

# Mirosław Krawczyk

## List of Publications by Year in descending order

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45  
papers

707  
citations

623734

14  
h-index

580821

25  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1136  
citing authors

#	ARTICLE	IF	CITATIONS
1	ALD grown zinc oxide with controllable electrical properties. Semiconductor Science and Technology, 2012, 27, 074011.	2.0	134
2	Homogeneous and heterogeneous magnetism in (Zn,Co)O: From a random antiferromagnet to a dipolar superferromagnet by changing the growth temperature. Physical Review B, 2013, 88, .	3.2	43
3	Plasma Nitriding of TiO <sub>2</sub> Nanotubes: N-Doping in Situ Investigations Using XPS. ACS Omega, 2020, 5, 8647-8658.	3.5	41
4	Surface studies and catalytic properties of the bifunctional bulk MoO <sub>2</sub> system. Surface and Interface Analysis, 2002, 34, 225-229.	1.8	38
5	Surface characterisation of cobalt-palladium alloys. Applied Surface Science, 2004, 235, 49-52.	6.1	29
6	XPS study of arsenic doped ZnO grown by Atomic Layer Deposition. Journal of Alloys and Compounds, 2014, 582, 594-597.	5.5	25
7	Physicochemical and catalytic properties of Pt-poly(4-vinylpyridine) composites. Materials Chemistry and Physics, 2009, 114, 763-773.	4.0	23
8	Electron inelastic mean free paths in cerium dioxide. Applied Surface Science, 2015, 341, 196-202.	6.1	23
9	ZnO, ZnMnO and ZnCoO films grown by atomic layer deposition. Semiconductor Science and Technology, 2012, 27, 074009.	2.0	22
10	Energy dependence of electron inelastic mean free paths in bulk GaN crystals. Surface Science, 2004, 566-568, 1234-1239.	1.9	21
11	Measured electron IMFPs for SiC. Surface and Interface Analysis, 2006, 38, 644-647.	1.8	19
12	Experimental determination of the inelastic mean free path of electrons in GaP and InAs. Surface and Interface Analysis, 2000, 30, 195-198.	1.8	17
13	Surface chemistry and catalysis studies on the palladium-boron system in the semihydrogenation of alkynes. Catalysis Letters, 1993, 17, 21-28.	2.6	16
14	Influence of the matrix on boron detection by auger electron spectroscopy (AES). Journal of Electron Spectroscopy and Related Phenomena, 1988, 46, 131-143.	1.7	15
15	Intercomparison of methods for separation of REELS elastic peak intensities for determination of IMFP. Surface and Interface Analysis, 2001, 31, 1-10.	1.8	14
16	Determination of inelastic mean free paths for AuPd alloys by elastic peak electron spectroscopy (EPES). Surface and Interface Analysis, 2002, 33, 23-28.	1.8	14
17	Surface and in-depth characterization of InGaN compounds synthesized by plasma-assisted molecular beam epitaxy. Journal of Alloys and Compounds, 2011, 509, 9565-9571.	5.5	14
18	Studies of the hot-pressed TiN material by electron spectroscopies. Journal of Alloys and Compounds, 2013, 546, 280-285.	5.5	14

