

Rodolfo Miranda

List of Publications by Year in descending order

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373
papers

13,281
citations

20817

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36028

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386
all docs

386
docs citations

386
times ranked

10858
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-nT Resolution of Single Layer Sensor Based on the AMR Effect in $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ Thin Films. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	8
2	Native point defects and their implications for the Dirac point gap at $\text{MnBi}_2\text{Te}_4(0001)$. Npj Quantum Materials, 2022, 7, .	5.2	53
3	Synthesis and Characterization of C_{7H_6} Heptacene on a Metallic Surface. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
4	Synthesis and Characterization of C_{7H_6} Heptacene on a Metallic Surface. Angewandte Chemie, 2022, 134, .	2.0	5
5	Engineering Periodic Dinuclear Lanthanide-Directed Networks Featuring Tunable Energy Level Alignment and Magnetic Anisotropy by Metal Exchange. Small, 2022, 18, e2107073.	10.0	8
6	Innentitelbild: Synthesis and Characterization of C_{7H_6} Heptacene on a Metallic Surface (Angew.) Tj ETQq0 0,0 rgBT /Qverlock 10	2.0	0
7	Setting the limit for the lateral thermal expansion of layered crystals <i>via</i> helium atom scattering. Physical Chemistry Chemical Physics, 2022, 24, 13229-13233.	2.8	3
8	Surface-Assisted Synthesis of N_x -Containing P^{N} -Conjugated Polymers. Advanced Science, 2022, 9, .	11.2	7
9	Engineering Periodic Dinuclear Lanthanide-Directed Networks Featuring Tunable Energy Level Alignment and Magnetic Anisotropy by Metal Exchange (Small 22/2022). Small, 2022, 18, .	10.0	0
10	Interfacial Exchange Phenomena Driven by Ferromagnetic Domains. Advanced Materials Interfaces, 2022, 9, .	3.7	2
11	Phase control and lateral heterostructures of MoTe_2 epitaxially grown on graphene/Ir(111). Nanoscale, 2022, 14, 10880-10888.	5.6	3
12	Unravelling the Open-Shell Character of Peripentacene on Au(111). Journal of Physical Chemistry Letters, 2021, 12, 330-336.	4.6	36
13	Spin-Orbit Torque from the Introduction of Cu Interlayers in Pt/Cu/Co/Pt Nanolayered Structures for Spintronic Devices. ACS Applied Nano Materials, 2021, 4, 487-492.	5.0	11
14	Time-of-flight measurements of the low-energy scattering of CH_4 from Ir(111). Physical Chemistry Chemical Physics, 2021, 23, 7830-7836.	2.8	1
15	Efficient photogeneration of nonacene on nanostructured graphene. Nanoscale Horizons, 2021, 6, 744-750.	8.0	9
16	Cumulene-like bridged indeno[1,2- <i>b</i>]fluorene P^{N} -conjugated polymers synthesized on metal surfaces. Chemical Communications, 2021, 57, 7545-7548.	4.1	9
17	Lanthanide-porphyrin species as Kondo irreversible switches through tip-induced coordination chemistry. Nanoscale, 2021, 13, 8600-8606.	5.6	4
18	Evidence for a spin acoustic surface plasmon from inelastic atom scattering. Scientific Reports, 2021, 11, 1506.	3.3	7

