

Aleksandra Szkudlarek

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

377
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuum models of focused electron beam induced processing. Beilstein Journal of Nanotechnology, 2015, 6, 1518-1540.	2.8	55
2	Gas-Sensing Performance of M-Doped CuO-Based Thin Films Working at Different Temperatures upon Exposure to Propane. Sensors, 2015, 15, 20069-20085.	3.8	49
3	The Nanoscale Implications of a Molecular Gas Beam during Electron Beam Induced Deposition. ACS Applied Materials & Interfaces, 2014, 6, 2987-2995.	8.0	47
4	Performance of Si-Doped WO ₃ Thin Films for Acetone Sensing Prepared by Glancing Angle DC Magnetron Sputtering. IEEE Sensors Journal, 2016, 16, 1004-1012.	4.7	46
5	Electronic sensitization of CuO thin films by Cr-doping for enhanced gas sensor response at low detection limit. Materials Research Express, 2018, 5, 126406.	1.6	34
6	Toward Ultraflat Surface Morphologies During Focused Electron Beam Induced Nanosynthesis: Disruption Origins and Compensation. ACS Applied Materials & Interfaces, 2015, 7, 3289-3297.	8.0	30
7	Lateral resolution in focused electron beam-induced deposition: scaling laws for pulsed and static exposure. Applied Physics A: Materials Science and Processing, 2014, 117, 1715-1726.	2.3	20
8	Comparative study of post-growth annealing of Cu(hfac) ₂ , Co ₂ (CO) ₈ and Me ₂ Au(acac) metal precursors deposited by FEBID. Beilstein Journal of Nanotechnology, 2018, 9, 91-101.	2.8	20
9	Formation of pure Cu nanocrystals upon post-growth annealing of Cu ¹³ C material obtained from focused electron beam induced deposition: comparison of different methods. Beilstein Journal of Nanotechnology, 2015, 6, 1508-1517.	2.8	17
10	Electrochemically synthesized ¹³ Fe ₂ O ₃ nanoparticles as peptide carriers and sensitive and reproducible SERS biosensors. Comparison of adsorption on ¹³ Fe ₂ O ₃ versus Fe. Applied Surface Science, 2019, 495, 143578.	6.1	16
11	Determination of the Surface Diffusion Coefficient and the Residence Time of Adsorbates via Local Focused Electron Beam Induced Chemical Vapour Deposition. Journal of Nanoscience and Nanotechnology, 2011, 11, 8074-8078.	0.9	12
12	Ions-free electrochemically synthesized in aqueous media flake-like CuO nanostructures as SERS reproducible substrates for the detection of neurotransmitters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 215, 24-33.	3.9	11
13	Adsorption of bombesin and its carboxyl terminal fragments onto the colloidal gold nanoparticles: SERS studies. Vibrational Spectroscopy, 2016, 84, 1-6.	2.2	9
14	Interaction of bombesin and its fragments with gold nanoparticles analyzed using surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 251-256.	3.9	5
15	Peptides of human body fluids as sensors of corrosion of titanium to titanium dioxide. SERS application. Applied Surface Science, 2019, 473, 107-120.	6.1	5