David S Martin

List of Publications by Year
in descending order

54 papers	1,194 citations	471509 17 h-index	377865 34 g-index
54 all docs	54 docs citations	54 times ranked	1046 citing authors

#	Article	IF	Citations
1	A novel FTIR analysis method for rapid high-confidence discrimination of esophageal cancer. Infrared Physics and Technology, 2019, 102, 103007.	2.9	8
2	SNOM Imaging of a Cryptâ€Like Feature in Adenocarcinoma Associated with Barrett's Oesophagus. Physica Status Solidi (B): Basic Research, 2018, 255, 1700518.	1.5	4
3	An evaluation of the application of the aperture infrared SNOM technique to biomedical imaging. Biomedical Physics and Engineering Express, 2018, 4, 025011.	1.2	11
4	Submicron infrared imaging of an oesophageal cancer cell with chemical specificity using an IR-FEL. Biomedical Physics and Engineering Express, 2018, 5, 015009.	1.2	5
5	Application of a quantum cascade laser aperture scanning near-field optical microscope to the study of a cancer cell. Analyst, The, 2018, 143, 5912-5917.	3.5	6
6	Optical properties of silicene, Si/Ag(111), and Si/Ag(110). Physical Review B, 2018, 97, .	3.2	33
7	An imaging dataset of cervical cells using scanning near-field optical microscopy coupled to an infrared free electron laser. Scientific Data, 2017, 4, 170084.	5.3	3
8	Imaging cervical cytology with scanning near-field optical microscopy (SNOM) coupled with an IR-FEL. Scientific Reports, 2016, 6, 29494.	3.3	17
9	Effects of steps and ordered defects on Cu(110) surface states. Physical Review B, 2013, 87, .	3.2	2
10	Near-field optical microscopy with an infra-red free electron laser applied to cancer diagnosis. Applied Physics Letters, 2013, 102, 053701.	3.3	17
11	Controlling the formation of a monolayer of cytochrome P450 reductase onto Au surfaces. Physical Review E, 2012, 86, 011903.	2.1	7
12	Contribution of steps to optical properties of vicinal diamond (100):H surfaces. Physical Review B, 2011, 83, .	3.2	7
13	Optical reflectance anisotropy of the growth of Fe monolayers on W(110). Journal of Physics Condensed Matter, 2011, 23, 355002.	1.8	5
14	Optical response of the Cu(110)/electrolyte interface. Journal of Physics: Conference Series, 2011, 286, 012028.	0.4	5
15	The use of reflection anisotropy spectroscopy to assess the alignment of collagen. Journal Physics D: Applied Physics, 2011, 44, 335302.	2.8	4
16	Optical signatures of thiolate/Cu(110) and S/Cu(110) surface structures. Physical Review B, 2010, 82, .	3.2	2
17	Evidence for the observation of surface states at the Cu(110)/electrolyte interface. Europhysics Letters, 2010, 92, 57005.	2.0	13
18	Reflection anisotropy spectroscopy of the oxidized diamond (001) surface. Journal of Physics Condensed Matter, 2009, 21, 364218.	1.8	2