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19	Dysprosium-directed metallocsupramolecular network on graphene/Ir(111). <i>Chemical Communications</i> , 2021, 57, 1380-1383.	4.1	12
20	Scanning tunneling microscopy (STM) of graphene. , 2021, , 345-379.		1
21	Electron-phonon coupling in superconducting 1T-PdTe ₂ . <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	28
22	Large Perpendicular Magnetic Anisotropy in Nanometer-Thick Epitaxial Graphene/Co/Heavy Metal Heterostructures for Spin-Orbitronics Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 4398-4408.	5.0	13
23	Engineering the spin conversion in graphene monolayer epitaxial structures. <i>APL Materials</i> , 2021, 9, .	5.1	9
24	Electronic Temperature and Two-Electron Processes in Overbias Plasmonic Emission from Tunnel Junctions. <i>Nano Letters</i> , 2021, 21, 7086-7092.	9.1	8
25	Tuning the Magnetic Anisotropy of Lanthanides on a Metal Substrate by Metal-Organic Coordination. <i>Small</i> , 2021, 17, e2102753.	10.0	8
26	Nanostructured gold electrodes promote neural maturation and network connectivity. <i>Biomaterials</i> , 2021, 279, 121186.	11.4	13
27	Thermally Activated Processes for Ferromagnet Intercalation in Graphene-Heavy Metal Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4088-4096.	8.0	10
28	Experimental determination of surface thermal expansion and electron-phonon coupling constant of 1T-PtTe ₂ . <i>2D Materials</i> , 2020, 7, 025007.	4.4	25
29	On-surface synthesis of doubly-linked one-dimensional pentacene ladder polymers. <i>Chemical Communications</i> , 2020, 56, 15309-15312.	4.1	10
30	Tailoring π -conjugation and vibrational modes to steer on-surface synthesis of pentacene-bridged ladder polymers. <i>Nature Communications</i> , 2020, 11, 4567.	12.8	36
31	Tailored Functionalized Magnetic Nanoparticles to Target Breast Cancer Cells Including Cancer Stem-Like Cells. <i>Cancers</i> , 2020, 12, 1397.	3.7	13
32	Metal-Coordination Network vs Charge Transfer Complex: The Importance of the Surface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7922-7929.	3.1	5
33	Diradical Organic One-Dimensional Polymers Synthesized on a Metallic Surface. <i>Angewandte Chemie</i> , 2020, 132, 17747-17752.	2.0	14
34	Diradical Organic One-Dimensional Polymers Synthesized on a Metallic Surface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17594-17599.	13.8	33
35	Unveiling the radiative local density of optical states of a plasmonic nanocavity by STM. <i>Nature Communications</i> , 2020, 11, 1021.	12.8	29
36	Tailoring topological order and π -conjugation to engineer quasi-metallic polymers. <i>Nature Nanotechnology</i> , 2020, 15, 437-443.	31.5	95

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37	Robust, carbon related, superconducting nanostructure at the apex of a tungsten STM tip. Applied Physics Letters, 2019, 115, 073108.	3.3	1
38	Photoinduced effects on the magnetic properties of the $(\text{Fe}_{0.2}\text{Cr}_{0.8})_{1.5}[\text{Cr}(\text{CN})_6]$ Prussian blue analogue. Journal of Materials Chemistry C, 2019, 7, 2305-2317.	5.5	6
39	Electrical and geometrical tuning of MoS_2 field effect transistors <i>via</i> direct nanopatterning. Nanoscale, 2019, 11, 11152-11158.	5.6	7
40	On-Surface Synthesis of Gold Porphyrin Derivatives via a Cascade of Chemical Interactions: Planarization, Self-Metalation, and Intermolecular Coupling. Chemistry of Materials, 2019, 31, 3248-3256.	6.7	37
41	Discrete Electronic Subbands due to Bragg Scattering at Molecular Edges. Physical Review Letters, 2019, 122, 176801.	7.8	2
42	The phenotype of target pancreatic cancer cells influences cell death by magnetic hyperthermia with nanoparticles carrying gemcitabine and the pseudo-peptide NucAnt. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 101983.	3.3	30
43	On-Surface Synthesis of Ethynylene-Bridged Anthracene Polymers. Angewandte Chemie, 2019, 131, 6631-6635.	2.0	16
44	On-Surface Synthesis of Ethynylene-Bridged Anthracene Polymers. Angewandte Chemie - International Edition, 2019, 58, 6559-6563.	13.8	44
45	A Comparative Computational Study of the Adsorption of TCNQ and F4-TCNQ on the Coinage Metal Surfaces. ACS Omega, 2019, 4, 16906-16915.	3.5	9
46	Encapsulating Chemically Doped Graphene via Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2018, 10, 8190-8196.	8.0	9
47	Large-Area Heterostructures from Graphene and Encapsulated Colloidal Quantum Dots via the Langmuir-Blodgett Method. ACS Applied Materials & Interfaces, 2018, 10, 6805-6809.	8.0	12
48	Electronic Properties of Sulfur Covered Ru(0001) Surfaces. Journal of Physical Chemistry A, 2018, 122, 2232-2240.	2.5	2
49	Neon diffraction from graphene on Ru(0001). Surface Science, 2018, 678, 52-56.	1.9	2
50	Resolving localized phonon modes on graphene/Ir(111) by inelastic atom scattering. Carbon, 2018, 133, 31-38.	10.3	4
51	Coverage evolution of the unoccupied Density of States in sulfur superstructures on Ru(0001). Applied Surface Science, 2018, 433, 300-305.	6.1	3
52	Graphene catalyzes the reversible formation of a C-C bond between two molecules. Science Advances, 2018, 4, eaau9366.	10.3	9
53	Transparency revealed. Nature Materials, 2018, 17, 952-953.	27.5	2
54	Evidence of large spin-orbit coupling effects in quasi-free-standing graphene on Pb/Ir(111). 2D Materials, 2018, 5, 035029.	4.4	33

