

Rainer H Fink

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5696219/publications.pdf>

Version: 2024-02-01

177
papers

5,993
citations

66343

42
h-index

85541

71
g-index

180
all docs

180
docs citations

180
times ranked

7176
citing authors

#	ARTICLE	IF	CITATIONS
1	A generic interface to reduce the efficiency-stability-cost gap of perovskite solar cells. <i>Science</i> , 2017, 358, 1192-1197.	12.6	554
2	Polarized X-ray scattering reveals non-crystalline orientational ordering in organic films. <i>Nature Materials</i> , 2012, 11, 536-543.	27.5	281
3	Chemical bonding of PTCDA on Ag surfaces and the formation of interface states. <i>Surface Science</i> , 2006, 600, 1240-1251.	1.9	257
4	PolLux: A new facility for soft x-ray spectromicroscopy at the Swiss Light Source. <i>Review of Scientific Instruments</i> , 2008, 79, 113704.	1.3	222
5	Substrate-interaction, long-range order, and epitaxy of large organic adsorbates. <i>Applied Physics A: Materials Science and Processing</i> , 1996, 63, 565-576.	2.3	149
6	SMART: a planned ultrahigh-resolution spectromicroscope for BESSY II. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1997, 84, 231-250.	1.7	149
7	Observation of intermixing at the buried CdS/Cu(In,Ga)Se ₂ thin film solar cell heterojunction. <i>Applied Physics Letters</i> , 1999, 74, 1451-1453.	3.3	131
8	Line shapes and satellites in high-resolution x-ray photoelectron spectra of large π -conjugated organic molecules. <i>Journal of Chemical Physics</i> , 2004, 121, 10260-10267.	3.0	117
9	Investigations on chemically capped CdS, ZnS and ZnCdS nanoparticles. <i>Applied Surface Science</i> , 2001, 169-170, 438-446.	6.1	112
10	Reversible Photoswitching of a Spin-Crossover Molecular Complex in the Solid State at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12976-12980.	13.8	112
11	Advanced thin film technology for ultrahigh resolution X-ray microscopy. <i>Ultramicroscopy</i> , 2009, 109, 1360-1364.	1.9	111
12	XPEEM WITH ENERGY-FILTERING: ADVANTAGES AND FIRST RESULTS FROM THE SMART PROJECT. <i>Surface Review and Letters</i> , 2002, 09, 223-232.	1.1	94
13	Detailed investigation of CdS nanoparticle surfaces by high-resolution photoelectron spectroscopy. <i>Chemical Physics Letters</i> , 1999, 306, 95-102.	2.6	91
14	Overcoming efficiency and stability limits in water-processing nanoparticulate organic photovoltaics by minimizing microstructure defects. <i>Nature Communications</i> , 2018, 9, 5335.	12.8	91
15	Magnetic phase transition in a two-dimensional system: p(1 $\sqrt{3}$ ×1)-Ni on Cu(111). <i>Physical Review B</i> , 1990, 41, 2631-2634.	3.2	88
16	SMART: An Aberration-Corrected XPEEM/LEEM with Energy Filter. <i>Surface Review and Letters</i> , 1998, 05, 1249-1256.	1.1	88
17	Na-induced effects on the electronic structure and composition of Cu(In,Ga)Se ₂ thin-film surfaces. <i>Applied Physics Letters</i> , 1996, 68, 3431-3433.	3.3	84
18	Enhancement of photoluminescence in manganese-doped ZnS nanoparticles due to a silica shell. <i>Journal of Chemical Physics</i> , 2003, 118, 8945-8953.	3.0	78

