

Ryszard Czajka

List of Publications by Year in descending order

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99
papers

649
citations

623734

14
h-index

677142

22
g-index

99
all docs

99
docs citations

99
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronics of Ba adsorbed on Ge(001). Applied Surface Science, 2019, 481, 1474-1482.	6.1	1
2	Stable bismuth sub-monolayer termination of Bi ₂ Se ₃ . Applied Surface Science, 2019, 476, 701-705.	6.1	4
3	Exchange Coupling Effects in Naturally Oxidised Ultrathin Iron Film. Acta Physica Polonica A 133, 601 (2018), ERRATUM. Acta Physica Polonica A, 2019, 136, 571-571.	0.5	0
4	Higher order reconstructions of the Ge(001) surface induced by a Ba layer. Applied Surface Science, 2018, 435, 438-443.	6.1	2
5	Exchange Coupling Effects in Naturally Oxidised Ultrathin Iron Film. Acta Physica Polonica A, 2018, 133, 601-604.	0.5	1
6	Graphene-based magnetoresistance device utilizing strip pattern geometry. Applied Physics Letters, 2017, 110, .	3.3	9
7	CMOS- compatible fabrication method of graphene-based micro devices. Materials Science in Semiconductor Processing, 2017, 67, 92-97.	4.0	16
8	Reversible, long-term passivation of Ge(001) by a Ba-induced incorporated phase. Applied Surface Science, 2017, 419, 305-310.	6.1	2
9	Effects of the deposition rate on growth modes of Ag islands on the hydrogen-terminated Si(111)-(1×1)-H surface: The role of surface energy and quantum size effect. Journal of Applied Physics, 2017, 122, 095303.	2.5	3
10	Natural Oxidation of thin Fe Films on V Buffer Layer. Acta Physica Polonica A, 2017, 132, 1272-1276.	0.5	3
11	Functionalization of the Si(1 1 1) 7 Å— 7 substrate with coronene molecules using simple molecular source. Materials Science-Poland, 2017, 36, 86-92.	1.0	0
12	Correlation between interlayer exchange coupling and hydrogen absorption in V-Fe layered structures. Surface and Coatings Technology, 2016, 303, 119-124.	4.8	8
13	STM and DFT study on formation and characterization of Ba-incorporated phases on a Ge(001) surface. Physical Review B, 2016, 93, .	3.2	7
14	Graphene oxide-multiwalled carbon nanotubes composite as an anode for lithium ion batteries. Materials Science-Poland, 2016, 34, 481-486.	1.0	3
15	XPS valence band studies of nanocrystalline Zr Pd alloy thin films. Surface and Coatings Technology, 2016, 303, 125-130.	4.8	14
16	Growth and evolution of nickel germanide nanostructures on Ge(001). Nanotechnology, 2015, 26, 385701.	2.6	15
17	Initial growth of Ba on Ge(001) studied with STM. An STM and DFT study. Physical Review B, 2015, 91, .		
18	Ba termination of Ge(001) studied with STM. Nanotechnology, 2015, 26, 155701.	2.6	7