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55	Characterization of interlayer forces in 2D heterostructures using neutral atom scattering. 2D Materials, 2018, 5, 045002.	4.4	13
56	Unraveling Dzyaloshinskiiâ€Moriya Interaction and Chiral Nature of Graphene/Cobalt Interface. Nano Letters, 2018, 18, 5364-5372.	9.1	60
57	Magnetic ordering in an (Fe _{0.2} Cr _{0.8}) _{1.5} [Cr(CN) ₆] Prussian blue analogue studied with synchrotron radiation based spectroscopies. Journal of Materials Chemistry C, 2018, 6, 8171-8186.	5.5	7
58	Preservation of electronic properties of double-decker complexes on metallic supports. Physical Chemistry Chemical Physics, 2017, 19, 8282-8287.	2.8	7
59	Engineering Large Anisotropic Magnetoresistance in La _{0.7} Sr _{0.3} MnO ₃ Films at Room Temperature. Advanced Functional Materials, 2017, 27, 1700664.	14.9	39
60	Efficient Lanthanide Catalyzed Debromination and Oligomeric Length-Controlled Ullmann Coupling of Aryl Halides. Journal of Physical Chemistry C, 2017, 121, 8033-8041.	3.1	22
61	Tuning Intermolecular Charge Transfer in Donorâ€Acceptor Two-Dimensional Crystals on Metal Surfaces. Journal of Physical Chemistry C, 2017, 121, 23505-23510.	3.1	11
62	Emergence of the Stoner-Wohlfarth astroid in thin films at dynamic regime. Scientific Reports, 2017, 7, 13474.	3.3	11
63	High yielding and extremely site-selective covalent functionalization of graphene. Chemical Communications, 2017, 53, 10418-10421.	4.1	20
64	Long-Range Orientational Self-Assembly, Spatially Controlled Deprotonation, and Off-Centered Metalation of an Expanded Porphyrin. Journal of the American Chemical Society, 2017, 139, 14129-14136.	13.7	23
65	Direct observation of temperature-driven magnetic symmetry transitions by vectorial resolved MOKE magnetometry. Journal of Physics Condensed Matter, 2017, 29, 405805.	1.8	3
66	Reactivity of O ₂ on Pd/Ru(0001) and PdRu/Ru(0001) surface alloys. Journal of Chemical Physics, 2017, 146, 204701.	3.0	4
67	Chiral asymmetry driven by unidirectional magnetic anisotropy in spin-orbitronic systems. , 2017, , .		0
68	Cu diffusion as an alternative method for nanopatterned CuTCNQ film growth. Journal of Physics Condensed Matter, 2016, 28, 185002.	1.8	4
69	Two-dimensional chiral asymmetry in unidirectional magnetic anisotropy structures. AIP Advances, 2016, 6, 055819.	1.3	2
70	Understanding the self-assembly of TCNQ on Cu(111): a combined study based on scanning tunnelling microscopy experiments and density functional theory simulations. RSC Advances, 2016, 6, 15071-15079.	3.6	22
71	Chiral asymmetry driven by unidirectional magnetic anisotropy in Spin-Orbitronic systems. Proceedings of SPIE, 2016, , .	0.8	0
72	Dysprosium-carboxylate nanomeshes with tunable cavity size and assembly motif through ionic interactions. Chemical Communications, 2016, 52, 11227-11230.	4.1	26

