Agnieszka Brzozka

List of Publications by Year
in descending order

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33	917	687220 13	526166 27
papers	citations	h-index	g-index

34	34	34	1280
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Silver nanowire array sensor for sensitive and rapid detection of H2O2. Electrochimica Acta, 2013, 104, 439-447.	2.6	170
2	Fabrication of nanoporous TiO2 by electrochemical anodization. Electrochimica Acta, 2010, 55, 4359-4367.	2.6	130
3	Through-hole membranes of nanoporous alumina formed by anodizing in oxalic acid and their applications in fabrication of nanowire arrays. Electrochimica Acta, 2010, 55, 4368-4376.	2.6	108
4	Fabrication of diameter-modulated and ultrathin porous nanowires in anodic aluminum oxide templates. Electrochimica Acta, 2011, 56, 4972-4979.	2.6	105
5	Anodic growth of TiO2 nanopore arrays at various temperatures. Electrochimica Acta, 2013, 104, 526-535.	2.6	93
6	pH sensors based on polypyrrole nanowire arrays. Electrochimica Acta, 2013, 104, 536-541.	2.6	51
7	SERS imaging of silver coated nanostructured Al and Al₂O₃ substrates. The effect of nanostructure. Journal of Raman Spectroscopy, 2014, 45, 281-291.	1.2	26
8	Electrocatalytic reduction of chloroform at nanostructured silver electrodes. Electrochimica Acta, 2017, 225, 574-583.	2.6	25
9	The effect of anodizing potential and annealing conditions on the morphology, composition and photoelectrochemical activity of porous anodic tin oxide films. Electrochimica Acta, 2019, 319, 18-30.	2.6	22
10	Synthesis of copper nanocone array electrodes and its electrocatalytic properties toward hydrogen peroxide reduction. Materials Letters, 2016, 174, 66-70.	1.3	21
11	Effect of processing parameters on pore opening and mechanism of voltage pulse detachment of nanoporous anodic alumina. Electrochimica Acta, 2015, 178, 374-384.	2.6	20
12	A comparative study of electrocatalytic reduction of hydrogen peroxide at carbon rod electrodes decorated with silver particles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 263, 114801.	1.7	15
13	Chemical and Structural Modifications of Nanoporous Alumina and Its Optical Properties. Springer Series in Materials Science, 2015, , 219-288.	0.4	13
14	Polypyrroleâ€“Nickel Hydroxide Hybrid Nanowires as Future Materials for Energy Storage. Nanomaterials, 2019, 9, 307.	1.9	12
15	Efficient metal-free strategies for polymerization of a sterically hindered ionic monomer through the application of hard confinement and high pressure. RSC Advances, 2019, 9, 6396-6408.	1.7	12
16	Electrochemical behavior of InSb thin films with different crystal structure in alkaline solution. Electrochimica Acta, 2019, 302, 352-362.	2.6	11
17	Through-hole AAO-SA templates with a small pore diameter prepared by the voltage pulse detachment method. Microporous and Mesoporous Materials, 2019, 283, 73-81.	2.2	9
18	A facile approach to silver nanowire array electrode preparation and its application for chloroform reduction. Electrochimica Acta, 2020, 362, 137110.	2.6	9

#	Article	IF	Citations
19	AAO Templates with Different Patterns and Channel Shapes. , 2017, , 107-156.		8
20	Unique Behavior of Poly(propylene glycols) Confined within Alumina Templates Having a Nanostructured Interface. Nano Letters, 2020, 20, 5714-5719.	4.5	8
21	Adjusting the crystal size of InSb nanowires for optical band gap energy modification. Materials Chemistry and Physics, 2020, 254, 123498.	2.0	8
22	Optimization of synthesis conditions of thin Te-doped InSb films and first principles studies of their physicochemical properties. Applied Surface Science, 2021, 537, 147715.	3.1	7
23	Dual-enhancement and dual-tag design for SERS-based sandwich immunoassays: evaluation of a metalâ€“metal effect in 3D architecture. Mikrochimica Acta, 2022, 189, 32.	2.5	7
24	Influence of synthesis parameters on composition and morphology of electrodeposited Zn-Sb thin films. Journal of Industrial and Engineering Chemistry, 2020, 84, 202-216.	2.9	6
25	Controlled synthesis and characterization of AgPd nanowire arrays for electrocatalytic applications. Journal of Electroanalytical Chemistry, 2020, 873, 114373.	1.9	5
26	Effect of the Supporting Electrolyte on Chloroform Reduction at a Silver Electrode in Aqueous Solutions. Molecules, 2021, 26, 525.	1.7	5
27	Recent trends in synthesis of nanoporous anodic aluminum oxides. , 2020, , 35-88.		4
28	Investigation of electrodeposition kinetics of In, Sb, and Zn for advanced designing of InSb and ZnSb thin films. Journal of Electroanalytical Chemistry, 2021, 882, 114967.	1.9	4
29	Control of Ag nanofoam structure and its electrocatalytic performance in bromobenzene reductive debromination via variation of electrodeposition conditions. Applied Surface Science, 2022, 579, 152131.	3.1	3
30	Nickel Phosphide Nanomaterials for Hydrogen Evolution Reaction. ECS Meeting Abstracts, 2020, MA2020-02, 1429-1429.	0.0	0
31	Nanostructured Sensors for Non-Enzymatic Detection of Hydrogen Peroxide and Glucose. ECS Meeting Abstracts, 2020, MA2020-02, 1470-1470.	0.0	0
32	Electrodeposition of Ruthenium-Doped Manganese Selenide for Energy-Related Materials. ECS Meeting Abstracts, 2020, MA2020-02, 1422-1422.	0.0	0
33	Synthesis and Characterization of Ordered Cobalt Phosphide Nanowire Arrays As a Potential Catalyst for HER/Oer Reactions.. ECS Meeting Abstracts, 2020, MA2020-02, 1433-1433.	0.0	0