

Thilo Glatzel

List of Publications by Year in descending order

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

Version: 2024-02-01

156
papers

5,782
citations

81839

39
h-index

88593

70
g-index

158
all docs

158
docs citations

158
times ranked

5980
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophotovoltaics: Natural pigments in dye-sensitized solar cells. Applied Energy, 2014, 115, 216-225.	5.1	328
2	Probing atomic structure and Majorana wavefunctions in mono-atomic Fe chains on superconducting Pb surface. Npj Quantum Information, 2016, 2, .	2.8	283
3	Kelvin Probe Force Microscopy Study on Conjugated Polymer/Fullerene Bulk Heterojunction Organic Solar Cells. Nano Letters, 2005, 5, 269-274.	4.5	281
4	High-sensitivity quantitative Kelvin probe microscopy by noncontact ultra-high-vacuum atomic force microscopy. Applied Physics Letters, 1999, 75, 286-288.	1.5	247
5	Amplitude or frequency modulation-detection in Kelvin probe force microscopy. Applied Surface Science, 2003, 210, 84-89.	3.1	214
6	Kelvin probe force microscopy of semiconductor surface defects. Physical Review B, 2004, 70, .	1.1	184
7	High-resolution work function imaging of single grains of semiconductor surfaces. Applied Physics Letters, 2002, 80, 2979-2981.	1.5	145
8	Efficiency limiting morphological factors of MDMO-PPV:PCBM plastic solar cells. Thin Solid Films, 2006, 511-512, 587-592.	0.8	140
9	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
10	Atomic Scale Kelvin Probe Force Microscopy Studies of the Surface Potential Variations on the TiO_2 Surface. Physical Review Letters, 2002, 89, 115501.	2.9	115
11	Systematic Achievement of Improved Atomic-Scale Contrast via Bimodal Dynamic Force Microscopy. Physical Review Letters, 2009, 103, 220801.	2.9	113
12	CuGaSe ₂ solar cell cross section studied by Kelvin probe force microscopy in ultrahigh vacuum. Applied Physics Letters, 2002, 81, 2017-2019.	1.5	108
13	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
14	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
15	Texture and electronic activity of grain boundaries in Cu(In,Ga)Se ₂ thin films. Applied Physics A: Materials Science and Processing, 2006, 82, 1-7.	1.1	87
16	Ultrasensitive detection of lateral atomic-scale interactions on graphite (0001) via bimodal dynamic force measurements. Physical Review B, 2010, 81, .	1.1	79
17	Nanoscale Engineering of Molecular Porphyrin Wires on Insulating Surfaces. Small, 2008, 4, 1115-1118.	5.2	78
18	Atomic-Scale Mechanical Properties of Orientated C ₆₀ Molecules Revealed by Noncontact Atomic Force Microscopy. ACS Nano, 2011, 5, 6349-6354.	7.3	74

