Thilo Glatzel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4087407/publications.pdf

Version: 2024-02-01

		81839	88593
156	5,782	39	70
papers	citations	h-index	g-index

158	158	158	5980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kelvin probe force microscopy for material characterization. Microscopy (Oxford, England), 2022, 71, i165-i173.	0.7	13
2	Topographic signatures and manipulations of Fe atoms, CO molecules and NaCl islands on superconducting Pb(111). Beilstein Journal of Nanotechnology, 2022, 13, 1-9.	1.5	0
3	2D KBr/Graphene Heterostructuresâ€"Influence on Work Function and Friction. Nanomaterials, 2022, 12, 968.	1.9	1
4	Flexible Superlubricity Unveiled in Sidewinding Motion of Individual Polymeric Chains. Physical Review Letters, 2022, 128, .	2.9	5
5	Observation of robust superlubricity of MoS2 on Au(111) in ultrahigh vacuum. Applied Surface Science, 2022, 601, 154230.	3.1	6
6	Atomic-scale investigations of ultralow friction on crystal surfaces in ultrahigh vacuum. , 2021, , 71-84.		0
7	Reconstruction of a 2D layer of KBr on Ir(111) and electromechanical alteration by graphene. Beilstein Journal of Nanotechnology, 2021, 12, 432-439.	1.5	1
8	Influence of electrospray deposition on C₆₀ molecular assemblies. Beilstein Journal of Nanotechnology, 2021, 12, 552-558.	1.5	3
9	Morphological and stoichiometric optimization of Cu2O thin films by deposition conditions and post-growth annealing. Thin Solid Films, 2021, 732, 138763.	0.8	12
10	KPFM and DFT as tools to correlate the charge distribution and molecular orientation of dendritic adsorbates on different surfaces. Applied Surface Science, 2021, 565, 150552.	3.1	5
11	Sequential Bending and Twisting around Câ€"C Single Bonds by Mechanical Lifting of a Pre-Adsorbed Polymer. Nano Letters, 2020, 20, 652-657.	4.5	12
12	Low Friction at the Nanoscale of Hydrogenated Fullerene-Like Carbon Films. Coatings, 2020, 10, 643.	1.2	2
13	Giant thermal expansion of a two-dimensional supramolecular network triggered by alkyl chain motion. Communications Materials, 2020, 1, 8.	2.9	20
14	Initial Stage of para-Hexaphenyl Thin-Film Growth Controlled by the Step Structure of the Ion-Beam-Modified TiO2(110) Surface. Journal of Physical Chemistry C, 2019, 123, 20257-20269.	1.5	1
15	Controlled switching of a single CuPc molecule on Cu(111) at low temperature. Physical Review B, 2019, 100, .	1.1	6
16	Comparing a porphyrin- and a coumarin-based dye adsorbed on NiO(001). Beilstein Journal of Nanotechnology, 2019, 10, 874-881.	1.5	4
17	Atomic Friction: Anisotropy and Asymmetry Effects. Tribology Letters, 2019, 67, 1.	1.2	12
18	Altering the Properties of Graphene on Cu(111) by Intercalation of Potassium Bromide. ACS Nano, 2019, 13, 5485-5492.	7.3	20