#	ARTICLE	IF	CITATIONS
19	Double aberration correction in a low-energy electron microscope. <i>Ultramicroscopy</i> , 2010, 110, 1358-1361.	1.9	78
20	Isolated indium atoms on copper surfaces: A perturbed $\hat{I}^3\hat{I}^3$ angular correlation study. <i>Surface Science</i> , 1989, 216, 270-302.	1.9	74
21	Orientation and bonding of thiophene and 2,2'-bithiophene on Ag(111): a combined near edge extended X-ray absorption fine structure and $X\hat{I}^{\pm}$ scattered-wave study. <i>Surface Science</i> , 2000, 452, 20-32.	1.9	73
22	Energy calibration and intensity normalization in high-resolution NEXAFS spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2003, 129, 1-8.	1.7	70
23	Influence of substrate morphology on organic layer growth: PTCDA on Ag(111). <i>Chemical Physics</i> , 2006, 325, 178-184.	1.9	70
24	Analysis of the x-ray absorption spectra of linear saturated hydrocarbons using the $X\hat{I}^{\pm}$ scattered-wave method. <i>Journal of Chemical Physics</i> , 1998, 108, 3313-3320.	3.0	68
25	Towards a detailed understanding of the NEXAFS spectra of bulk polyethylene copolymers and related alkanes. <i>Chemical Physics Letters</i> , 2003, 370, 834-841.	2.6	67
26	Assignment of near-edge x-ray absorption fine structure spectra of metalloporphyrins by means of time-dependent density-functional calculations. <i>Journal of Chemical Physics</i> , 2010, 133, 054703.	3.0	59
27	High-Resolution Photoemission Study of Different NTCDA Monolayers on Ag(111): \hat{A} Bonding and Screening Influences on the Line Shapes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14741-14748.	2.6	57
28	Oxidation-driven self-assembly gives access to high-nuclearity molecular copper vanadium oxide clusters. <i>Chemical Science</i> , 2013, 4, 418-424.	7.4	57
29	Suppression of Hysteresis Effects in Organohalide Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700007.	3.7	57
30	Coverage-dependent superstructures in chemisorbed NTCDA monolayers: a combined LEED and STM study. <i>Surface Science</i> , 1998, 414, 423-434.	1.9	55
31	Disordering of an Organic Overlayer on a Metal Surface Upon Cooling. <i>Science</i> , 2010, 329, 303-305.	12.6	55
32	Electronic relaxation effects in condensed polyacenes: A high-resolution photoemission study. <i>Journal of Chemical Physics</i> , 2008, 129, 074702.	3.0	54
33	New insight into the optical properties of thin organic films by epitaxial preparation. <i>Chemical Physics Letters</i> , 1997, 266, 177-183.	2.6	52
34	Microscopic Observation of Step and Terrace Diffusion of Indium Atoms on Cu(111) Surfaces. <i>Europhysics Letters</i> , 1988, 7, 151-157.	2.0	48
35	Adsorption-Induced Bending of a Triatomic Molecule: Near-Edge X-Ray Absorption Fine-Structure Spectroscopy Investigation of N_2O Adsorbed on Different Ni(111) Surfaces. <i>Physical Review Letters</i> , 1996, 76, 4749-4752.	7.8	48
36	Overcoming Microstructural Limitations in Water Processed Organic Solar Cells by Engineering Customized Nanoparticulate Inks. <i>Advanced Energy Materials</i> , 2018, 8, 1702857.	19.5	48