#	ARTICLE	IF	CITATIONS
19	Water interaction with hydrogenated and oxidized detonation nanodiamonds " Microscopic and spectroscopic analyses. <i>Diamond and Related Materials</i> , 2016, 63, 97-102.	1.8	74
20	Kelvin probe force microscopy on III-V semiconductors: the effect of surface defects on the local work function. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 102, 138-142.	1.7	73
21	Electrical activity at grain boundaries of Cu(In,Ga)Se ₂ thin films. <i>Physical Review B</i> , 2005, 71, .	1.1	69
22	The role of the cantilever in Kelvin probe force microscopy measurements. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 252-260.	1.5	69
23	Surface science at the PEARL beamline of the Swiss Light Source. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 354-366.	1.0	66
24	Two-dimensional simulation of superlubricity on NaCl and highly oriented pyrolytic graphite. <i>Physical Review B</i> , 2009, 79, .	1.1	65
25	Resolution of Kelvin probe force microscopy in ultrahigh vacuum: comparison of experiment and simulation. <i>Applied Surface Science</i> , 2003, 210, 32-36.	3.1	64
26	Assessing the performance of two-dimensional dopant profiling techniques. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004, 22, 385.	1.6	61
27	A Two-Dimensional Polymer Synthesized at the Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10584-10588.	7.2	61
28	Multiscale approach for simulations of Kelvin probe force microscopy with atomic resolution. <i>Physical Review B</i> , 2012, 86, .	1.1	59
29	Quantifying the atomic-level mechanics of single long physisorbed molecular chains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3968-3972.	3.3	59
30	Characterization of nanoparticles using Atomic Force Microscopy. <i>Journal of Physics: Conference Series</i> , 2007, 61, 971-976.	0.3	58
31	Functionalized Truxenes: Adsorption and Diffusion of Single Molecules on the KBr(001) Surface. <i>ACS Nano</i> , 2010, 4, 3429-3439.	7.3	58
32	Obtaining Detailed Structural Information about Supramolecular Systems on Surfaces by Combining High-Resolution Force Microscopy with <i>ab Initio</i> Calculations. <i>ACS Nano</i> , 2013, 7, 9098-9105.	7.3	56
33	Potential distribution of Cu(In,Ga)(S,Se) ₂ -solar cell cross-sections measured by Kelvin probe force microscopy. <i>Thin Solid Films</i> , 2005, 480-481, 177-182.	0.8	53
34	Kelvin probe force microscopy of nanocrystalline TiO ₂ photoelectrodes. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 418-428.	1.5	49
35	Kelvin Probe Force Microscopy Study of Conjugated Polymer/Fullerene Organic Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5370-5373.	0.8	46
36	Directed Rotations of Single Porphyrin Molecules Controlled by Localized Force Spectroscopy. <i>ACS Nano</i> , 2012, 6, 6318-6324.	7.3	44

#	ARTICLE	IF	CITATIONS
37	Design and Characterization of an Electrically Powered Single Molecule on Gold. ACS Nano, 2017, 11, 9930-9940.	7.3	44
38	Atomic contact potential variations of Si(111)-7 Å ⁻⁷ analyzed by Kelvin probe force microscopy. Nanotechnology, 2010, 21, 245704.	1.3	43
39	Interaction-induced atomic displacements revealed by drift-corrected dynamic force spectroscopy. Physical Review B, 2011, 83, .	1.1	42
40	Lift-off process and rear-side characterization of CuGaSe ₂ chalcopyrite thin films and solar cells. Journal of Applied Physics, 2005, 97, 094915.	1.1	40
41	Atomic-scale dissipation processes in dynamic force spectroscopy. Physical Review B, 2011, 84, .	1.1	40
42	Single-Molecule Tribology: Force Microscopy Manipulation of a Porphyrin Derivative on a Copper Surface. ACS Nano, 2016, 10, 713-722.	7.3	40
43	Molecular assemblies grown between metallic contacts on insulating surfaces. Applied Physics Letters, 2009, 94, 063303.	1.5	39
44	Determination of effective tip geometries in Kelvin probe force microscopy on thin insulating films on metals. Nanotechnology, 2009, 20, 264016.	1.3	39
45	Multiple Slips in Atomic-Scale Friction: An Indicator for the Lateral Contact Damping. Tribology Letters, 2010, 39, 63-69.	1.2	38
46	Influence of uncompensated electrostatic force on height measurements in non-contact atomic force microscopy. Nanotechnology, 2004, 15, S14-S18.	1.3	36
47	Self-assembling of Zn porphyrins on a (110) face of rutile TiO ₂ —The anchoring role of carboxyl groups. Applied Surface Science, 2016, 379, 277-281.	3.1	36
48	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
49	Elastic Response of Graphene Nanodomes. ACS Nano, 2013, 7, 2927-2934.	7.3	35
50	Formation of the physical vapor deposited CdS•Cu(In,Ga)Se ₂ interface in highly efficient thin film solar cells. Applied Physics Letters, 2006, 88, 143510.	1.5	34
51	Interface engineering in chalcopyrite thin film solar devices. Solar Energy Materials and Solar Cells, 2006, 90, 1471-1485.	3.0	32
52	Surface photovoltage analysis of thin CdS layers on polycrystalline chalcopyrite absorber layers by Kelvin probe force microscopy. Nanotechnology, 2008, 19, 145705.	1.3	32
53	Dynamic superlubricity on insulating and conductive surfaces in ultra-high vacuum and ambient environment. Nanotechnology, 2009, 20, 025501.	1.3	30
54	Combined SIMS-SPM instrument for high sensitivity and high-resolution elemental 3D analysis. Surface and Interface Analysis, 2013, 45, 513-516.	0.8	30