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73	Thermal Transition from a Disordered, 2D Network to a Regular, 1D, Fe(II)â€“DCNQI Coordination Network. Journal of Physical Chemistry C, 2016, 120, 16712-16721.	3.1	4
74	Collective concerted motion in a molecular adlayer visualized through the surface diffusion of isolated vacancies. Journal of Chemical Physics, 2016, 145, 154706.	3.0	2
75	Acoustic surface phonons of graphene on Ni(111). Carbon, 2016, 99, 416-422.	10.3	27
76	Multifunctionalized iron oxide nanoparticles for selective drug delivery to CD44-positive cancer cells. Nanotechnology, 2016, 27, 065103.	2.6	100
77	Organic Covalent Patterning of Nanostructured Graphene with Selectivity at the Atomic Level. Nano Letters, 2016, 16, 355-361.	9.1	36
78	Observation of Localized Vibrational Modes of Graphene Nanodomes by Inelastic Atom Scattering. Nano Letters, 2016, 16, 2-7.	9.1	26
79	Scanning Tunneling Spectroscopy. , 2016, , 3544-3553.		0
80	Interfacial exchange-coupling induced chiral symmetry breaking of spin-orbit effects. Physical Review B, 2015, 92, .	3.2	9
81	g-force induced giant efficiency of nanoparticles internalization into living cells. Scientific Reports, 2015, 5, 15160.	3.3	7
82	Surfaceâ€“Supported Robust 2D Lanthanideâ€“Carboxylate Coordination Networks. Small, 2015, 11, 6358-6364.	10.0	43
83	Low-energy excitations of graphene on Ru(0 0 0 1). Carbon, 2015, 93, 1-10.	10.3	30
84	Temperature-controlled metal/ligand stoichiometric ratio in Ag-TCNE coordination networks. Journal of Chemical Physics, 2015, 142, 101930.	3.0	28
85	Towards spintronics materials for energy saving. , 2015, , .		0
86	Note: Vectorial-magneto optical Kerr effect technique combined with variable temperature and full angular range all in a single setup. Review of Scientific Instruments, 2015, 86, 046109.	1.3	13
87	Efficient treatment of breast cancer xenografts with multifunctionalized iron oxide nanoparticles combining magnetic hyperthermia and anti-cancer drug delivery. Breast Cancer Research, 2015, 17, 66.	5.0	231
88	Extraordinary exchange-bias effects in coupled SmCo5 (perpendicular)/CoFeB (in-plane) bilayers. , 2015, , .		0
89	Spatial variation of a giant spinâ€“orbit effect induces electron confinement in graphene on Pb islands. Nature Physics, 2015, 11, 43-47.	16.7	126
90	Scanning Tunneling Spectroscopy. , 2015, , 1-11.		0

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91	Mapping spin distributions in electron acceptor molecules adsorbed on nanostructured graphene by the Kondo effect. <i>Surface Science</i> , 2014, 630, 356-360.	1.9	8
92	Direct experimental determination of the anisotropic magnetoresistive effects. <i>Applied Physics Letters</i> , 2014, 104, 202407.	3.3	12
93	Engineering Iron Oxide Nanoparticles for Clinical Settings. <i>Nanobiomedicine</i> , 2014, 1, 2.	5.7	101
94	A helium atom scattering study of well-ordered TCNQ adlayers on Cu(100). <i>Surface Science</i> , 2014, 620, 65-69.	1.9	1
95	Efficient and safe internalization of magnetic iron oxide nanoparticles: Two fundamental requirements for biomedical applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 733-743.	3.3	101
96	Charge transfer-assisted self-limited decyanation reaction of TCNQ-type electron acceptors on Cu(100). <i>Chemical Communications</i> , 2014, 50, 833-835.	4.1	16
97	Charge-Transfer-Induced Isomerization of DCNQI on Cu(100). <i>Journal of Physical Chemistry C</i> , 2014, 118, 27388-27392.	3.1	3
98	Enantiospecific Spin Polarization of Electrons Photoemitted Through Layers of Homochiral Organic Molecules. <i>Advanced Materials</i> , 2014, 26, 7474-7479.	21.0	28
99	Atomic mechanisms and diffusion anisotropy of Cu tetramers on Cu(111). <i>Physical Review B</i> , 2014, 90, .	3.2	3
100	Controlling the spatial arrangement of organic magnetic anions adsorbed on epitaxial graphene on Ru(0001). <i>Nanoscale</i> , 2014, 6, 15271-15279.	5.6	19
101	Modulation of Magnetic Heating via Dipolar Magnetic Interactions in Monodisperse and Crystalline Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19985-19994.	3.1	82
102	Spatially Resolved, Site-Dependent Charge Transfer and Induced Magnetic Moment in TCNQ Adsorbed on Graphene. <i>Chemistry of Materials</i> , 2014, 26, 2883-2890.	6.7	42
103	An STM study of molecular exchange processes in organic thin film growth. <i>Chemical Communications</i> , 2014, 50, 9954-9957.	4.1	9
104	Probing the Site-Dependent Kondo Response of Nanostructured Graphene with Organic Molecules. <i>Nano Letters</i> , 2014, 14, 4560-4567.	9.1	24
105	Vectorial Kerr magnetometer for simultaneous and quantitative measurements of the in-plane magnetization components. <i>Review of Scientific Instruments</i> , 2014, 85, 053904.	1.3	32
106	Scanning tunneling microscopy (STM) of graphene. , 2014, , 124-155.		1
107	Spintronics: Enantiospecific Spin Polarization of Electrons Photoemitted Through Layers of Homochiral Organic Molecules (<i>Adv. Mater.</i> 44/2014). <i>Advanced Materials</i> , 2014, 26, 7531-7531.	21.0	0
108	Environment-driven reactivity of H ₂ on PdRu surface alloys. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14936.	2.8	15