#	Article	IF	Citations
19	Conformations and cryo-force spectroscopy of spray-deposited single-strand DNA on gold. Nature Communications, 2019, 10, 685.	5.8	30
20	Electrospray deposition of structurally complex molecules revealed by atomic force microscopy. Nanoscale, 2018, 10, 1337-1344.	2.8	23
21	Experimental Technique and Working Modes. Springer Series in Surface Sciences, 2018, , 3-22.	0.3	2
22	Transoid-to-Cisoid Conformation Changes of Single Molecules on Surfaces Triggered by Metal Coordination. ACS Omega, 2018, 3, 12851-12856.	1.6	5
23	Recent highlights in nanoscale and mesoscale friction. Beilstein Journal of Nanotechnology, 2018, 9, 1995-2014.	1.5	27
24	Anchoring of a dye precursor on NiO(001) studied by non-contact atomic force microscopy. Beilstein Journal of Nanotechnology, 2018, 9, 242-249.	1.5	10
25	Silicon-Vacancy Centers in Ultra-Thin Nanocrystalline Diamond Films. Micromachines, 2018, 9, 281.	1.4	11
26	A Twoâ€Dimensional Polymer Synthesized at the Air/Water Interface. Angewandte Chemie, 2018, 130, 10744-10748.	1.6	10
27	A Twoâ€Dimensional Polymer Synthesized at the Air/Water Interface. Angewandte Chemie - International Edition, 2018, 57, 10584-10588.	7.2	61
28	Hydroxyl-Induced Partial Charge States of Single Porphyrins on Titania Rutile. Journal of Physical Chemistry C, 2017, 121, 3607-3614.	1.5	23
29	Single-molecule manipulation experiments to explore friction and adhesion. Journal Physics D: Applied Physics, 2017, 50, 113003.	1.3	24
30	Atomic Scale Friction Phenomena. , 2017, , 519-548.		4
31	Surface science at the PEARL beamline of the Swiss Light Source. Journal of Synchrotron Radiation, 2017, 24, 354-366.	1.0	66
32	Thermally induced anchoring of a zinc-carboxyphenylporphyrin on rutile TiO2 (110). Journal of Chemical Physics, 2017, 146, .	1.2	13
33	Donorâ€“Acceptor Properties of a Single-Molecule Altered by On-Surface Complex Formation. ACS Nano, 2017, 11, 8413-8420.	7.3	30
34	Design and Characterization of an Electrically Powered Single Molecule on Gold. ACS Nano, 2017, 11, 9930-9940.	7.3	44
35	Atomic Scale Friction Phenomena. Springer Handbooks, 2017, , 987-1011.	0.3	0
36	Antibacterial effects of bio-inspired nanostructured materials. Journal of Oral Microbiology, 2017, 9, 1325241.	1.2	2

#	Article	IF	Citations
37	Nanostructuring of an alkali halide surface by low temperature plasma exposure. Physical Chemistry Chemical Physics, 2017, 19, 16251-16256.	1.3	2
38	Ordering of Zn-centered porphyrin and phthalocyanine on TiO₂(011): STM studies. Beilstein Journal of Nanotechnology, 2017, 8, 99-107.	1.5	12
39	Nanoanalytics for materials science. Beilstein Journal of Nanotechnology, 2016, 7, 1674-1675.	1.5	1
40	Advanced atomic force microscopy techniques III. Beilstein Journal of Nanotechnology, 2016, 7, 1052-1054.	1.5	1
41	Scanning probe microscopy studies on the adsorption of selected molecular dyes on titania. Beilstein Journal of Nanotechnology, 2016, 7, 1642-1653.	1.5	14
42	Probing atomic structure and Majorana wavefunctions in mono-atomic Fe chains on superconducting Pb surface. Npj Quantum Information, 2016, 2, .	2.8	283
43	Work function of few layer graphene covered nickel thin films measured with Kelvin probe force microscopy. Applied Physics Letters, 2016, 108, .	1.5	7
44	Morphology Change of C₆₀ Islands on Organic Crystals Observed by Atomic Force Microscopy. ACS Nano, 2016, 10, 5782-5788.	7.3	7
45	Self-assembling of Zn porphyrins on a (110) face of rutile TiO2â€“The anchoring role of carboxyl groups. Applied Surface Science, 2016, 379, 277-281.	3.1	36
46	Modular synthesis of simple cycloruthenated complexes with state-of-the-art performance in p-type DSCs. Journal of Materials Chemistry C, 2016, 4, 9823-9833.	2.7	21
47	Dopant imaging of power semiconductor device cross sections. Microelectronic Engineering, 2016, 160, 18-21.	1.1	11
48	Single-Molecule Tribology: Force Microscopy Manipulation of a Porphyrin Derivative on a Copper Surface. ACS Nano, 2016, 10, 713-722.	7.3	40
49	Water interaction with hydrogenated and oxidized detonation nanodiamonds â€” Microscopic and spectroscopic analyses. Diamond and Related Materials, 2016, 63, 97-102.	1.8	74
50	Chain-like structure elements in Ni40Ta60 metallic glasses observed by scanning tunneling microscopy. Scientific Reports, 2015, 5, 13143.	1.6	10
51	Ordered heteromolecular overlayers formed by metal phthalocyanines and porphyrins on rutile titanium dioxide surface studied at room temperature. Journal of Chemical Physics, 2015, 143, 224702.	1.2	14
52	Transformations of PTCDA structures on rutile TiO2 induced by thermal annealing and intermolecular forces. Beilstein Journal of Nanotechnology, 2015, 6, 1498-1507.	1.5	11
53	Electrospray deposition of organic molecules on bulk insulator surfaces. Beilstein Journal of Nanotechnology, 2015, 6, 1927-1934.	1.5	17
54	Large area scanning probe microscope in ultra-high vacuum demonstrated for electrostatic force measurements on high-voltage devices. Beilstein Journal of Nanotechnology, 2015, 6, 2485-2497.	1.5	6