#	ARTICLE	IF	CITATIONS
37	"Manipulation" of molecular orientation in ultrathin organic films: NTCDA on Ag(111). <i>Europhysics Letters</i> , 1998, 41, 231-236.	2.0	47
38	In situ characterization of gas-filled microballoons using soft X-ray microspectroscopy. <i>Soft Matter</i> , 2008, 4, 510.	2.7	47
39	A comparison of fine structures in high-resolution x-ray-absorption spectra of various condensed organic molecules. <i>Journal of Chemical Physics</i> , 2005, 123, 044509.	3.0	46
40	Robot-Based High-Throughput Engineering of Alcoholic Polymer: Fullerene Nanoparticle Inks for an Eco-Friendly Processing of Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23225-23234.	8.0	45
41	Electron-Vibron Coupling in High-Resolution X-Ray Absorption Spectra of Organic Materials: NTCDA on Ag(111). <i>Physical Review Letters</i> , 2004, 93, 146406.	7.8	44
42	Influence of Na and H ₂ O on the surface properties of Cu(In,Ga)Se ₂ thin films. <i>Journal of Applied Physics</i> , 1997, 82, 2411-2420.	2.5	43
43	Lateral inhomogeneities of Cu(In,Ga)Se ₂ absorber films. <i>Thin Solid Films</i> , 2000, 361-362, 258-262.	1.8	41
44	Argon plasma-induced modifications at the surface of polycarbonate thin films. <i>Applied Surface Science</i> , 1998, 125, 273-286.	6.1	40
45	From 2D STXM to 3D Imaging: Soft X-ray Laminography of Thin Specimens. <i>Nano Letters</i> , 2020, 20, 1305-1314.	9.1	40
46	Overcoming Interfacial Losses in Solution-Processed Organic Multi-Junction Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601959.	19.5	39
47	Growth and melting behaviour of thin in films on Ge(100). <i>Applied Physics A: Solids and Surfaces</i> , 1991, 53, 324-329.	1.4	37
48	The PolLux Microspectroscopy Beam line at the Swiss Light Source. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	36
49	Localization of Na impurities at the buried CdS/Cu(In,ŠGa)Se ₂ heterojunction. <i>Applied Physics Letters</i> , 1999, 75, 2082-2084.	3.3	34
50	Substrate-dependent lateral order in naphthalene-tetracarboxylic-dianhydride monolayers. <i>Physical Review B</i> , 1999, 60, 2818-2826.	3.2	33
51	Thermal Behaviour of CdS Nanoparticles Investigated by High Resolution Photoelectron Spectroscopy. <i>Physica Status Solidi A</i> , 1999, 173, 253-259.	1.7	32
52	Structural and optical investigations of SiO ₂ –CdS core–shell particles. <i>Journal of Colloid and Interface Science</i> , 2004, 278, 107-114.	9.4	32
53	The commensurate-to-incommensurate phase transition of an organic monolayer: A high resolution LEED analysis of the superstructures of NTCDA on Ag(111). <i>Surface Science</i> , 2008, 602, 2427-2434.	1.9	31
54	Soft x-ray microscopy with 7 nm resolution. <i>Optica</i> , 2020, 7, 1602.	9.3	31

#	ARTICLE	IF	CITATIONS
55	Binding and mobility of isolated indium atoms on Si(111)7Å—7. Physical Review Letters, 1992, 68, 377-380.	7.8	30
56	Nanostructure characterization by a combined x-ray absorption/scanning force microscopy system. Nanotechnology, 2012, 23, 475708.	2.6	30
57	STXM goes 3D: Digital reconstruction of focal stacks as novel approach towards confocal soft x-ray microscopy. Ultramicroscopy, 2014, 144, 19-25.	1.9	30
58	Preparation and termination of well-defined CdTe(100) and Cd(Zn)Te(100) surfaces. Applied Physics Letters, 1997, 70, 1022-1024.	3.3	29
59	Characterization of high-quality NTCDA films on metal substrates. Journal of Electron Spectroscopy and Related Phenomena, 1998, 96, 11-17.	1.7	29
60	Resonant inelastic soft x-ray scattering of Be chalcogenides. Physical Review B, 2006, 73, .	3.2	29
61	7 nm Spatial Resolution in Soft X-ray Microscopy. Microscopy and Microanalysis, 2018, 24, 272-273.	0.4	29
62	Step-correlated diffusion of in atoms on Ag(100) and Ag(111) surfaces. Surface Science, 1990, 225, 331-340.	1.9	28
63	Monolayer-resolved detection of magnetic hyperfine fields at Cu/Ni(111) interfaces. Physical Review Letters, 1991, 66, 3199-3202.	7.8	28
64	Influence of sample preparation and processing on observed glass transition temperatures of polymer nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2270-2276.	2.1	28
65	Magnetic hyperfine field at Ni(111) probes in the topmost atomic layer of Ni(111) surfaces. Physical Review Letters, 1990, 64, 2202-2205.	7.8	27
66	Crystallization of Sensitizers Controls Morphology and Performance in Si-/C-PCPDTBT-Sensitized P3HT:ICBA Ternary Blends. Macromolecules, 2017, 50, 2415-2423.	4.8	27
67	In situ STXM investigations of pentacene-based OFETs during operation. Journal of Materials Chemistry, 2010, 20, 4884.	6.7	26
68	Microscopic observation of atomic disorder near the roughening transition at vicinal copper surfaces. Physical Review Letters, 1993, 70, 2455-2458.	7.8	24
69	Surface sensitivity in scanning transmission x-ray microspectroscopy using secondary electron detection. Review of Scientific Instruments, 2010, 81, 033704.	1.3	23
70	Electron-beam induced deposition and autocatalytic decomposition of Co(CO) ₃ NO. Beilstein Journal of Nanotechnology, 2014, 5, 1175-1185.	2.8	23
71	Dispersion and characterization of arc discharge single-walled carbon nanotubes “towards conducting transparent films. Nanoscale, 2014, 6, 3695.	5.6	22
72	Controlling additive behavior to reveal an alternative morphology formation mechanism in polymer/fullerene bulk-heterojunctions. Journal of Materials Chemistry A, 2016, 4, 16136-16147.	10.3	22

