Michael Hohage

List of Publications by Year
in descending order

69	2,125	331670 21	233421 45
papers	citations	h-index	g-index

70	70	70	2222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In situ electromagnet with active cooling for real-time magneto-optic Kerr effect spectroscopy. Review of Scientific Instruments, 2021, 92, 025105.	1.3	2
2	Growth oscillation of MoSe₂ monolayers observed by differential reflectance spectroscopy. Journal of Physics Condensed Matter, 2020, 32, 155001.	1.8	3
3	Initial stage of MBE growth of MoSe₂ monolayer. Nanotechnology, 2020, 31, 315710.	2.6	10
4	Substrate Induced Optical Anisotropy in Monolayer MoS₂. Journal of Physical Chemistry C, 2020, 124, 15468-15473.	3.1	9
5	Magnetic switching in Ni/Cu(110)-(2â€‰Ã—â€‰1)O induced by CoPc. Journal of Applied Physics, 2019, 125, 142902.	2.5	3
6	Direct observation of the CVD growth of monolayer MoS₂ using in situ optical spectroscopy. Beilstein Journal of Nanotechnology, 2019, 10, 557-564.	2.8	21
7	Real-time in situ fluorescence study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -6T thin film growth on muscovite mica. Physical Review Materials, 2019, 3, .	2.4	4
8	Kinetic Barrier Against Standing Up of Pentacene Molecules Upon a Pentacene Monolayer. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800230.	2.4	0
9	Kinetic Barrier Against Standing Up of Pentacene Molecules Upon a Pentacene Monolayer (Phys. Status) Tj ETQq1 1 0.784314 rgBT /Ov	2.4	1
10	Reflectance and fluorescence spectroscopy of ultrathin PTCDI-C5 films on muscovite mica. Synthetic Metals, 2017, 228, 105-110.	3.9	0
11	Probing optical excitations in chevron-like armchair graphene nanoribbons. Nanoscale, 2017, 9, 18326-18333.	5.6	19
12	Real-time monitoring of 2D semiconductor film growth with optical spectroscopy. Nanotechnology, 2017, 28, 465601.	2.6	6
13	Growth of pentacene on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€“</mml:mtext><mml:msub mathvariant="bold">Al</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> (0001) studied by in situ optical spectroscopy. Physical Review Materials, 2017, 1, .	2.4	12
14	Optical and structural properties of the pentacene/quartz (0001) interface. Physical Review B, 2016, 93, .	3.2	11
15	Water adsorbate influence on the Cu(110) surface optical response. Surface Science, 2015, 641, 231-236.	1.9	9
16	Reflectance anisotropy spectroscopy as a tool for mechanical characterization of metallic thin films. Journal Physics D: Applied Physics, 2015, 48, 415303.	2.8	10
17	Reflectance difference spectroscopy of water on Cu(110). Surface Science, 2014, 627, 16-22.	1.9	4
18	Exciton-dominated optical response of ultra-narrow graphene nanoribbons. Nature Communications, 2014, 5, 4253.	12.8	155

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19	Optical probe for surface and subsurface defects induced by ion bombardment. Physica Status Solidi - Rapid Research Letters, 2013, 7, 301-304.	2.4	4
20	Layer resolved evolution of the optical properties of Î±-sexithiophene thin films. Physical Chemistry Chemical Physics, 2012, 14, 13651.	2.8	16
21	Monitoring preparation and phase transitions of carburized W(110) by reflectance difference spectroscopy. Applied Surface Science, 2012, 258, 10123-10127.	6.1	4
22	Effect of postgrowth oxygen exposure on the magnetic properties of Ni on the Cu-CuO stripe phase. Physical Review B, 2012, 85, .	3.2	5
23	Growth and optical properties of Ag clusters deposited on poly(ethylene terephthalate). Nanotechnology, 2011, 22, 275710.	2.6	8
24	In-situ characterization of metal clusters supported onÂaÂbirefringent substrate using reflectance difference spectroscopy. Applied Physics A: Materials Science and Processing, 2010, 98, 499-507.	2.3	6
25	Optical characterization of methanol adsorption on the bare and oxygen precovered Cu(110) surface. Surface Science, 2010, 604, 824-828.	1.9	3
26	A rotating-compensator based reflectance difference spectrometer for fast spectroscopic measurements. Review of Scientific Instruments, 2010, 81, 043108.	1.3	20
27	Stranski-Krastanov growth of para-sexiphenyl on Cu(110)â€“(2Ã—1)O revealed by optical spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 14706.	2.8	13
28	Revealing the buried interface: para-sexiphenyl thin films grown on TiO2(110). Physical Chemistry Chemical Physics, 2010, 12, 3141.	2.8	15
29	Extremely sharp spin reorientation transition in ultrathin Ni films grown on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Cu</mml:mtext><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mn>110</mml:mn></mml:mrow></mml:mrow></mml:mrow></mml:math> Physical Review B, 2009, 79, .	3.2	8
30	Optical characterization of thin nickel films on polymer substrates using reflectance difference spectroscopy. Journal of Applied Physics, 2009, 105, 123503.	2.5	4
31	Selective protein and DNA adsorption on PLL-PEG films modulated by ionic strength. Soft Matter, 2009, 5, 613-621.	2.7	29
32	Scattering of surface electrons from CuO stripes on Cu(110). Surface Science, 2008, 602, L1-L4.	1.9	15
33	Retardation correction for photoelastic modulator-based multichannel reflectance difference spectroscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 1240.	1.5	6
34	Effects of laser irradiation on the morphology of Cu(110). Physical Review B, 2008, 78, .	3.2	4
35	Oxygen-induced restructuring of Cu(19 19 1) studied by scanning tunneling microscopy. Physical Review B, 2008, 78, .	3.2	5
36	Optical anisotropies of metal clusters supported on a birefringent substrate. Physical Review B, 2008, 78, .	3.2	21