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19	Decomposition of diborane on Pd(111): thermal and chemical behaviour of surface boron. Applied Surface Science, 1998, 135, 209-217.	6.1	12
20	The inelastic mean free path and the inelastic scattering cross-section of electrons in GaAs determined from highly resolved electron energy spectra. Surface Science, 1998, 402-404, 491-495.	1.9	12
21	Determination of the electron inelastic mean free path in polyacetylene by elastic peak electron spectroscopy using different spectrometers. Applied Surface Science, 1999, 144-145, 168-172.	6.1	12
22	Role of interface in ferromagnetism of (Zn,Co)O films. Physica Status Solidi (B): Basic Research, 2011, 248, 1596-1600.	1.5	12
23	Continuous-flow hydrogenation of nitrocyclohexane toward value-added products with CuZnAl hydrotalcite derived materials. Applied Catalysis A: General, 2021, 618, 118134.	4.3	12
24	Materials characterization of TiO <sub>2</sub> nanotubes decorated by Au nanoparticles for photoelectrochemical applications. RSC Advances, 2021, 11, 38727-38738.	3.6	11
25	Surface characterization of low-temperature grown yttrium oxide. Applied Surface Science, 2018, 437, 347-356.	6.1	10
26	Continuous 2-Methyl-3-butyn-2-ol Selective Hydrogenation on Pd/Al <sub>2</sub> O <sub>3</sub> as a Green Pathway of Vitamin A Precursor Synthesis. Catalysts, 2021, 11, 501.	3.5	10
27	IMFP measurements near Au-Ni alloy surfaces by EPES: indirect evidence of submonolayer Au surface enrichment. Surface Science, 2004, 566-568, 856-861.	1.9	9
28	A surface study on model Pd(111) catalyst modified with boron. Surface Science, 1993, 287-288, 212-216.	1.9	8
29	Promoting effect of Zinc in DeNO <sub>x</sub> reaction over Pt/Al <sub>2</sub> O <sub>3</sub> . Studies in Surface Science and Catalysis, 1998, , 265-274.	1.5	8
30	Experimental determination of the inelastic mean free path of electrons in GaSb and InSb. Applied Surface Science, 1999, 144-145, 173-177.	6.1	8
31	Determination of the electron inelastic mean free path in some binary alloys for application in quantitative surface analysis. Applied Surface Science, 2004, 235, 15-20.	6.1	7
32	Elastic-peak electron spectroscopy (EPES) studies of ZnO single crystals. Journal of Alloys and Compounds, 2014, 590, 553-556.	5.5	7
33	Surface characterization of graphene based materials. Applied Surface Science, 2016, 388, 696-703.	6.1	7
34	Surface reactivity of the borided Pd(111) with respect to hydrogen, ethyne and ethene. Vacuum, 1995, 46, 1151-1153.	3.5	6
35	Oxygen adsorption on binary Co <sub>50</sub> Pd <sub>50</sub> alloy surfaces. Vacuum, 2001, 63, 23-27.	3.5	5
36	Electron inelastic mean free paths (IMFPs) in binary Au-Cu alloys determined by elastic peak electron spectroscopy. Surface and Interface Analysis, 2001, 31, 415-420.	1.8	5

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37	XPS method as a useful tool for studies of quantum well epitaxial materials: Chemical composition and thermal stability of InGaN/GaN multilayers. <i>Journal of Alloys and Compounds</i> , 2014, 597, 181-187.	5.5	5
38	Surface Characterization of MoS <sub>2</sub> Atomic Layers Mechanically Exfoliated on a Si Substrate. <i>Materials</i> , 2020, 13, 3595.	2.9	5
39	Electron IMFPs in bulk Cd <sub>0.88</sub> Mn <sub>0.12</sub> Te crystals determined by EPES. <i>Surface Science</i> , 2006, 600, 3744-3748.	1.9	3
40	Titanium (IV) Oxide Nanotubes in Design of Active SERS Substrates for High Sensitivity Analytical Applications: Effect of Geometrical Factors in Nanotubes and in Ag-n Deposits. , 2018, , .		3
41	Quantification of surface excitation effects on the EPES-determined IMFPs for GaN and SiC. <i>Surface and Interface Analysis</i> , 2008, 40, 725-727.	1.8	2
42	Corrected electron inelastic mean free paths (IMFPs) for selected wide band semiconductors. <i>Journal of Physics: Conference Series</i> , 2008, 100, 042033.	0.4	2
43	Surface studies of praseodymium by electron spectroscopies. <i>Applied Surface Science</i> , 2016, 388, 691-695.	6.1	2
44	Interaction of hydrogen with InN thin films elaborated on InP(100). <i>Surface Science</i> , 2007, 601, 3722-3725.	1.9	1
45	Co Loading Adjustment for the Effective Obtention of a Sedative Drug Precursor through Efficient Continuous-Flow Chemoselective Hydrogenation of 2-Methyl-2-Pentenal. <i>Catalysts</i> , 2022, 12, 19.	3.5	1