

Aleksandra Szkudlarek

List of Publications by Year in descending order

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15
papers

377
citations

840776

11
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940533

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docs citations

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times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemically synthesized \hat{I}^3 -Fe ₂ O ₃ nanoparticles as peptide carriers and sensitive and reproducible SERS biosensors. Comparison of adsorption on \hat{I}^3 -Fe ₂ O ₃ versus Fe. <i>Applied Surface Science</i> , 2019, 495, 143578.	6.1	16
2	Ions-free electrochemically synthesized in aqueous media flake-like CuO nanostructures as SERS reproducible substrates for the detection of neurotransmitters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 24-33.	3.9	11
3	Peptides of human body fluids as sensors of corrosion of titanium to titanium dioxide. SERS application. <i>Applied Surface Science</i> , 2019, 473, 107-120.	6.1	5
4	Electronic sensitization of CuO thin films by Cr-doping for enhanced gas sensor response at low detection limit. <i>Materials Research Express</i> , 2018, 5, 126406.	1.6	34
5	Comparative study of post-growth annealing of Cu(hfac) ₂ , Co ₂ (CO) ₈ and Me ₂ Au(acac) metal precursors deposited by FEBID. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 91-101.	2.8	20
6	Interaction of bombesin and its fragments with gold nanoparticles analyzed using surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 251-256.	3.9	5
7	Adsorption of bombesin and its carboxyl terminal fragments onto the colloidal gold nanoparticles: SERS studies. <i>Vibrational Spectroscopy</i> , 2016, 84, 1-6.	2.2	9
8	Performance of Si-Doped WO ₃ Thin Films for Acetone Sensing Prepared by Glancing Angle DC Magnetron Sputtering. <i>IEEE Sensors Journal</i> , 2016, 16, 1004-1012.	4.7	46
9	Continuum models of focused electron beam induced processing. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1518-1540.	2.8	55
10	Formation of pure Cu nanocrystals upon post-growth annealing of Cu ⁶⁴ C material obtained from focused electron beam induced deposition: comparison of different methods. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1508-1517.	2.8	17
11	Gas-Sensing Performance of M-Doped CuO-Based Thin Films Working at Different Temperatures upon Exposure to Propane. <i>Sensors</i> , 2015, 15, 20069-20085.	3.8	49
12	Toward Ultraflat Surface Morphologies During Focused Electron Beam Induced Nanosynthesis: Disruption Origins and Compensation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3289-3297.	8.0	30
13	Lateral resolution in focused electron beam-induced deposition: scaling laws for pulsed and static exposure. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1715-1726.	2.3	20
14	The Nanoscale Implications of a Molecular Gas Beam during Electron Beam Induced Deposition. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2987-2995.	8.0	47
15	Determination of the Surface Diffusion Coefficient and the Residence Time of Adsorbates via Local Focused Electron Beam Induced Chemical Vapour Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8074-8078.	0.9	12