#	ARTICLE	IF	CITATIONS
73	Near Edge X-ray Absorption Fine Structure Resonances of Quinoide Molecules. <i>Langmuir</i> , 2000, 16, 6674-6681.	3.5	21
74	Direct observation of epitaxial organic film growth: temperature-dependent growth mechanisms and metastability. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29150-29160.	2.8	21
75	Exploiting atomic layer deposition for fabricating sub-10 nm X-ray lenses. <i>Microelectronic Engineering</i> , 2018, 191, 91-96.	2.4	21
76	Characterisation of thin films of the organic infra-red emitters Yb- and Er-tris(8-hydroxyquinoline) by X-ray photoemission spectroscopy. <i>Synthetic Metals</i> , 2003, 139, 207-213.	3.9	20
77	Microsphere Assisted Super-resolution Optical Imaging of Plasmonic Interaction between Gold Nanoparticles. <i>Scientific Reports</i> , 2017, 7, 13789.	3.3	20
78	Surface and interface studies with perturbed angular correlations. <i>Hyperfine Interactions</i> , 1993, 78, 261-280.	0.5	19
79	Structural Investigation on Thermoresponsive PVA/Poly(methacrylate-co-N-isopropylacrylamide) Microgels across the Volume Phase Transition. <i>Macromolecules</i> , 2011, 44, 4470-4478.	4.8	19
80	The electric field gradient for single indium atoms on low-index silver surfaces. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 7407-7418.	1.8	18
81	Quantitative Analysis of Scanning Transmission X-ray Microscopy Images of Gas-Filled PVA-Based Microballoons. <i>Langmuir</i> , 2008, 24, 13677-13682.	3.5	18
82	Water-dispersible PVA-based dry microballoons with potential for biomedical applications. <i>Materials Science and Engineering C</i> , 2010, 30, 412-416.	7.3	18
83	Hyperfine-interaction studies of surfaces. <i>Hyperfine Interactions</i> , 1990, 60, 975-989.	0.5	17
84	Isotope effects in high-resolution NEXAFS spectra of naphthalene. <i>Chemical Physics Letters</i> , 2005, 415, 188-192.	2.6	17
85	Aluminium metallisation of argon and oxygen plasma-modified polycarbonate thin film surfaces. <i>Applied Surface Science</i> , 1998, 136, 280-297.	6.1	15
86	Soft X-ray spectromicroscopy of phase-change microcapsules. <i>Micron</i> , 2008, 39, 275-279.	2.2	15
87	Compound formation in Ni/In thin film systems. <i>Hyperfine Interactions</i> , 1990, 60, 1003-1006.	0.5	14
88	Indium adsorption sites at Pd(100) surfaces studied by PAC spectroscopy. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 3837-3842.	1.8	14
89	High-resolution luminescence of epitaxial organic films: quaterthiophene on Ag(111). <i>Synthetic Metals</i> , 1996, 83, 227-230.	3.9	14
90	Termination, surface structure and morphology of the molecular beam epitaxially grown HgTe(001) surface. <i>Applied Physics Letters</i> , 1998, 73, 3205-3207.	3.3	14