#	ARTICLE	IF	CITATIONS
55	Donor–Acceptor Properties of a Single-Molecule Altered by On-Surface Complex Formation. ACS Nano, 2017, 11, 8413-8420.	7.3	30
56	Conformations and cryo-force spectroscopy of spray-deposited single-strand DNA on gold. Nature Communications, 2019, 10, 685.	5.8	30
57	High-resolution imaging of C ₆₀ molecules using tuning-fork-based non-contact atomic force microscopy. Journal of Physics Condensed Matter, 2012, 24, 084005.	0.7	29
58	Friction force microscopy studies on SiO ₂ -supported pristine and hydrogenated graphene. Applied Physics Letters, 2014, 104, 041910.	1.5	28
59	Characterization of individual molecular adsorption geometries by atomic force microscopy: Cu-TCPP on rutile TiO ₂ (110). Journal of Chemical Physics, 2015, 143, 094202.	1.2	28
60	Recent highlights in nanoscale and mesoscale friction. Beilstein Journal of Nanotechnology, 2018, 9, 1995-2014.	1.5	27
61	Electronic structure of secondary phases in Cu-rich CuGaSe ₂ solar cell devices. Applied Physics Letters, 2004, 85, 3755-3757.	1.5	26
62	Three-dimensional dynamic force spectroscopy measurements on KBr(001): atomic deformations at small tip–sample separations. Nanotechnology, 2012, 23, 055401.	1.3	26
63	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
64	Novel Probes for Molecular Electronics. Science, 2009, 324, 1397-1398.	6.0	24
65	Three dimensional imaging using secondary ion mass spectrometry and atomic force microscopy. Applied Surface Science, 2011, 258, 1322-1327.	3.1	24
66	Orientation dependent molecular friction on organic layer compound crystals. Applied Physics Letters, 2011, 98, 083119.	1.5	24
67	Interplay of the tip–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
68	Single-molecule manipulation experiments to explore friction and adhesion. Journal Physics D: Applied Physics, 2017, 50, 113003.	1.3	24
69	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
70	Systematic measurement of pentacene assembled on Cu(111) by bimodal dynamic force microscopy at room temperature. Physical Review B, 2011, 84, .	1.1	23
71	Hydroxyl-Induced Partial Charge States of Single Porphyrins on Titania Rutile. Journal of Physical Chemistry C, 2017, 121, 3607-3614.	1.5	23
72	Electrospray deposition of structurally complex molecules revealed by atomic force microscopy. Nanoscale, 2018, 10, 1337-1344.	2.8	23