#	Article	IF	Citations
55	Improving the Design of the Shield for the Electric Field in SiC-Based Schottky-Rectifiers and Ion-Implantation Cascades by SPM Dopant-Imaging. Microelectronic Engineering, 2015, 148, 1-4.	1.1	6
56	Impact of photocatalysis on carotenoic acid dye-sensitized solar cells. Hybrid Materials, 2015, 2, .	0.7	2
57	Mechanical and Electrical Properties of Single Molecules. Advances in Atom and Single Molecule Machines, 2015, , 25-47.	0.0	1
58	Role of a Carboxyl Group in the Adsorption of Zn Porphyrins on TiO₂(011)-2Ã—1 Surface. Journal of Physical Chemistry C, 2015, 119, 21561-21566.	1.5	21
59	Characterization of individual molecular adsorption geometries by atomic force microscopy: Cu-TCPP on rutile TiO2 (110). Journal of Chemical Physics, 2015, 143, 094202.	1.2	28
60	Development of power semiconductors by quantitative nanoscale dopant imaging. , 2015, , .		0
61	Advanced atomic force microscopy techniques II. Beilstein Journal of Nanotechnology, 2014, 5, 2326-2327.	1.5	9
62	Friction force microscopy studies on SiO2supported pristine and hydrogenated graphene. Applied Physics Letters, 2014, 104, 041910.	1.5	28
63	Quantifying the atomic-level mechanics of single long physisorbed molecular chains. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3968-3972.	3.3	59
64	Hydrogen-induced buckling of gold films. Journal Physics D: Applied Physics, 2014, 47, 025302.	1.3	16
65	Biophotovoltaics: Natural pigments in dye-sensitized solar cells. Applied Energy, 2014, 115, 216-225.	5.1	328
66	Using Scanning Electrochemical Microscopy to Examine Copper(I) Sensitizers for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 16912-16918.	1.5	12
67	Development of scanning electrochemical microscopy (SECM) techniques for the optimization of dye sensitized solar cells. Electrochimica Acta, 2014, 119, 86-91.	2.6	13
68	Combined SIMS-SPM instrument for high sensitivity and high-resolution elemental 3D analysis. Surface and Interface Analysis, 2013, 45, 513-516.	0.8	30
69	Local Detection of Nitrogen-Vacancy Centers in a Nanodiamond Monolayer. Nano Letters, 2013, 13, 5803-5807.	4.5	21
70	Obtaining Detailed Structural Information about Supramolecular Systems on Surfaces by Combining High-Resolution Force Microscopy with ab Initio Calculations. ACS Nano, 2013, 7, 9098-9105.	7.3	56
71	Hydrogen plasma microlithography of graphene supported on a Si/SiO2 substrate. Applied Physics Letters, 2013, 102, .	1.5	7
72	Elastic Response of Graphene Nanodomes. ACS Nano, 2013, 7, 2927-2934.	7.3	35