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19	Self-organisation of inorganic elements on Si(001) mediated by pre-adsorbed organic molecules. Physical Chemistry Chemical Physics, 2015, 17, 23783-23794.	2.8	5
20	Chemical etching of stainless steel 301 for improving performance of electrochemical capacitors in aqueous electrolyte. Journal of Power Sources, 2015, 279, 555-562.	7.8	14
21	Mechanism of a molecular photo-switch adsorbed on Si(100). Physical Chemistry Chemical Physics, 2015, 17, 5366-5371.	2.8	15
22	A molecular switch based on the manipulation of 1,3-dichlorobenzene on Ge(001) between two adsorption sites by inelastic tunneling electrons. Physical Chemistry Chemical Physics, 2015, 17, 28830-28836.	2.8	4
23	Method of carbon-based electrode analysis by conductive atomic force microscopy. Micro and Nano Letters, 2014, 9, 69-72.	1.3	1
24	Interface and nanostructure evolution of cobalt germanides on Ge(001). Journal of Applied Physics, 2014, 115, .	2.5	17
25	Functionalization of Si(100) surface with benzonitrile molecules in an ultra-high-vacuum molecular evaporator. Materials Science in Semiconductor Processing, 2014, 17, 168-172.	4.0	2
26	Light driven reactions of single physisorbed azobenzenes. Chemical Communications, 2011, 47, 7764.	4.1	35
27	SPM Characterization of Titanium Disilicide Nanostructures Grown on a Ni-Modified Si(100) Substrate. Acta Physica Polonica A, 2011, 120, 480-484.	0.5	3
28	STM/STS characterization of platinum silicide nanostructures grown on a Pt(111) surface. Applied Surface Science, 2010, 256, 4215-4219.	6.1	1
29	Study of the Electron Tunnelling in Single-Barrier Nanostructures Using the Conductive Atomic Force Microscopy. Journal of Advanced Microscopy Research, 2010, 5, 11-15.	0.3	0
30	Preparation and Characterization of Ultraclean H:Si(111)-(1*1) Surfaces Studied by HREELS, AFM and STM-STs. E-Journal of Surface Science and Nanotechnology, 2009, 7, 557-562.	0.4	0
31	STM investigation of cobalt silicide nanostructures growth on Si(111)-(1*1) substrate. Open Physics, 2009, 7, .	1.7	3
32	STM/STS investigation of carbon nanotubes deposited on Bi2Te3 surface. Open Physics, 2009, 7, .	1.7	2
33	Investigations of titanium nanostructures on Si(111) 7*7 by means of scanning tunnelling microscopy and spectroscopy. Journal of Physics: Conference Series, 2009, 146, 012003.	0.4	0
34	MFM Investigations of [NiFe/Au/Co/Au]NMultilayers. Acta Physica Polonica A, 2009, 115, 220-222.	0.5	0
35	STM study of titanium silicide nanostructure growth on Si(111)-(1*1) substrate. Applied Surface Science, 2008, 254, 6948-6951.	6.1	10
36	The solid state reaction of Fe with the Si(111) vicinal surface: splitting of bunched steps. Nanotechnology, 2008, 19, 205706.	2.6	17

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37	Preparation of an Ultraclean and Atomically Controlled Hydrogen-Terminated Si(111)-(1 \times 1) Surface Revealed by High Resolution Electron Energy Loss Spectroscopy, Atomic Force Microscopy, and Scanning Tunneling Microscopy: Aqueous NH ₄ F Etching Process of Si(111). Japanese Journal of Applied Physics, 2007, 46, 5701.	1.5	27
38	STS INVESTIGATIONS OF METALLIC NANOSTRUCTURES DEPOSITED ON Bi ₂ Te ₃ . Surface Review and Letters, 2007, 14, 357-360.	1.1	0
39	STM/STS investigations of titanium oxide nanostructures on au substrate. Materials Letters, 2007, 61, 4818-4820.	2.6	1
40	Nanostructure characterization of (SmS) _{1.19} TaS ₂ by means of STM/STS. Journal of Crystal Growth, 2006, 297, 7-9.	1.5	1
41	Early stages of low temperature epitaxial growth of InSb on GaAs. Crystal Research and Technology, 2005, 40, 523-526.	1.3	2
42	Growth of InSb thin films on GaAs(100) substrates by flash evaporation epitaxy. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 351-354.	0.8	9
43	Atomic image of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} cleaved surface. Physica C: Superconductivity and Its Applications, 2003, 387, 221-224.	1.2	1
44	Correlation between structural and magnetic properties in wedged Ti/Co multilayers. Physica Status Solidi A, 2003, 196, 173-176.	1.7	1
45	Thermal reaction of iron with a Si(111) vicinal surface: Surface ordering and growth of CsCl-type iron silicide. Physical Review B, 2003, 67, .	3.2	64
46	VT STM Investigations of Ag Film Growth on Bi ₂ Te ₃ . AIP Conference Proceedings, 2003, , .	0.4	0
47	Variable Temperature STM/STS Investigations of Ag Nanoparticles Growth on Semiconductor Surfaces. Acta Physica Polonica A, 2003, 104, 289-302.	0.5	8
48	STM/STS Studies of Self-Organized Growth of Iron Silicide Nanocrystals on Vicinal Si(111) Surface. Acta Physica Polonica A, 2003, 104, 303-319.	0.5	2
49	STM/STS Investigations of Surface Evolution of Si(111)-(7 \times 7) Induced with Nickel. Acta Physica Polonica A, 2003, 104, 345-350.	0.5	3
50	STM and STS Investigations of Bi ₂ Te ₃ Surface. Acta Physica Polonica A, 2003, 104, 389-395.	0.5	7
51	Polymer studies using atomic force microscopy (AFM). Part II. Investigation of chemical reactions and physical processes in polymers. Polimery, 2003, 48, 91-99.	0.7	3
52	Scanning Probe Microscopy Characterization of Cluster Systems. , 2003, , 253-265.		0
53	STM and STS investigations of transition metals TM clusters (Cr, CoCr, Ni) produced by the plasma gas condensation source. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 202, 195-206.	4.7	4
54	Size- and shape-controls and electronic functions of nanometer-scale semiconductors and oxides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 202, 291-296.	4.7	20