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37	Ab initioreflectance difference spectra of the bare and adsorbate covered Cu(110) surfaces. Physical Review B, 2007, 76, .	3.2	42
38	Oxygen chemisorption on Cu(19 19 1) studied by spot profile analysis low-energy electron diffraction. Physical Review B, 2007, 76, .	3.2	6
39	Oxygen adsorption on Cu(110) at low temperature. Physical Review B, 2007, 76, .	3.2	25
40	Preparation and Characterization of Dense Films of Poly(amidoamine) Dendrimers on Indium Tin Oxide. Langmuir, 2007, 23, 8916-8924.	3.5	50
41	Dense Passivating Poly(ethylene glycol) Films on Indium Tin Oxide Substrates. Langmuir, 2007, 23, 10244-10253.	3.5	34
42	para-Sexiphenyl thin film growth on Cu(110) and Cu(110)â€“(2Ã—1)O surfaces. Surface Science, 2006, 600, 762-769.	1.9	36
43	Reflectance difference spectroscopy study of Ag growth on W(110). Surface Science, 2006, 600, L281-L285.	1.9	3
44	Online measurement of the optical anisotropy during the growth of crystalline organic films. Applied Physics Letters, 2006, 88, 121913.	3.3	22
45	Strain Oscillations Probed with Light. Physical Review Letters, 2006, 96, 016105.	7.8	13
46	Origin and temperature dependence of the surface optical anisotropy on Cu(110). Surface Science, 2005, 589, 153-163.	1.9	27
47	Reflectance difference spectroscopy â€“ a powerful tool to study adsorption and growth. Applied Physics A: Materials Science and Processing, 2005, 80, 1005-1010.	2.3	12
48	Oxygen-induced reconstructions of Cu(110) studied by reflectance difference spectroscopy. Physical Review B, 2004, 69, .	3.2	24
49	Elastic origin of the O/Cu(110) self-ordering evidenced by GIXD. Surface Science, 2004, 549, 52-66.	1.9	37
50	The influence of long-range lateral interactions on the thermodynamics and kinetics of thermal desorption. Chemical Physics Letters, 2003, 379, 568-573.	2.6	9
51	The influence of weak adsorbateâ€“adsorbate interactions on desorption. Chemical Physics Letters, 2003, 369, 275-280.	2.6	14
52	Surface-induced d-band anisotropy on Cu(). Surface Science, 2003, 527, L184-L190.	1.9	29
53	RDS investigation of adsorption and surface ordering processes on Cu(110). Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 3022-3026.	0.8	6
54	Enhanced Optical Sensitivity to Adsorption due to Depolarization of Anisotropic Surface States. Physical Review Letters, 2003, 90, 106104.	7.8	40

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55	Kinetic Monte Carlo investigation of Xe adsorption and desorption on Pt(111) and Pt(997). Physical Review B, 2002, 65, .	3.2	13
56	Growth of cobalt on the nanostructured Cuâ€“CuO() surface. Surface Science, 2002, 512, 185-193.	1.9	11
57	Novel Monte Carlo scheme for the simulation of adsorption and desorption processes. Chemical Physics Letters, 2001, 336, 123-128.	2.6	7
58	OberflÃchenphysik: Nanostrukturierte OberflÃchen: Anwendungen von Nanostrukturen setzen einfache, reproduzierbare Herstellungsverfahren voraus. Physik Journal, 2000, 56, 33-38.	0.1	1
59	Kinetic Monte Carlo simulation scheme for studying desorption processes. Surface Science, 2000, 454-456, 251-255.	1.9	28
60	Instabilities and Kinetic Anisotropies as Determining Factors of Island Growth-Shapes. NATO ASI Series Series B: Physics, 1997, , 125-134.	0.2	2
61	Atomic Processes in Low Temperature Pt-Dendrite Growth on Pt(111). Physical Review Letters, 1996, 76, 2366-2369.	7.8	111
62	The effect of surface reconstruction on the growth mode in homoepitaxy. Surface Science, 1996, 349, L89-L94.	1.9	49
63	New Approach for Determination of Diffusion Parameters of Adatoms. Physical Review Letters, 1996, 76, 1304-1307.	7.8	208
64	Pt(111) network reconstruction: structure, growth and decay. Surface Science, 1995, 337, 249-267.	1.9	72
65	Origin of oxygen induced layer-by-layer growth in homoepitaxy on Pt(111). Physical Review Letters, 1994, 72, 518-521.	7.8	193
66	Nuclei of the Pt(111) network reconstruction created by single ion impacts. Physical Review Letters, 1994, 72, 1682-1685.	7.8	66
67	Inversion of growth speed anisotropy in two dimensions. Physical Review Letters, 1993, 70, 3943-3946.	7.8	320
68	Inversion of Growth Speed Anisotropy in Two Dimensions. Physical Review Letters, 1993, 71, 1659-1659.	7.8	5
69	Pt(111) reconstruction induced by enhanced Pt gas-phase chemical potential. Physical Review Letters, 1993, 70, 1489-1492.	7.8	144