#	ARTICLE	IF	CITATIONS
91	An energy-dispersive VUV beamline for NEXAFS and other CFS/CIS studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 470-475.	1.6	14
92	Molecular adsorption and growth of naphthalene films on Ag(100). Surface Science, 2007, 601, 2089-2094.	1.9	14
93	Soft X-ray induced modifications of PVA-based microbubbles in aqueous environment: a microspectroscopy study. Physical Chemistry Chemical Physics, 2009, 11, 1098.	2.8	14
94	Indium adsorption on silicon surfaces: a PAC study. Surface Science, 1993, 285, 81-92.	1.9	13
95	Formation of an ultrathin amorphous layer at In/Pd interfaces observed by local and nonlocal techniques. Physical Review B, 1993, 47, 10048-10051.	3.2	13
96	Anharmonicity of the core-excited state potential of an organic molecule from NEXAFS vibronic fine structure. Chemical Physics Letters, 2004, 392, 297-302.	2.6	13
97	Occupied and unoccupied states of the organic infrared emitters Yb- and Er-tris(8-hydroxyquinoline) studied by photoemission and X-ray absorption. Synthetic Metals, 2004, 142, 293-298.	3.9	13
98	Employing microspectroscopy to track charge trapping in operating pentacene OFETs. Organic Electronics, 2014, 15, 435-440.	2.6	13
99	Improved charge carrier dynamics in polymer/perovskite nanocrystal based hybrid ternary solar cells. Physical Chemistry Chemical Physics, 2018, 20, 23674-23683.	2.8	13
100	Magnetic hyperfine fields in ultrathin Ni films on Cu(100). Applied Physics A: Solids and Surfaces, 1990, 51, 317-321.	1.4	12
101	Microscopic Observation of a Superstructure Phase Transition: In/Si(100). Europhysics Letters, 1992, 19, 611-615.	2.0	12
102	NEXAFS investigations of highly-ordered ultrathin films of DME-DCNQI on Ag(111). Thin Solid Films, 1996, 284-285, 234-237.	1.8	12
103	Surface core-level shifts of the polar semiconductor Cd(Zn)Te(100). Physical Review B, 1997, 56, 2070-2078.	3.2	12
104	Semi-quantitative and non-destructive analysis of impurities at a buried interface: Na and the CdS/Cu(In,Ga)Se ₂ heterojunction. Surface and Interface Analysis, 2000, 30, 459-463.	1.8	12
105	Energy level alignment at zinc blende Cd(Mn)Se/ZnTe/InAs(100) interfaces. Applied Physics Letters, 2002, 81, 3813-3815.	3.3	12
106	X-ray computed tomography study of the flight-adapted tracheal system in the blowfly Calliphora vicina analysing the ventilation mechanism and flow-directing valves. Journal of Experimental Biology, 2018, 221, .	1.7	12
107	Configuration interaction simulation of the NEXAFS photoabsorption spectrum of naphthalene. Journal of the Brazilian Chemical Society, 2005, 16, .	0.6	12
108	Interface compound formation and dependence on In δ -layer thickness in Ni/In thin δ -film systems. Applied Physics Letters, 1991, 58, 2904-2906.	3.3	11