#	ARTICLE	IF	CITATIONS
73	Principles of Kelvin Probe Force Microscopy. , 2007, , 113-131.		22
74	Comment on "Electrostatic Force Microscopy on Oriented Graphite Surfaces: Coexistence of Insulating and Conducting Behaviors" Physical Review Letters, 2007, 98, 269701; discussion 269702.	2.9	21
75	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
76	Local Detection of Nitrogen-Vacancy Centers in a Nanodiamond Monolayer. Nano Letters, 2013, 13, 5803-5807.	4.5	21
77	Role of a Carboxyl Group in the Adsorption of Zn Porphyrins on TiO ₂ (011)-2Å ⁻¹ Surface. Journal of Physical Chemistry C, 2015, 119, 21561-21566.	1.5	21
78	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
79	Altering the Properties of Graphene on Cu(111) by Intercalation of Potassium Bromide. ACS Nano, 2019, 13, 5485-5492.	7.3	20
80	Giant thermal expansion of a two-dimensional supramolecular network triggered by alkyl chain motion. Communications Materials, 2020, 1, 8.	2.9	20
81	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
82	Asymmetry in the reciprocal epitaxy of NaCl and KBr. Physical Review B, 2007, 75, .	1.1	18
83	Formation of molecular wires on nanostructured KBr. Journal of Physics: Conference Series, 2007, 61, 1357-1360.	0.3	18
84	Cutting and self-healing molecular wires studied by dynamic force microscopy. Applied Physics Letters, 2009, 95, 103109.	1.5	18
85	Organic Molecules Reconstruct Nanostructures on Ionic Surfaces. Small, 2011, 7, 1264-1270.	5.2	18
86	Modulation of contact resonance frequency accompanying atomic-scale stick-slip in friction force microscopy. Nanotechnology, 2009, 20, 495701.	1.3	17
87	Electrospray deposition of organic molecules on bulk insulator surfaces. Beilstein Journal of Nanotechnology, 2015, 6, 1927-1934.	1.5	17
88	Time-averaged cantilever deflection in dynamic force spectroscopy. Physical Review B, 2009, 80, .	1.1	16
89	Measuring Electric Field Induced Subpicometer Displacement of Step Edge Ions. Physical Review Letters, 2012, 109, 146101.	2.9	16
90	Two-dimensional nanodiamond monolayers deposited by combined ultracentrifugation and electrophoresis techniques. Applied Physics Letters, 2012, 101, .	1.5	16

#	ARTICLE	IF	CITATIONS
91	Advanced atomic force microscopy techniques. Beilstein Journal of Nanotechnology, 2012, 3, 893-894.	1.5	16
92	Hydrogen-induced buckling of gold films. Journal Physics D: Applied Physics, 2014, 47, 025302.	1.3	16
93	Characterization of quantum wells by cross-sectional Kelvin probe force microscopy. Applied Physics Letters, 2004, 85, 5245-5247.	1.5	14
94	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
95	Scanning probe microscopy studies on the adsorption of selected molecular dyes on titania. Beilstein Journal of Nanotechnology, 2016, 7, 1642-1653.	1.5	14
96	Kelvin probe force microscopy for the characterization of semiconductor surfaces in chalcopyrite solar cells. Surface Science, 2001, 482-485, 1362-1367.	0.8	13
97	Molecular Assemblies on Insulating Ultrathin Films Analyzed by NCâ€AFM and KPFM. Israel Journal of Chemistry, 2008, 48, 107-116.	1.0	13
98	Energy Loss Triggered by Atomic-Scale Lateral Force. Physical Review Letters, 2013, 110, 203203.	2.9	13
99	Development of scanning electrochemical microscopy (SECM) techniques for the optimization of dye sensitized solar cells. Electrochimica Acta, 2014, 119, 86-91.	2.6	13
100	Thermally induced anchoring of a zinc-carboxyphenylporphyrin on rutile TiO ₂ (110). Journal of Chemical Physics, 2017, 146, .	1.2	13
101	Kelvin probe force microscopy for material characterization. Microscopy (Oxford, England), 2022, 71, i165-i173.	0.7	13
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	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
104	Ordering of Zn-centered porphyrin and phthalocyanine on TiO ₂ (011): STM studies. Beilstein Journal of Nanotechnology, 2017, 8, 99-107.	1.5	12
105	Atomic Friction: Anisotropy and Asymmetry Effects. Tribology Letters, 2019, 67, 1.	1.2	12
106	Sequential Bending and Twisting around C-C Single Bonds by Mechanical Lifting of a Pre-Adsorbed Polymer. Nano Letters, 2020, 20, 652-657.	4.5	12
107	Morphological and stoichiometric optimization of Cu ₂ O thin films by deposition conditions and post-growth annealing. Thin Solid Films, 2021, 732, 138763.	0.8	12
108	Transformations of PTCDA structures on rutile TiO ₂ induced by thermal annealing and intermolecular forces. Beilstein Journal of Nanotechnology, 2015, 6, 1498-1507.	1.5	11