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55	Scanning tunneling microscopy/spectroscopy of ferromagnetic Ni clusters on graphite and BSCCO high-Tc superconductor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 202, 187-193.	4.7	0
56	Polymer studies using atomic force microscopy (AFM). Part I. Principles of AFM and its application in polymer morphology investigations. Polimery, 2002, 47, 775-783.	0.7	2
57	Scanning probe microscopy/spectroscopy and its applications for nanotechnology. , 2001, , .		0
58	Growth Properties of Ti/Co Multilayers. Crystal Research and Technology, 2001, 36, 1019-1026.	1.3	6
59	Atomic force microscopy and friction force microscopy studies of ferroelastic crystal surfaces. Wear, 2000, 238, 34-39.	3.1	7
60	Characterization and nanometer-scale modifications of Bi[sub 2]Te[sub 3] surface via atomic force microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 1194.	1.6	5
61	Pretransition phenomena on the surface of ferroelastic crystal. Journal of Physics Condensed Matter, 2000, 12, L685-L690.	1.8	0
62	Atomic force microscopy investigation of nanometer-scale modifications of polymer morphology caused by ultraviolet irradiation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 2477.	2.1	8
63	Atomic Force Microscopy Investigation of Polystyrene and Polystyrene/PMMA Composites Surfaces. Molecular Crystals and Liquid Crystals, 2000, 354, 167-172.	0.3	0
64	Atomic force microscopy studies of Gd ₂ (MoO ₄) ₃ crystal surface. Vacuum, 1999, 54, 53-56.	3.5	2
65	Superconductivity in PrBa ₂ Cu ₃ O _{7-δ} single crystals after high-temperature thermal treatment. Physica C: Superconductivity and Its Applications, 1999, 322, 57-64.	1.2	26
66	Observation of C ₆₀ film formation on a highly oriented pyrolytic graphite substrate via scanning tunnelling microscopy. Applied Surface Science, 1999, 144-145, 648-652.	6.1	23
67	Surface analysis of PrBa ₂ Cu ₃ O _{7-δ} single crystals using scanning tunneling spectroscopy and microscopy. Vacuum, 1999, 54, 215-219.	3.5	0
68	Modelling the adsorption and imaging of C ₆₀ molecules on a graphite substrate. European Physical Journal D, 1999, 49, 1625-1629.	0.4	1
69	Surface physics at the nano-scale via scanning probe microscopy and molecular dynamics simulations. Progress in Surface Science, 1998, 59, 13-23.	8.3	5
70	Chemical Reactions and Electronic Functions of Carbon Cluster Arrays Studied by Scanning Tunneling Spectroscopy and High-resolution Electron Energy Loss Spectroscopy. Acta Physica Polonica A, 1998, 93, 317-322.	0.5	0
71	Scanning tunneling microscopy and spectroscopy study of Nd _{2-x} Ce _x CuO _{4-y} . Physica C: Superconductivity and Its Applications, 1997, 282-287, 1503-1504.	1.2	0
72	AFM investigation of bismuth doped silicate glasses. Vacuum, 1997, 48, 213-216.	3.5	8