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109	Onset of Chiral Adenine Surface Growth. ChemPhysChem, 2013, 14, 3294-3302.	2.1	2
110	Lattice-matched versus lattice-mismatched models to describe epitaxial monolayer graphene on Ru(0001). Physical Review B, 2013, 88, .	3.2	35
111	Initial Sticking Coefficient of H ₂ on the Pd-Cu(111) Surface Alloy at very Low Coverages. Zeitschrift Fur Physikalische Chemie, 2013, 227, .	2.8	6
112	Periodic spatial variation of the electron-phonon interaction in epitaxial graphene on Ru(0001). Applied Physics Letters, 2013, 102, .	3.3	8
113	Elastic Response of Graphene Nanodomes. ACS Nano, 2013, 7, 2927-2934.	14.6	35
114	Long-range magnetic order in a purely organic 2D layer adsorbed on epitaxial graphene. Nature Physics, 2013, 9, 368-374.	16.7	158
115	Diffraction of H ₂ from Metal Surfaces. Springer Series in Surface Sciences, 2013, , 397-420.	0.3	0
116	Ordered arrays of metal-organic magnets at surfaces. Journal of Physics Condensed Matter, 2013, 25, 484007.	1.8	16
117	Local characterization of the optical properties of annealed Au films on glass substrates. Journal of Applied Physics, 2013, 114, 164312.	2.5	7
118	Thermal Energy Atomic and Molecular Beam Diffraction from Solid Surfaces. Springer Series in Surface Sciences, 2013, , 51-73.	0.3	8
119	Helium, neon and argon diffraction from Ru(0001). Journal of Physics Condensed Matter, 2012, 24, 354002.	1.8	16
120	Enhanced selectivity towards O ₂ and H ₂ dissociation on ultrathin Cu films on Ru(0001). Journal of Chemical Physics, 2012, 137, 074706.	3.0	16
121	Substrate polarization effects in two-dimensional magnetic arrays. Physical Review B, 2012, 86, .	3.2	0
122	Magnetization reversal signatures in the magnetoresistance of magnetic multilayers. Physical Review B, 2012, 86, .	3.2	15
123	Electron localization in epitaxial graphene on Ru(0001) determined by moiré corrugation. Physical Review B, 2012, 85, .	3.2	34
124	Anisotropic surface coupling while sliding on dolomite and calcite crystals. Physical Review B, 2012, 85, .	3.2	26
125	Accurate determination of the specific absorption rate in superparamagnetic nanoparticles under non-adiabatic conditions. Applied Physics Letters, 2012, 101, 062413.	3.3	48
126	Highly reproducible low temperature scanning tunneling microscopy and spectroscopy with in situ prepared tips. Ultramicroscopy, 2012, 122, 1-5.	1.9	13