#	Article	IF	Citations
73	Energy Loss Triggered by Atomic-Scale Lateral Force. Physical Review Letters, 2013, 110, 203203.	2.9	13
74	Systematic study of the dolomite (104) surface by bimodal dynamic force microscopy in ultra-high vacuum. Nanotechnology, 2013, 24, 055702.	1.3	5
75	KELVIN PROBE FORCE MICROSCOPY FOR SOLAR CELL APPLICATIONS. World Scientific Series in Nanoscience and Nanotechnology, 2013, , 115-162.	0.1	2
76	Kelvin probe force microscopy of nanocrystalline TiO₂ photoelectrodes. Beilstein Journal of Nanotechnology, 2013, 4, 418-428.	1.5	49
77	Combined SIMS-SPM Instrument for High Sensitivity and High Resolution Elemental 3D Analysis. Microscopy and Microanalysis, 2013, 19, 668-669.	0.2	0
78	Three-dimensional dynamic force spectroscopy measurements on KBr(001): atomic deformations at small tipâ€“sample separations. Nanotechnology, 2012, 23, 055401.	1.3	26
79	Rapid reconstruction of a strong nonlinear property by a multiple lock-in technique. Physical Review B, 2012, 85, .	1.1	8
80	Measuring Electric Field Induced Subpicometer Displacement of Step Edge Ions. Physical Review Letters, 2012, 109, 146101.	2.9	16
81	Design and performance of a combined secondary ion mass spectrometry-scanning probe microscopy instrument for high sensitivity and high-resolution elemental three-dimensional analysis. Review of Scientific Instruments, 2012, 83, 063702.	0.6	25
82	Energy dissipation in dynamic force microscopy on KBr(001) correlated with atomic-scale adhesion phenomena. Physical Review B, 2012, 86, .	1.1	10
83	Combined SIMS-SPM Instrument For High Sensitivity And High Resolution Elemental 3D Analysis. Microscopy and Microanalysis, 2012, 18, 888-889.	0.2	1
84	Multiscale approach for simulations of Kelvin probe force microscopy with atomic resolution. Physical Review B, 2012, 86, .	1.1	59
85	Two-dimensional nanodiamond monolayers deposited by combined ultracentrifugation and electrophoresis techniques. Applied Physics Letters, 2012, 101, .	1.5	16
86	High-resolution imaging of C₆₀molecules using tuning-fork-based non-contact atomic force microscopy. Journal of Physics Condensed Matter, 2012, 24, 084005.	0.7	29
87	Directed Rotations of Single Porphyrin Molecules Controlled by Localized Force Spectroscopy. ACS Nano, 2012, 6, 6318-6324.	7.3	44
88	Contrast inversion of the h-BN nanomesh investigated by nc-AFM and Kelvin probe force microscopy. Journal of Physics Condensed Matter, 2012, 24, 314212.	0.7	7
89	Interplay of the tipâ€“sample junction stability and image contrast reversal on a Cu(111) surface revealed by the 3D force field. Nanotechnology, 2012, 23, 045705.	1.3	24
90	Advanced atomic force microscopy techniques. Beilstein Journal of Nanotechnology, 2012, 3, 893-894.	1.5	16

#	Article	IF	Citations
91	Atomic-Scale Mechanical Properties of Orientated C₆₀ Molecules Revealed by Noncontact Atomic Force Microscopy. ACS Nano, 2011, 5, 6349-6354.	7.3	74
92	Three dimensional imaging using secondary ion mass spectrometry and atomic force microscopy. Applied Surface Science, 2011, 258, 1322-1327.	3.1	24
93	Oriented growth of porphyrin-based molecular wires on ionic crystals analysed by nc-AFM. Beilstein Journal of Nanotechnology, 2011, 2, 34-39.	1.5	21
94	The role of the cantilever in Kelvin probe force microscopy measurements. Beilstein Journal of Nanotechnology, 2011, 2, 252-260.	1.5	69
95	Organic Molecules Reconstruct Nanostructures on Ionic Surfaces. Small, 2011, 7, 1264-1270.	5.2	18
96	Atomic-scale dissipation processes in dynamic force spectroscopy. Physical Review B, 2011, 84, .	1.1	40
97	Systematic measurement of pentacene assembled on Cu(111) by bimodal dynamic force microscopy at room temperature. Physical Review B, 2011, 84, .	1.1	23
98	Interaction-induced atomic displacements revealed by drift-corrected dynamic force spectroscopy. Physical Review B, 2011, 83, .	1.1	42
99	Orientation dependent molecular friction on organic layer compound crystals. Applied Physics Letters, 2011, 98, 083119.	1.5	24
100	Multiple Slips in Atomic-Scale Friction: An Indicator for the Lateral Contact Damping. Tribology Letters, 2010, 39, 63-69.	1.2	38
101	Atomic contact potential variations of Si(111)-7 Ã— 7 analyzed by Kelvin probe force microscopy. Nanotechnology, 2010, 21, 245704.	1.3	43
102	Contacting self-ordered molecular wires by nanostencil lithography. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C4D34-C4D39.	0.6	12
103	Ultrasensitive detection of lateral atomic-scale interactions on graphite (0001) via bimodal dynamic force measurements. Physical Review B, 2010, 81, .	1.1	79
104	Three-dimensional force spectroscopy of KBr(001) by tuning fork-based cryogenic noncontact atomic force microscopy. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C4B1-C4B5.	0.6	23
105	Functionalized Truxenes: Adsorption and Diffusion of Single Molecules on the KBr(001) Surface. ACS Nano, 2010, 4, 3429-3439.	7.3	58
106	Cutting and self-healing molecular wires studied by dynamic force microscopy. Applied Physics Letters, 2009, 95, 103109.	1.5	18
107	Systematic Achievement of Improved Atomic-Scale Contrast via Bimodal Dynamic Force Microscopy. Physical Review Letters, 2009, 103, 220801.	2.9	113
108	Molecular assemblies grown between metallic contacts on insulating surfaces. Applied Physics Letters, 2009, 94, 063303.	1.5	39