#	ARTICLE	IF	CITATIONS
109	Electronic structure of HgSe(001) investigated by direct and inverse photoemission. Physical Review B, 2000, 61, 12666-12669.	3.2	11
110	4f energies in an organic-rare earth guest-host system: the rare earth tris-8-hydroxyquinolines. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 105, 41-43.	3.5	11
111	Surface investigations with PAC. Hyperfine Interactions, 1989, 49, 395-406.	0.5	10
112	Magnetic hyperfine fields at uncovered ultrathin Ni films on Cu(100) substrates and at single-crystal Ni surfaces. Journal of Magnetism and Magnetic Materials, 1991, 93, 341-344.	2.3	10
113	Self-limitation of Na content at the CdS/Cu(In,Ga)Se 2 solar cell heterojunction. Thin Solid Films, 2000, 361-362, 360-363.	1.8	10
114	Microspectroscopic Analysis of the X-Ray-induced Photoreduction in Fe- and Mn-containing SMMs. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 390-398.	0.7	10
115	Soft X-ray induced damage in PVA-based membranes in water environment monitored by X-ray absorption spectroscopy. Radiation Physics and Chemistry, 2014, 103, 84-88.	2.8	10
116	On the magnetic properties of iron nanostructures fabricated via focused electron beam induced deposition and autocatalytic growth processes. Nanotechnology, 2016, 27, 355302.	2.6	10
117	Enhanced mechanical properties of PLA/PLAE blends via well-dispersed and compatilized nanostructures in the matrix. RSC Advances, 2016, 6, 25531-25540.	3.6	10
118	PISAM: a photon-induced scanning Auger microscope. Journal of Electron Spectroscopy and Related Phenomena, 1997, 84, 9-28.	1.7	9
119	Morphology changes of ionic liquid encapsulating polymer microcontainers upon X-ray irradiation. RSC Advances, 2014, 4, 3272-3277.	3.6	9
120	Investigations of Ag(100) \bar{i} - \bar{i} ,In and Ag(111) \bar{i} - \bar{i} ,In interfaces with local probes. Thin Solid Films, 1990, 190, 153-162.	1.8	8
121	Influence of As passivation on the electronic level alignment at BeTe/Si(111) interfaces. Physical Review B, 2003, 67, .	3.2	8
122	New set-up for high-quality soft-X-ray absorption spectroscopy of large organic molecules in the gas phase. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 452-456.	1.7	8
123	Confocal soft X-ray scanning transmission microscopy: setup, alignment procedure and limitations. Journal of Synchrotron Radiation, 2015, 22, 113-118.	2.4	8
124	Additive fabrication of nanostructures with focused soft X-rays. RSC Advances, 2016, 6, 98344-98349.	3.6	8
125	Investigation of the foil structure and corrosion mechanisms of modern Zwischgold using advanced analysis techniques. Journal of Cultural Heritage, 2018, 31, 122-132.	3.3	8
126	Photoemission study of the Na/ZnSe(100) interface. Physical Review B, 1999, 60, 8915-8923.	3.2	7

