182402.	3.3	19
93	Strong binding at the gold (Au) boron carbide interface. Surface and Coatings Technology, 2017, 314, 51-54.	4.8	8
94	The lattice stiffening transition in UO ₂ single crystals. Journal of Physics Condensed Matter, 2017, 29, 035005.	1.8	6
95	Magneto-electric magnetic tunnel junction based analog circuit options. , 2017, , .		1
96	Unipolar magnetoelectric magnetic tunnel junction devices and circuits. , 2017, , .		1
97	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
98	On the structural origin of the single-ion magnetic anisotropy in LuFeO ₃ . Journal of Physics Condensed Matter, 2016, 28, 156001.	1.8	20
99	Semiconducting boron carbides with better charge extraction through the addition of pyridine moieties. Journal Physics D: Applied Physics, 2016, 49, 355302.	2.8	19
100	Band structure characterization of WS ₂ grown by chemical vapor deposition. Applied Physics Letters, 2016, 108, .	3.3	40
101	Multi-bit adder design using ME-MTJ technology. , 2016, , .		4
102	Phase separation in LuFeO ₃ films. Applied Physics Letters, 2016, 108, .	3.3	13
103	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
104	Surface-induced spin state locking of the [Fe(H ₂ B(pz) ₂ (bipy)] spin crossover complex. Journal of Physics Condensed Matter, 2016, 28, 206002.	1.8	50
105	Electronic structure of hydrothermally synthesized single crystal U _{0.22} Th _{0.78} O ₂ . Physica Status Solidi (B): Basic Research, 2016, 253, 1970-1976.	1.5	10
106	Surface Electronic Structure of Hybrid Organo Lead Bromide Perovskite Single Crystals. Journal of Physical Chemistry C, 2016, 120, 21710-21715.	3.1	58
107	Electronic structure and stability of the $C_3H_3N_3$	3.2	49
108	The symmetry-resolved electronic structure of 2 <i>H</i> -WSe ₂ (0001). Journal of Physics Condensed Matter, 2016, 28, 345503.	1.8	7

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109	pH-Induced Surface Modification of Atomically Precise Silver Nanoclusters: An Approach for Tunable Optical and Electronic Properties. <i>Inorganic Chemistry</i> , 2016, 55, 11522-11528.	4.0	10
110	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.	3.4	30
111	Low temperature growth of cobalt on Cr ₂ O ₃ (0001). <i>Journal of Physics Condensed Matter</i> , 2016, 28, 046002.	1.8	5
112	Interface-Induced Spin Polarization in Graphene on Chromia. <i>IEEE Magnetics Letters</i> , 2016, 7, 1-4.	1.1	14
113	Neutron Detection Signatures at Zero Bias in Novel Semiconducting Boron Carbide/Pyridine Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1743, 51.	0.1	4
114	The surface stability of Cr ₂ O ₃ (0001). <i>Journal of Physics Condensed Matter</i> , 2015, 27, 255003.	1.8	4
115	Magneto-electric magnetic tunnel junction logic devices. , 2015, , .		15
116	Magneto-electric magnetic tunnel junction as process adder for non-volatile memory applications. , 2015, , .		13
117	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.	2.3	16
118	Low trap-state density and long carrier diffusion in organolead trihalide perovskite single crystals. <i>Science</i> , 2015, 347, 519-522.	12.6	4,156
119	Strain induced super-paramagnetism in Cr ₂ O ₃ in the ultra thin film limit. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1729, 79-83.	0.1	1
120	Phase Stability and Stoichiometry in Thin Film Iron Pyrite: Impact on Electronic Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14130-14139.	8.0	45
121	Complexities in the Molecular Spin Crossover Transition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16293-16302.	3.1	41
122	Toward Ferroelectric Control of Monolayer MoS ₂ . <i>Nano Letters</i> , 2015, 15, 3364-3369.	9.1	62
123	Spin-orbit coupling in the band structure of monolayer WSe ₂ . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 182201.	1.8	67
124	The stability and surface termination of hexagonal LuFeO ₃ . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 175004.	1.8	8
125	Self-assembly of strongly dipolar molecules on metal surfaces. <i>Journal of Chemical Physics</i> , 2015, 142, 101921.	3.0	38
126	Oxidative peeling of carbon black nanoparticles. <i>RSC Advances</i> , 2015, 5, 92539-92544.	3.6	4