#	ARTICLE	IF	CITATIONS
109	Dopant imaging of power semiconductor device cross sections. <i>Microelectronic Engineering</i> , 2016, 160, 18-21.	1.1	11
110	Silicon-Vacancy Centers in Ultra-Thin Nanocrystalline Diamond Films. <i>Micromachines</i> , 2018, 9, 281.	1.4	11
111	Energy dissipation in dynamic force microscopy on KBr(001) correlated with atomic-scale adhesion phenomena. <i>Physical Review B</i> , 2012, 86, .	1.1	10
112	Chain-like structure elements in Ni ₄₀ Ta ₆₀ metallic glasses observed by scanning tunneling microscopy. <i>Scientific Reports</i> , 2015, 5, 13143.	1.6	10
113	Anchoring of a dye precursor on NiO(001) studied by non-contact atomic force microscopy. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 242-249.	1.5	10
114	A Two-dimensional Polymer Synthesized at the Air/Water Interface. <i>Angewandte Chemie</i> , 2018, 130, 10744-10748.	1.6	10
115	Contribution of the ZnSe/CuGaSe ₂ heterojunction in photovoltaic performances of chalcopyrite-based solar cells. <i>Thin Solid Films</i> , 2002, 403-404, 344-348.	0.8	9
116	Advanced atomic force microscopy techniques II. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2326-2327.	1.5	9
117	High-Efficient ZnO/PVD-CdS/Cu(In,Ga)Se ₂ Thin Film Solar Cells: Formation of the Buffer-Absorber Interface and Transport Properties. <i>Materials Research Society Symposia Proceedings</i> , 2005, 865, 14251.	0.1	8
118	Rapid reconstruction of a strong nonlinear property by a multiple lock-in technique. <i>Physical Review B</i> , 2012, 85, .	1.1	8
119	Contrast inversion of the h-BN nanomesh investigated by nc-AFM and Kelvin probe force microscopy. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 314212.	0.7	7
120	Hydrogen plasma microlithography of graphene supported on a Si/SiO ₂ substrate. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	7
121	Work function of few layer graphene covered nickel thin films measured with Kelvin probe force microscopy. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	7
122	Morphology Change of C ₆₀ Islands on Organic Crystals Observed by Atomic Force Microscopy. <i>ACS Nano</i> , 2016, 10, 5782-5788.	7.3	7
123	Large area scanning probe microscope in ultra-high vacuum demonstrated for electrostatic force measurements on high-voltage devices. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2485-2497.	1.5	6
124	Improving the Design of the Shield for the Electric Field in SiC-Based Schottky-Rectifiers and Ion-Implantation Cascades by SPM Dopant-Imaging. <i>Microelectronic Engineering</i> , 2015, 148, 1-4.	1.1	6
125	Controlled switching of a single CuPc molecule on Cu(111) at low temperature. <i>Physical Review B</i> , 2019, 100, .	1.1	6
126	Observation of robust superlubricity of MoS ₂ on Au(111) in ultrahigh vacuum. <i>Applied Surface Science</i> , 2022, 601, 154230.	3.1	6