#	ARTICLE	IF	CITATIONS
127	Systematics of the 4f energies in a series of rare-earth organic complexes determined by resonant photoemission. <i>Physical Review B</i> , 2004, 70, .	3.2	7
128	Temperature-dependent X-ray microspectroscopy of phase-change core-shell microcapsules. <i>Scripta Materialia</i> , 2008, 59, 348-351.	5.2	7
129	Advanced X-ray diffractive optics. <i>Journal of Physics: Conference Series</i> , 2009, 186, 012078.	0.4	7
130	In Situ Synchrotron Radiation X-ray Microspectroscopy of Polymer Microcontainers. <i>ChemPhysChem</i> , 2011, 12, 3503-3509.	2.1	7
131	Electron-vibron coupling in halogenated acenaphthenequinone upon O <i>K</i> -edge soft x-ray absorption. <i>Journal of Chemical Physics</i> , 2011, 135, 144301.	3.0	7
132	Quantitative study of contrast enhancement in soft X-ray micrographs of insect eyes by tissue selective mass loss. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 1153-1159.	2.4	7
133	Exploring the fabrication of Co and Mn nanostructures with focused soft x-ray beam induced deposition. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 031601.	1.2	7
134	X-ray microscopy reveals the outstanding craftsmanship of Siberian Iron Age textile dyers. <i>Scientific Reports</i> , 2021, 11, 5141.	3.3	7
135	Photoemission investigation of MBE-grown HgSe/CdSe heterostructures. <i>Applied Surface Science</i> , 2000, 166, 12-16.	6.1	6
136	Influence of step-induced anti-phase boundaries on the surface morphology of zincblende-type semiconductors. <i>Europhysics Letters</i> , 2002, 59, 552-558.	2.0	6
137	The role of solvation effects in the growth of TCNQ-based charge-transfer salts. <i>Journal of Crystal Growth</i> , 2013, 380, 34-38.	1.5	6
138	Exploring the Preparation Dependence of Crystalline 2D-Extended Ultrathin C8-BTBT-C8 Films. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16830-16838.	8.0	6
139	Seeing structural evolution of organic molecular nano-crystallites using 4D scanning confocal electron diffraction (4D-SCED). <i>Nature Communications</i> , 2022, 13, .	12.8	6
140	Cobalt/copper multilayers studied by perturbed $\hat{I}^3\hat{I}^3$ angular correlation spectroscopy. <i>Surface Science</i> , 1996, 355, 47-62.	1.9	5
141	A microspectroscopic insight into the resistivity switching of individual Ag-TCNQ nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18278-18281.	2.8	5
142	μ -XRF Studies on the Colour Brilliance in Ancient Wool Carpets. <i>Scanning</i> , 2017, 2017, 1-7.	1.5	5
143	Segregation and interdiffusion effects during the formation of the Mn/Cd(Zn)Te(100) interface. <i>Physical Review B</i> , 1997, 56, 2085-2093.	3.2	4
144	Simulation of resonantly and off-resonantly excited x-ray emission spectra: An application for the χ^2 -scattered-wave method. <i>Physical Review A</i> , 1998, 57, 4275-4278.	2.5	4

#	ARTICLE	IF	CITATIONS
145	Structure, morphology and interface properties of ultrathin SnTTBPP(OH) ₂ -films adsorbed on Ag(100). Physical Chemistry Chemical Physics, 2011, 13, 9839.	2.8	4
146	Microspectroscopic soft X-ray analysis of keratin based biofibers. Micron, 2015, 70, 34-40.	2.2	4
147	Matrix effects in the C 1s photoabsorption spectra of condensed naphthalene. Journal of Chemical Physics, 2016, 145, 234307.	3.0	4
148	Medieval nanotechnology: Thickness determination of Zwischgold samples. Journal of Cultural Heritage, 2021, 49, 211-221.	3.3	4
149	Zone-Plate Based Nanospectroscopy with Soft X-Rays at the SLS. Acta Physica Polonica A, 2009, 115, 462-466.	0.5	4
150	Compound formation at Pd(100)/In interfaces. Hyperfine Interactions, 1993, 78, 309-314.	0.5	3
151	Nuclear probes for surface characterization. Physica Scripta, 1993, T49B, 554-559.	2.5	3
152	Formation of the Zn/CdTe(100) interface: Interdiffusion, segregation, and Cd-Zn exchange studied by photoemission. Physical Review B, 1997, 56, 13335-13345.	3.2	3
153	Quantitative X-ray microscopic analysis of individual thermoresponsive microgel particles in aqueous solution. RSC Advances, 2016, 6, 98228-98233.	3.6	3
154	Influence of Substrate Bonding and Surface Morphology on Dynamic Organic Layer Growth: Perylenetetracarboxylic Dianhydride on Au(111). Langmuir, 2018, 34, 5444-5453.	3.5	3
155	Hot electron injection into semiconducting polymers in polymer based-perovskite solar cells and their fate. Nanoscale, 2019, 11, 23357-23365.	5.6	3
156	Novel Characterization Techniques of Microballoons. , 2010, , 109-127.		3
157	Structural characterization of 1,4-DH6T monolayer films grown at the liquid-liquid interface. Soft Matter, 2021, 17, 9765-9771.	2.7	3
158	Non-reactive metal/semiconductor interfaces: a combined AES, AFM and PAC study. Hyperfine Interactions, 1993, 78, 295-301.	0.5	2
159	PAC investigations of Au(110) 1/2-surfaces. Hyperfine Interactions, 1993, 78, 303-308.	0.5	2
160	NanoXAS – The in situ Combination of Scanning Transmission X-ray and Scanning Probe Microscopy. , 2011, , .		2
161	Switching behaviour of individual Ag-TCNQ nanowires: an in situ transmission electron microscopy study. Nanotechnology, 2016, 27, 425703.	2.6	2
162	Focused Soft X-Ray Beam Induced Deposition: Recent Advances to a Novel Approach for Fabrication of Metallic Nanostructures. Microscopy and Microanalysis, 2018, 24, 116-117.	0.4	2