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127	High-Resolution Angle-Resolved Photoemission Study of Quasi-One-Dimensional Semiconductor In_4Se_3 . Journal of the Physical Society of Japan, 2015, 84, 074710.	1.6	12
128	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
129	Potential of Nonvolatile Magnetoelectric Devices for Spintronic Applications. , 2015, , 255-278.		10
130	Symmetry-resolved surface-derived electronic structure of $\text{MoS}_2(0001)$. Journal of Physics Condensed Matter, 2014, 26, 455501.	1.8	9
131	Spin polarization asymmetry at the surface of chromia. New Journal of Physics, 2014, 16, 073021.	2.9	21
132	Increasing the Néel temperature of magnetoelectric chromia for voltage-controlled spintronics. Applied Physics Letters, 2014, 104, .	3.3	74
133	Occupied and unoccupied electronic structure of Na doped $\text{MoS}_2(0001)$. Applied Physics Letters, 2014, 105, .	3.3	30
134	Symmetry-protected surface state on $\text{Mo}(110)$. Journal of Physics Condensed Matter, 2014, 26, 155501.	1.8	4
135	The band structure of carbonmonoxide on 2-D Au islands on graphene. Applied Surface Science, 2014, 304, 35-39.	6.1	5
136	Large-scale solution synthesis of narrow graphene nanoribbons. Nature Communications, 2014, 5, 3189.	12.8	271
137	The unoccupied electronic structure characterization of hydrothermally grown ThO_2 single crystals. Physica Status Solidi - Rapid Research Letters, 2014, 8, 283-286.	2.4	20
138	Magnetoelectric Fe_2TeO_6 thin films. Journal of Physics Condensed Matter, 2014, 26, 055012.	1.8	19
139	Changing molecular band offsets in polymer blends of (P3HT/P(VDF-TrFE)) poly(3-hexylthiophene) and poly(vinylidene fluoride with trifluoroethylene) due to ferroelectric poling. RSC Advances, 2014, 4, 3020-3027.	3.6	9
140	Photovoltaics: The Complete $\text{In}\delta\text{G}$ ap 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
141	Sublattice-induced symmetry breaking and band-gap formation in graphene. Materials Horizons, 2014, 1, 563-571.	12.2	43
142	Molecular adsorption on graphene. Journal of Physics Condensed Matter, 2014, 26, 443001.	1.8	161
143	The spin state of a molecular adsorbate driven by the ferroelectric substrate polarization. Chemical Communications, 2014, 50, 2255.	4.1	74
144	Effective mass and band gap of strained graphene. Current Applied Physics, 2014, 14, S136-S139.	2.4	18

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145	The chromium site in doped glassy lithium tetraborate. <i>Materials Chemistry and Physics</i> , 2014, 147, 492-495.	4.0	2
146	Adsorption of TCNQH-functionalized quinonoid zwitterions on gold and graphene: evidence for dominant intermolecular interactions. <i>RSC Advances</i> , 2013, 3, 10956.	3.6	6
147	Induced magneto-electric coupling in ferroelectric/ferromagnetic heterostructures. <i>Applied Physics Letters</i> , 2013, 103, 072902.	3.3	10
148	Coverage-Dependent Interactions at the Organics-Metal Interface: Quinonoid Zwitterions on Au(111). <i>Journal of Physical Chemistry C</i> , 2013, 117, 16406-16415.	3.1	21
149	The Dipole Mediated Surface Chemistry of p-Benzoquinonemonoimine Zwitterions. <i>Topics in Catalysis</i> , 2013, 56, 1096-1103.	2.8	10
150	Significant magneto-resistive effects in boron carbide thin films. <i>Materials Letters</i> , 2013, 110, 20-23.	2.6	9
151	Adsorption configurations of carbon monoxide on gold monolayer supported by graphene or monolayer hexagonal boron nitride: a first-principles study. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	6
152	Resonant Photoemission Observations and DFT Study of d Hybridization in Catalytically Active Gold Clusters on Ceria Nanorods. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6936-6939.	13.8	15
153	Evidence of band bending and surface Fermi level pinning in graphite oxide. <i>Carbon</i> , 2013, 57, 227-231.	10.3	10
154	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.	3.1	33
155	EXAFS and EPR analysis of the local structure of Mn-doped $\text{Li}_2\text{B}_4\text{O}_7$. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1376-1383.	1.5	14
156	Magnetolectric coupling at the $\text{EuO}/\text{BaTiO}_3$ interface. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	14
157	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. <i>ECS Transactions</i> , 2013, 53, 303-310.	0.5	12
158	The Debye Temperature for Hydrothermally Grown ThO_2 Single Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1576, 1.	0.1	6
159	Reversible Mn segregation at the polar surface of lithium tetraborate. <i>Applied Physics Letters</i> , 2013, 102, 161602.	3.3	8
160	SIMULATIONS OF MOLECULAR PACKING ON A NON-INTERACTING HEXAGONAL LATTICE SUBSTRATE. <i>Surface Review and Letters</i> , 2012, 19, 1250020.	1.1	0
161	Fermi surface of $\text{Mo}(112)$ and indirect interaction between adsorbed atoms. <i>Physical Review B</i> , 2012, 86, .	3.2	13
162	Direct growth of graphene on nitride and oxide substrates. , 2012, , .		0

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163	Enhanced electron-phonon coupling at the Au/Mo(112) surface. <i>Physical Review B</i> , 2012, 86, .	3.2	6
164	Sign of the superexchange coupling between next-nearest neighbors in EuO. <i>Physical Review B</i> , 2012, 86, .	3.2	13
165	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.	13.7	37
166	New view of the occupied band structure of Mo(112). <i>Physical Review B</i> , 2012, 85, .	3.2	9
167	Surface state engineering of molecule–molecule interactions. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4971.	2.8	56
168	Dipole driven bonding schemes of quinonoid zwitterions on surfaces. <i>Chemical Communications</i> , 2012, 48, 7143.	4.1	31
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170	Effect of gadolinium doping on the electronic band structure of europium oxide. <i>Physical Review B</i> , 2012, 85, .	3.2	25
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