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127	H ₂ Diffraction from a Strained Pseudomorphic Monolayer of Cu Deposited on Ru(0001). Journal of Physical Chemistry C, 2012, 116, 13671-13678.	3.1	15
128	Morphology and thermal stability of AlF ₃ thin films grown on Cu(100). Surface Science, 2012, 606, 573-579.	1.9	10
129	Controlled synthesis of uniform magnetite nanocrystals with high-quality properties for biomedical applications. Journal of Materials Chemistry, 2012, 22, 21065.	6.7	141
130	Elastic properties of a macroscopic graphene sample from phonon dispersion measurements. Carbon, 2012, 50, 4903-4910.	10.3	91
131	Quadratic Dispersion and Damping Processes of ĩ Plasmon in Monolayer Graphene on Pt(111). Plasmonics, 2012, 7, 369-376.	3.4	35
132	In-Plane and Out-of-Plane Diffraction of H ₂ from Ru(001). Journal of Physical Chemistry A, 2011, 115, 7283-7290.	2.5	31
133	Role of Deprotonation and Cu Adatom Migration in Determining the Reaction Pathways of Oxalic Acid Adsorption on Cu(111). Journal of Physical Chemistry C, 2011, 115, 21177-21182.	3.1	22
134	Exploring the limits of soft x-ray magnetic holography: Imaging magnetization reversal of buried interfaces (invited). Journal of Applied Physics, 2011, 109, 07D357.	2.5	10
135	Subphthalocyanine-based nanocrystals. Chemical Communications, 2011, 47, 9986.	4.1	19
136	Diffraction and reactive scattering of H ₂ from Ru(0001): experimental and theoretical study. Physical Chemistry Chemical Physics, 2011, 13, 8583.	2.8	32
137	Formation of Self-Assembled Chains of Tetrathiafulvalene on a Cu(100) Surface. Journal of Physical Chemistry A, 2011, 115, 13080-13087.	2.5	6
138	Tailoring magnetic anisotropy in epitaxial half metallic La _{0.7} Sr _{0.3} MnO ₃ thin films. Journal of Applied Physics, 2011, 110, .	2.5	42
139	Substrate-induced magnetic anisotropy in La _{0.7} Sr _{0.3} MnO ₃ epitaxial thin films grown onto (110) and (11̄,8) SrTiO ₃ substrates. Journal of Physics: Conference Series, 2011, 303, 012058.	0.4	1
140	Role of anisotropy configuration in exchange-biased systems. Journal of Applied Physics, 2011, 109, .	2.5	24
141	Magnetization reversal in half metallic La _{0.7} Sr _{0.3} MnO ₃ films grown onto vicinal surfaces. Journal of Applied Physics, 2011, 109, 07B107.	2.5	16
142	Diffraction of molecular hydrogen from metal surfaces. Progress in Surface Science, 2011, 86, 222-254.	8.3	40
143	Surface assembly of porphyrin nanorods with one-dimensional zincâ€œoxygen spinal cords. CrystEngComm, 2011, 13, 5591.	2.6	8
144	Molecular Self-Assembly at Solid Surfaces. Advanced Materials, 2011, 23, 5148-5176.	21.0	192