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73	AFM investigations of K ₃ Na(SeO ₄) ₂ single crystals. Vacuum, 1997, 48, 217-219.	3.5	3
74	A spectroscopic study of the layered structure in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Journal of Molecular Structure, 1997, 404, 157-162.	3.6	1
75	Characterization of a [4Fe-4S] Ferredoxin Model Based on a Concave Tetradentate Thiol Ligand System. Chemische Berichte, 1997, 130, 23-34.	0.2	8
76	Superparamagnetic Grains as Source of Giant Magnetoresistance Effect in Discontinuous Co/Ag Multilayers. Acta Physica Polonica A, 1997, 91, 269-272.	0.5	1
77	STM/AFM Observations of Co/Cu Magnetic Multilayers. Acta Physica Polonica A, 1997, 91, 311-314.	0.5	2
78	Investigation of Sliding Friction on the Ferroic Crystals Surface. , 1997, , 269-273.		1
79	STM/AFM Images and Tunneling Spectra of Nd _{2-x} Ce _x CuO _{4-y} Single Crystals. Acta Physica Polonica A, 1997, 92, 209-214.	0.5	0
80	Deposited microclusters and their interaction with substrate. Surface Science, 1996, 365, 503-510.	1.9	10
81	Gold clusters deposited on highly oriented pyrolytic graphite by pulse laser ablation and liquid metal ion source. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 217-218, 103-107.	5.6	8
82	AFM and STM investigations of a Bi ₂ Sr ₂ CaCu ₂ O ₈ high-T _c superconductor. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 217-218, 419-423.	5.6	3
83	TUNNELING SPECTROSCOPY OF NANOMETER-SIZE CLUSTERS DEPOSITED ON GRAPHITE. Surface Review and Letters, 1996, 03, 979-982.	1.1	3
84	FORMATION AND MODIFICATION OF MESOSCOPIC STRUCTURES ON GRAPHITE (HOPG) AND SILICON SURFACES BY MEANS OF SCANNING TUNNELING MICROSCOPY. Surface Review and Letters, 1996, 03, 961-967.	1.1	1
85	Electronic states and stability of selenium clusters. Physical Review B, 1995, 52, 1524-1527.	3.2	31
86	Manipulations with Atoms and Clusters. Acta Physica Polonica A, 1995, 88, 813-828.	0.5	5
87	Manipulation of rectangular arrangement of Se-ring-type molecules on graphite (highly oriented) Tj ETQq1 1 0.784314 rgBT /Overlock American Vacuum Society B, Microelectronics Processing and Phenomena, 1994, 12, 1890.	1.6	1
88	Au clusters deposited on Si(111) and graphite surfaces. Surface and Coatings Technology, 1994, 67, 173-182.	4.8	5
89	Structure and stability of microcluster lattice systems. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 19, 44-47.	3.5	1
90	Polypyrrole microtubules and their use in the construction of a third generation biosensor. Synthetic Metals, 1992, 51, 397-405.	3.9	33

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91	Scanning tunnelling microscopy study of polypyrrole films and of glucose oxidase as used in a third-generation biosensor. Bioelectrochemistry, 1992, 29, 47-57.	1.0	30
92	Point-Contact I-V Characteristics of the Electroluminescent ZnS:Mn,Cu Thin Films Studied by STM. Acta Physica Polonica A, 1991, 79, 171-174.	0.5	0
93	Surface of BiSrCaCuO Single Crystal Observed by Means of Scanning Tunneling Microscope. Acta Physica Polonica A, 1991, 80, 717-722.	0.5	0
94	The Decay of m-Cresol in Water by Ozonization Studied by Means of Electron Tunneling. Applied Spectroscopy, 1987, 41, 1254-1256.	2.2	1
95	Electronic Excitation of Ni ²⁺ and Co ²⁺ by Tunneling Electrons. Physica Status Solidi (B): Basic Research, 1983, 120, K129.	1.5	4
96	Spectral properties of SnOx-ZnS(A)-CuxS-ZnS(A)-Al electroluminescent thin film structures. Physica Status Solidi A, 1982, 71, 79-82.	1.7	1
97	The influence of the CuxS layer on the spectral properties of SnOx/ZnS/CuxS/ZnS(A)/Al electroluminescent thin film structures. Thin Solid Films, 1981, 76, 349-352.	1.8	11
98	Structure of the short-wavelength electroluminescence of SnOx/ZnS/CuxS/ ZnS(A)/Al thin film cells. Thin Solid Films, 1981, 83, L159-L163.	1.8	7
99	Very thin layers prepared by laser ablation from Bi/sub 2/Te/sub 3/ target. , 0, , .		1