Pawel J Kowalczyk

List of Publications by Year
in descending order

42 papers	679 citations	687363 13 h-index	610901 24 g-index
42 all docs	42 docs citations	42 times ranked	1144 citing authors

#	Article	IF	Citations
1	Strain control in graphene on GaN nanowires: Towards pseudomagnetic field engineering. Carbon, 2022, 186, 128-140.	10.3	1
2	Raman Optical Activity of 1T-TaS₂. Nano Letters, 2022, 22, 2835-2842.	9.1	10
3	Local electronic structure of stable monolayers of Î±-MoO_{3â^'} _x grown on graphite substrate. 2D Materials, 2021, 8, 025005.	4.4	10
4	Antimony oxide nanostructures in the monolayer limit: self-assembly of van der Waals-bonded molecular building blocks. Nanotechnology, 2021, 32, 125701.	2.6	2
5	Realization of Symmetry-Enforced Two-Dimensional Dirac Fermions in Nonsymmorphic Î±-Bismuthene. ACS Nano, 2020, 14, 1888-1894.	14.6	45
6	MoirÃ© patterns in van der Waals heterostructures. Physical Review B, 2019, 99, .	3.2	21
7	Survey of electronic structure of Bi and Sb thin films by first-principles calculations and photoemission measurements. Journal of Physics and Chemistry of Solids, 2019, 128, 109-117.	4.0	11
8	Finding optimal HBr reduction of inkjet printed graphene oxide for flexible electronics. Materials Chemistry and Physics, 2016, 181, 409-414.	4.0	9
9	The observer effect in graphene oxide â€“ How the standard measurements affect the chemical and electronic structure. Carbon, 2016, 103, 235-241.	10.3	22
10	The role of water in resistive switching in graphene oxide. Applied Physics Letters, 2015, 106, .	3.3	23
11	Growth and electronic properties of NaCl on HOPG. Surface Science, 2014, 620, 45-50.	1.9	4
12	STM driven modification of bismuth nanostructures. Surface Science, 2014, 621, 140-145.	1.9	9
13	Electronic Size Effects in Three-Dimensional Nanostructures. Nano Letters, 2013, 13, 43-47.	9.1	49
14	Role of graphene defects in corrosion of graphene-coated Cu(111) surface. Applied Physics Letters, 2013, 102, .	3.3	79
15	Study of thermally evaporated thin permalloy films by the Fresnel mode of TEM and AFM. Journal of Alloys and Compounds, 2012, 521, 174-177.	5.5	6
16	Anisotropic oxidation of bismuth nanostructures: Evidence for a thin film allotrope of bismuth. Applied Physics Letters, 2012, 100, .	3.3	27
17	Grain boundaries between bismuth nanocrystals. Acta Materialia, 2012, 60, 674-681.	7.9	8
18	Study of dithiol monolayer as the interface for controlled deposition of gold nanoparticles. Materials Characterization, 2011, 62, 268-274.	4.4	8

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19	STM and XPS investigations of bismuth islands on HOPG. Surface Science, 2011, 605, 659-667.	1.9	63
20	The effects of annealing and growth temperature on the morphologies of Bi nanostructures on HOPG. Surface Science, 2010, 604, 1273-1282.	1.9	23
21	Ultra Highly Selective Synthesis of Double-Walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 137-147.	2.1	4
22	The new high-temperature surface structure on reduced TiO₂(001). Journal of Physics Condensed Matter, 2010, 22, 395501.	1.8	10
23	Study of obliquely deposited thin cobalt films. Journal of Alloys and Compounds, 2010, 506, 526-529.	5.5	20
24	Nano- and microtribological characterization of silanes deposited on cobalt substrate. Journal of Alloys and Compounds, 2010, 507, 273-278.	5.5	19
25	Investigation of STM tip influence on the recorded position of the Shockley surface state on Au(1 1 1). Surface Science, 2009, 603, 747-751.	1.9	2
26	Electrochemical behaviour of gold modified with contaminated TMP amine adlayers studied by STM, CV, EPR. Applied Surface Science, 2009, 255, 3946-3952.	6.1	8
27	Self-assembled monolayers of radical molecules physisorbed on HOPG(0001) substrate studied by scanning tunnelling microscopy and electron paramagnetic resonance techniques. Applied Surface Science, 2009, 255, 8769-8773.	6.1	11
28	Alloying process at the interface of silver nanoparticles deposited on Au(111) substrate due to the high-temperature treatments. Journal of Alloys and Compounds, 2009, 481, 486-491.	5.5	4
29	Graphene on gold: Electron density of states studies by scanning tunneling spectroscopy. Applied Physics Letters, 2009, 95, .	3.3	50
30	Scanning tunneling microscopy investigations of silicon carbide nanowires. Applied Surface Science, 2008, 254, 4268-4272.	6.1	9
31	Formation of dense nitroxide radical layers on the Au(111) substrate for ESN-STM measurement. Applied Surface Science, 2008, 255, 1921-1928.	6.1	15
32	Silicon carbide nanowires: chemical characterization and morphology investigations. Physica Status Solidi (B): Basic Research, 2008, 245, 2094-2097.	1.5	9
33	Silicon carbide nanowires studied by scanning tunneling spectroscopy. Surface Science, 2008, 602, 316-320.	1.9	8
34	STM induced modification of gold surface in the presence of TMP amine. Vacuum, 2008, 83, 419-422.	3.5	2
35	Investigation of the Shockley surface state on clean and air-exposed Au (111). Applied Surface Science, 2008, 254, 4572-4576.	6.1	11
36	STM studies of the reconstructed Au(111) thin-film at elevated temperatures. Applied Surface Science, 2007, 253, 4715-4720.	6.1	13

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37	STM/STS investigation of carbon nanotube junctions. Applied Physics A: Materials Science and Processing, 2007, 87, 37-40.	2.3	2
38	High temperature STM/STS investigations of resonant image states on Au(111). Applied Surface Science, 2007, 253, 4036-4040.	6.1	7
39	Room and high-temperature scanning tunnelling microscopy and spectroscopy (HT-STM/STS) investigations of surface nanomodifications created on the TiO2(110) surface. Surface Science, 2007, 601, 1513-1520.	1.9	9
40	STS investigations of temperature dependence of Au(111) surface state energy position. Surface Science, 2006, 600, 1604-1607.	1.9	11
41	Identification of tetrahedral amorphous carbon clusters on atomic hydrogen-etched graphite surface by scanning tunneling microscopy/spectroscopy. Applied Surface Science, 2002, 187, 28-36.	6.1	12
42	Investigations of electronic structure of capped carbon nanotubes by scanning tunneling spectroscopy. Vacuum, 2001, 63, 145-150.	3.5	13