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145	Growth of Textured Adenine Thin Films to Exhibit only Chiral Faces. ChemPhysChem, 2011, 12, 1267-1271.	2.1	3
146	Magnetostatics and the rotational sense of cycloidal spin spirals. Physical Review B, 2011, 84, .	3.2	13
147	A high-reflectivity, ambient-stable graphene mirror for neutral atomic and molecular beams. Applied Physics Letters, 2011, 99, .	3.3	29
148	Helium reflectivity and Debye temperature of graphene grown epitaxially on Ru(0001). Physical Review B, 2011, 84, .	3.2	69
149	Role of Dispersion Forces in the Structure of Graphene Monolayers on Ru Surfaces. Physical Review Letters, 2011, 106, 186102.	7.8	129
150	Evidence for acoustic-like plasmons on epitaxial graphene on Pt(111). Physical Review B, 2011, 84, .	3.2	99
151	The endocytic penetration mechanism of iron oxide magnetic nanoparticles with positively charged cover: A morphological approach. International Journal of Molecular Medicine, 2010, 26, 533-9.	4.0	20
152	Charge-transfer-induced structural rearrangements at both sides of organic/metal interfaces. Nature Chemistry, 2010, 2, 374-379.	13.6	273
153	Potential Energy Landscape for Hot Electrons in Periodically Nanostructured Graphene. Physical Review Letters, 2010, 105, 036804.	7.8	85
154	Imaging and quantifying perpendicular exchange biased systems by soft x-ray holography and spectroscopy. Applied Physics Letters, 2010, 96, 072503.	3.3	10
155	A high-reflectivity atom-focusing mirror stable at room temperature. Applied Physics Letters, 2010, 96, .	3.3	7
156	Borca<i>etÂal.</i>Reply:. Physical Review Letters, 2010, 105, .	7.8	8
157	High-resolution elastic and rotationally inelastic diffraction of D2 from NiAl(110). Journal of Chemical Physics, 2010, 133, 124702.	3.0	30
158	Formation of a non-magnetic metallic iron nitride layer on bcc Fe(100). New Journal of Physics, 2010, 12, 073004.	2.9	22
159	Periodically modulated geometric and electronic structure of graphene on Ru(0 0 0 1). Semiconductor Science and Technology, 2010, 25, 034001.	2.0	21
160	Self-organization of electron acceptor molecules on graphene. Chemical Communications, 2010, 46, 8198.	4.1	90
161	Electronic and geometric corrugation of periodically rippled, self-nanostructured graphene epitaxially grown on Ru(0001). New Journal of Physics, 2010, 12, 093018.	2.9	133
162	An ellipsoidal mirror for focusing neutral atomic and molecular beams. New Journal of Physics, 2010, 12, 033018.	2.9	29

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163	Growth and Structure of Self-assembled Monolayers of a TTF Derivative on Au(111). Journal of Physical Chemistry C, 2010, 114, 6503-6510.	3.1	16
164	Experimental and theoretical study of rotationally inelastic diffraction of D2 from NiAl(110). Physical Chemistry Chemical Physics, 2010, 12, 14501.	2.8	11
165	Emergence of noncollinear anisotropies from interfacial magnetic frustration in exchange-bias systems. Physical Review B, 2009, 80, .	3.2	111
166	Highly asymmetric magnetic behavior in exchange biased systems induced by noncollinear field cooling. Applied Physics Letters, 2009, 95, .	3.3	56
167	Thermal stability of Cu and Fe nitrides and their applications for writing locally spin valves. Applied Physics Letters, 2009, 94, 263112.	3.3	32
168	Uniaxial magnetic anisotropy induced by vicinal surfaces in half metallic La0.7Sr0.3MnO3 thin films. Materials Research Society Symposia Proceedings, 2009, 1198, 7.	0.1	0
169	Reactivity of periodically rippled graphene grown on Ru(0001). Journal of Physics Condensed Matter, 2009, 21, 134002.	1.8	37
170	Crystallographic and electronic contribution to the apparent step height in nanometer-thin Pb(111) films grown on Cu(111). New Journal of Physics, 2009, 11, 123003.	2.9	12
171	Surfing ripples towards new devices. Nature Nanotechnology, 2009, 4, 549-550.	31.5	70
172	Quantum oscillations in surface properties. Surface Science, 2009, 603, 1389-1396.	1.9	17
173	The adsorption of atomic N and the growth of copper nitrides on Cu(1 0 0). Surface Science, 2009, 603, 2283-2289.	1.9	10
174	The influence of surface functionalization on the enhanced internalization of magnetic nanoparticles in cancer cells. Nanotechnology, 2009, 20, 115103.	2.6	299
175	Ordering Fullerenes at the Nanometer Scale on Solid Surfaces. Chemical Reviews, 2009, 109, 2081-2091.	47.7	113
176	Atomic jumps during surface diffusion. Physical Review B, 2009, 79, .	3.2	20
177	A Quantum-Stabilized Mirror for Atoms. Advanced Materials, 2008, 20, 3492-3497.	21.0	34
178	Periodically Rippled Graphene: Growth and Spatially Resolved Electronic Structure. Physical Review Letters, 2008, 100, 056807.	7.8	566
179	Vázquez de Parga Reply. Physical Review Letters, 2008, 101, .	7.8	20
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