#	Article	IF	Citations
109	Dynamic superlubricity on insulating and conductive surfaces in ultra-high vacuum and ambient environment. Nanotechnology, 2009, 20, 025501.	1.3	30
110	Novel Probes for Molecular Electronics. Science, 2009, 324, 1397-1398.	6.0	24
111	Time-averaged cantilever deflection in dynamic force spectroscopy. Physical Review B, 2009, 80, .	1.1	16
112	On the relevance of the atomic-scale contact potential difference by amplitude-modulation and frequency-modulation Kelvin probe force microscopy. Nanotechnology, 2009, 20, 264014.	1.3	35
113	Determination of effective tip geometries in Kelvin probe force microscopy on thin insulating films on metals. Nanotechnology, 2009, 20, 264016.	1.3	39
114	Modulation of contact resonance frequency accompanying atomic-scale stickâ€“slip in friction force microscopy. Nanotechnology, 2009, 20, 495701.	1.3	17
115	Two-dimensional simulation of superlubricity on NaCl and highly oriented pyrolytic graphite. Physical Review B, 2009, 79, .	1.1	65
116	Nanoscale Engineering of Molecular Porphyrin Wires on Insulating Surfaces. Small, 2008, 4, 1115-1118.	5.2	78
117	Molecular Assemblies on Insulating Ultrathin Films Analyzed by NCâ€AFM and KPFM. Israel Journal of Chemistry, 2008, 48, 107-116.	1.0	13
118	Surface photovoltage analysis of thin CdS layers on polycrystalline chalcopyrite absorber layers by Kelvin probe force microscopy. Nanotechnology, 2008, 19, 145705.	1.3	32
119	Atomic Scale Kelvin Probe Force Microscopy Studies of the Surface Potential Variations on the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mn>110</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 327 Td (stretchy="false	2.9	115
120	Analytical approach to the local contact potential difference on (001) ionic surfaces: Implications for Kelvin probe force microscopy. Physical Review B, 2008, 78, .	1.1	98
121	Asymmetry in the reciprocal epitaxy of NaCl and KBr. Physical Review B, 2007, 75, .	1.1	18
122	Comment on â€œElectrostatic Force Microscopy on Oriented Graphite Surfaces: Coexistence of Insulating and Conducting Behaviorsâ€• Physical Review Letters, 2007, 98, 269701; discussion 269702.	2.9	21
123	Characterization of nanoparticles using Atomic Force Microscopy. Journal of Physics: Conference Series, 2007, 61, 971-976.	0.3	58
124	Formation of molecular wires on nanostructured KBr. Journal of Physics: Conference Series, 2007, 61, 1357-1360.	0.3	18
125	Principles of Kelvin Probe Force Microscopy. , 2007, , 113-131.		22
126	Formation of the physical vapor deposited CdSâˆ•Cu(In,Ga)Se2 interface in highly efficient thin film solar cells. Applied Physics Letters, 2006, 88, 143510.	1.5	34