#	ARTICLE	IF	CITATIONS
127	Systematic study of the dolomite (104) surface by bimodal dynamic force microscopy in ultra-high vacuum. <i>Nanotechnology</i> , 2013, 24, 055702.	1.3	5
128	Transoid-to-Cisoid Conformation Changes of Single Molecules on Surfaces Triggered by Metal Coordination. <i>ACS Omega</i> , 2018, 3, 12851-12856.	1.6	5
129	KPFM and DFT as tools to correlate the charge distribution and molecular orientation of dendritic adsorbates on different surfaces. <i>Applied Surface Science</i> , 2021, 565, 150552.	3.1	5
130	Flexible Superlubricity Unveiled in Sidewinding Motion of Individual Polymeric Chains. <i>Physical Review Letters</i> , 2022, 128, .	2.9	5
131	Electronic Surface Properties of Ultrahigh Vacuum Grown Polycrystalline CuGaSe ₂ . <i>Solid State Phenomena</i> , 2003, 93, 319-324.	0.3	4
132	Atomic Scale Friction Phenomena. , 2017, , 519-548.		4
133	Comparing a porphyrin- and a coumarin-based dye adsorbed on NiO(001). <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 874-881.	1.5	4
134	Junction Barrier Schottky (JBS) Rectifier Interface Engineering Facilitated by Two-Dimensional (2D) Dopant Imaging. <i>Materials Science Forum</i> , 0, 858, 497-500.	0.3	3
135	Influence of electrospray deposition on C ₆₀ molecular assemblies. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 552-558.	1.5	3
136	KELVIN PROBE FORCE MICROSCOPY FOR SOLAR CELL APPLICATIONS. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2013, , 115-162.	0.1	2
137	Impact of photocatalysis on carotenoic acid dye-sensitized solar cells. <i>Hybrid Materials</i> , 2015, 2, .	0.7	2
138	Two-Dimensional Carrier Profiling on Lightly Doped n-Type 4H-SiC Epitaxially Grown Layers. <i>Materials Science Forum</i> , 0, 821-823, 269-272.	0.3	2
139	Antibacterial effects of bio-inspired nanostructured materials. <i>Journal of Oral Microbiology</i> , 2017, 9, 1325241.	1.2	2
140	Nanostructuring of an alkali halide surface by low temperature plasma exposure. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16251-16256.	1.3	2
141	Experimental Technique and Working Modes. <i>Springer Series in Surface Sciences</i> , 2018, , 3-22.	0.3	2
142	Low Friction at the Nanoscale of Hydrogenated Fullerene-Like Carbon Films. <i>Coatings</i> , 2020, 10, 643.	1.2	2
143	Combined SIMS-SPM Instrument For High Sensitivity And High Resolution Elemental 3D Analysis. <i>Microscopy and Microanalysis</i> , 2012, 18, 888-889.	0.2	1
144	Mechanical and Electrical Properties of Single Molecules. <i>Advances in Atom and Single Molecule Machines</i> , 2015, , 25-47.	0.0	1

#	ARTICLE	IF	CITATIONS
145	Nanoanalytics for materials science. Beilstein Journal of Nanotechnology, 2016, 7, 1674-1675.	1.5	1
146	Advanced atomic force microscopy techniques III. Beilstein Journal of Nanotechnology, 2016, 7, 1052-1054.	1.5	1
147	Initial Stage of para-Hexaphenyl Thin-Film Growth Controlled by the Step Structure of the Ion-Beam-Modified TiO ₂ (110) Surface. Journal of Physical Chemistry C, 2019, 123, 20257-20269.	1.5	1
148	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
149	2D KBr/Graphene Heterostructures' Influence on Work Function and Friction. Nanomaterials, 2022, 12, 968.	1.9	1
150	Combined SIMS-SPM Instrument for High Sensitivity and High Resolution Elemental 3D Analysis. Microscopy and Microanalysis, 2013, 19, 668-669.	0.2	0
151	Development of power semiconductors by quantitative nanoscale dopant imaging. , 2015, , .		0
152	Atomic Scale Friction Phenomena. Springer Handbooks, 2017, , 987-1011.	0.3	0
153	Atomic-scale investigations of ultralow friction on crystal surfaces in ultrahigh vacuum. , 2021, , 71-84.		0
154	Dye Precursor Molecules on NiO(001) Studied by Non-Contact Atomic Force Microscopy. , 0, , .		0
155	Dye Precursor Molecules on NiO(001) Studied by Non-Contact Atomic Force Microscopy. , 0, , .		0
156	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