#	ARTICLE	IF	CITATIONS
163	STXMdeconv - a MATLAB Script for the Deconvolution of STXM Images. <i>Microscopy and Microanalysis</i> , 2018, 24, 122-123.	0.4	2
164	Complex Monolayer Growth Dynamics of a Highly Symmetric Molecule: NTCDA on Ag(111). <i>Journal of Physical Chemistry C</i> , 2019, 123, 8244-8255.	3.1	2
165	Diffusion of isolated In atoms on Ag and Cu surfaces. <i>Vacuum</i> , 1990, 41, 1643-1645.	3.5	1
166	Monolayer-resolved magnetic and electric hyperfine fields at Ni(111) surfaces. <i>Vacuum</i> , 1990, 41, 521-524.	3.5	1
167	MÄssPAC: A UHV-system for surface and thin film investigations using nuclear probes. <i>Vacuum</i> , 1995, 46, 1049-1052.	3.5	1
168	A single probe for imaging photons, electrons and physical forces. <i>Nanotechnology</i> , 2016, 27, 235705.	2.6	1
169	<i>In-situ</i> spectroscopic analysis of the traditional dyeing pigment Turkey red inside textile matrix. <i>Journal of Instrumentation</i> , 2018, 13, C03007-C03007.	1.2	1
170	Nanolithographic Top-Down Patterning of Polyoxovanadate-Based Nanostructures with Switchable Electrical Resistivity. <i>ChemNanoMat</i> , 2020, 6, 1620-1624.	2.8	1
171	Tailored Solution-Based N-heterotriangulene Thin Films: Unravelling the Self-Assembly. <i>ChemPhysChem</i> , 2021, 22, 1079-1087.	2.1	1
172	Interface compound formation in Ni/In thin film couples. <i>Vacuum</i> , 1990, 41, 1325-1326.	3.5	0
173	First differential phase contrast results from PolLux. <i>Journal of Physics: Conference Series</i> , 2009, 186, 012012.	0.4	0
174	Nanomorphology in thin films of acetamide end-functionalised quaterthiophene. <i>Thin Solid Films</i> , 2015, 583, 108-114.	1.8	0
175	In-operando studies of Ag-TCNQ nanocrystals using Raman and soft x-ray microspectroscopy. <i>Journal of Physics: Conference Series</i> , 2017, 849, 012016.	0.4	0
176	Low Dose and Time Efficient Molar Fraction STXM Analysis for Binary Material Systems. <i>Microscopy and Microanalysis</i> , 2018, 24, 472-473.	0.4	0
177	In-operando soft X-ray microspectroscopy of organic electronics devices. <i>Microscopy and Microanalysis</i> , 2018, 24, 424-425.	0.4	0