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19	Detection of DNA hybridisation on a functionalised diamond surface using reflection anisotropy spectroscopy. Europhysics Letters, 2009, 85, 18006.	2.0	9
20	Optical reflectance anisotropy of the Si/Cu(110) surface alloy. Journal of Physics Condensed Matter, 2009, 21, 405003.	1.8	6
21	Reflection anisotropy spectroscopy of biological molecules with the 4GLS source. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2621-2626.	0.8	3
22	Azimuthal dependent reflection anisotropy spectroscopy of Ag(110) near the plasmon resonance energy. Applied Physics Letters, 2008, 93, 191102.	3.3	10
23	Optical reflectance anisotropy of Ag(110): Evidence for contributions from surface-modified bulk band transitions. Physical Review B, 2007, 76, .	3.2	15
24	Effects of a nanoparticulate silica substrate on cell attachment of Candida albicans. Journal of Applied Microbiology, 2007, 102, 757-765.	3.1	69
25	Real-time monitoring of the development and stability of biofilms of Streptococcus mutans using the quartz crystal microbalance with dissipation monitoring. Biosensors and Bioelectronics, 2007, 23, 407-413.	10.1	66
26	Reflection Anisotropy Spectroscopy Study of the Adsorption of Sulfur-Containing Amino Acids at the Au(110)/Electrolyte Interface. Langmuir, 2006, 22, 3413-3420.	3.5	43
27	Orientation of Ordered Structures of Cytosine and Cytidine5â€²-Monophosphate Adsorbed at Au(110)/Liquid Interfaces. Physical Review Letters, 2006, 96, 086102.	7.8	49
28	SURFACE PREPARATION OF CU(110) FOR AMBIENT ENVIRONMENTS. , 2006, , .		0
29	MOLECULAR ASSEMBLY AT METAL SURFACES STUDIED BY REFLECTION ANISOTROPY SPECTROSCOPY. , 2006, , .		0
30	The adsorption of L-cysteine on Au(110) in ultra-high vacuum and electrochemical environments. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4012-4016.	0.8	10
31	Investigating the adsorption of the amino acid L-cysteine onto Ag(110). Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4043-4047.	0.8	5
32	RAS as a remote sensor of plastic deformation in metals. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 3997-4002.	0.8	5
33	Optical anisotropy of nanostructured noble metal surfaces. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4007-4011.	0.8	1
34	The RAS of two monolayers of Pd deposited on the Au(110)1 Ã— 2 surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4003-4006.	0.8	6
35	Molecular adsorbate induced restructuring of a stepped Cu(110) surface. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4017-4021.	0.8	2
36	Fundamental properties of surfaces. , 2005, , 3-28.		0

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37	Reflectance Anisotropy Spectra of the Diamond(100)â˜'(2Ã—1)Surface: Evidence of Strongly Bound Surface State Excitons. Physical Review Letters, 2005, 94, 087404.	7.8	34
38	Effects of ion bombardment on the optical and electronic properties of Cu(110). Physical Review B, 2005, 72, .	3.2	12
39	Reflection anisotropy spectroscopy. Reports on Progress in Physics, 2005, 68, 1251-1341.	20.1	330
40	Contributions from surface-modified bulk electronic bands to the reflection anisotropy of Au(110)-(1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	17
41	Comment on â€œMonitoring the Transitions of the Charge-Induced Reconstruction of Au(110) by Reflection Anisotropy Spectroscopyâ€• Physical Review Letters, 2004, 92, 199707.	7.8	23
42	Reflection anisotropy spectroscopy of the Pd/Au(110)-(1Ã—2)surface alloy. Physical Review B, 2004, 69, .	3.2	7
43	The adsorption of aromatic acids onto the graphite basal surface. Surface Science, 2003, 536, 15-23.	1.9	19
44	High-resolution measurements of the bulk dielectric constants of single crystal gold with application to reflection anisotropy spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2931-2937.	0.8	31
45	Creating a functionalized surface: The adsorption of terephthalic acid onto Cu(110). Physical Review B, 2002, 66, .	3.2	48
46	The role of surface states in the Na/Cu(110)(1Ã—2) reconstruction. Journal of Physics Condensed Matter, 2002, 14, 675-680.	1.8	8
47	Reflection anisotropy spectroscopy: a new probe of metal surfaces. Surface and Interface Analysis, 2001, 31, 915-926.	1.8	52
48	Reflection anisotropy and surface electronic structure of W(110). Journal of Physics Condensed Matter, 2001, 13, L607-L612.	1.8	12
49	Reflection anisotropy spectroscopy of clean and adsorbate-covered Ni(110) surfaces. Journal of Physics Condensed Matter, 2001, 13, 9847-9855.	1.8	4
50	Thermal behavior of the Cu(110) surface studied by reflection anisotropy spectroscopy and scanning tunneling microscopy. Physical Review B, 2001, 63, .	3.2	37
51	Reflection anisotropy spectroscopy: a new probe of metal surfaces. Surface and Interface Analysis, 2001, 31, 915-926.	1.8	1
52	REFLECTION ANISOTROPY SPECTROSCOPY: AN OPTICAL PROBE OF SURFACES AND INTERFACES. Surface Review and Letters, 2000, 07, 389-397.	1.1	12
53	Reflection anisotropy spectroscopy of theNa/Cu(110)(1Ã—2)surface reconstruction. Physical Review B, 2000, 62, 15417-15419.	3.2	23
54	Reflection Anisotropy Spectroscopy: A New Probe for the Solid-Liquid Interface. Physical Review Letters, 2000, 85, 4618-4621.	7.8	74