#	Article	IF	Citations
127	Interface engineering in chalcopyrite thin film solar devices. Solar Energy Materials and Solar Cells, 2006, 90, 1471-1485.	3.0	32
128	Texture and electronic activity of grain boundaries in Cu(In,Ga)Se2 thin films. Applied Physics A: Materials Science and Processing, 2006, 82, 1-7.	1.1	87
129	Efficiency limiting morphological factors of MDMO-PPV:PCBM plastic solar cells. Thin Solid Films, 2006, 511-512, 587-592.	0.8	140
130	Potential distribution of Cu(In,Ga)(S,Se)2-solar cell cross-sections measured by Kelvin probe force microscopy. Thin Solid Films, 2005, 480-481, 177-182.	0.8	53
131	Kelvin Probe Force Microscopy Study of Conjugated Polymer/Fullerene Organic Solar Cells. Japanese Journal of Applied Physics, 2005, 44, 5370-5373.	0.8	46
132	High-Efficient ZnO/PVD-CdS/Cu(In,Ga)Se₂ Thin Film Solar Cells: Formation of the Buffer-Absorber Interface and Transport Properties. Materials Research Society Symposia Proceedings, 2005, 865, 14251.	0.1	8
133	Nanoscale potential distribution across multiquantum well structures: Kelvin probe force microscopy and secondary electron imaging. Journal of Applied Physics, 2005, 98, 084310.	1.1	18
134	Electrical activity at grain boundaries ofCu(In,Ga)Se2thin films. Physical Review B, 2005, 71, .	1.1	69
135	Kelvin Probe Force Microscopy Study on Conjugated Polymer/Fullerene Bulk Heterojunction Organic Solar Cells. Nano Letters, 2005, 5, 269-274.	4.5	281
136	Lift-off process and rear-side characterization of CuGaSe2 chalcopyrite thin films and solar cells. Journal of Applied Physics, 2005, 97, 094915.	1.1	40
137	Influence of uncompensated electrostatic force on height measurements in non-contact atomic force microscopy. Nanotechnology, 2004, 15, S14-S18.	1.3	36
138	Assessing the performance of two-dimensional dopant profiling techniques. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 385.	1.6	61
139	Characterization of quantum wells by cross-sectional Kelvin probe force microscopy. Applied Physics Letters, 2004, 85, 5245-5247.	1.5	14
140	Electronic structure of secondary phases in Cu-rich CuGaSe2 solar cell devices. Applied Physics Letters, 2004, 85, 3755-3757.	1.5	26
141	Kelvin probe force microscopy of semiconductor surface defects. Physical Review B, 2004, 70, .	1.1	184
142	Kelvin probe force microscopy for the nano scale characterization of chalcopyrite solar cell materials and devices. Thin Solid Films, 2003, 431-432, 257-261.	0.8	115
143	Resolution of Kelvin probe force microscopy in ultrahigh vacuum: comparison of experiment and simulation. Applied Surface Science, 2003, 210, 32-36.	3.1	64
144	Amplitude or frequency modulation-detection in Kelvin probe force microscopy. Applied Surface Science, 2003, 210, 84-89.	3.1	214

#	Article	IF	Citations
145	Kelvin probe force microscopy on IIIâ€“V semiconductors: the effect of surface defects on the local work function. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 102, 138-142.	1.7	73
146	Electronic Surface Properties of Ultrahigh Vacuum Grown Polycrystalline CuGaSe₂. Solid State Phenomena, 2003, 93, 319-324.	0.3	4
147	CuGaSe2 solar cell cross section studied by Kelvin probe force microscopy in ultrahigh vacuum. Applied Physics Letters, 2002, 81, 2017-2019.	1.5	108
148	High-resolution work function imaging of single grains of semiconductor surfaces. Applied Physics Letters, 2002, 80, 2979-2981.	1.5	145
149	Contribution of the ZnSe/CuGaSe2 heterojunction in photovoltaic performances of chalcopyrite-based solar cells. Thin Solid Films, 2002, 403-404, 344-348.	0.8	9
150	Kelvin probe force microscopy for the characterization of semiconductor surfaces in chalcopyrite solar cells. Surface Science, 2001, 482-485, 1362-1367.	0.8	13
151	Kelvin probe force microscopy in ultra high vacuum using amplitude modulation detection of the electrostatic forces. Applied Surface Science, 2000, 157, 263-268.	3.1	102
152	High-sensitivity quantitative Kelvin probe microscopy by noncontact ultra-high-vacuum atomic force microscopy. Applied Physics Letters, 1999, 75, 286-288.	1.5	247
153	Two-Dimensional Carrier Profiling on Lightly Doped n-Type 4H-SiC Epitaxially Grown Layers. Materials Science Forum, 0, 821-823, 269-272.	0.3	2
154	Junction Barrier Schottky (JBS) Rectifier Interface Engineering Facilitated by Two-Dimensional (2D) Dopant Imaging. Materials Science Forum, 0, 858, 497-500.	0.3	3
155	Dye Precursor Molecules on NiO(001) Studied by Non-Contact Atomic Force Microscopy. , 0, , .		0
156	Dye Precursor Molecules on NiO(001) Studied by Non-Contact Atomic Force Microscopy. , 0, , .		0