

Vilma Ratautaite

List of Publications by Year in descending order

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26
papers

951
citations

361413

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all docs

26
docs citations

26
times ranked

966
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosensors for the Determination of SARS-CoV-2 Virus and Diagnosis of COVID-19 Infection. International Journal of Molecular Sciences, 2022, 23, 666.	4.1	57
2	Towards electrochemical surface plasmon resonance sensor based on the molecularly imprinted polypyrrole for glyphosate sensing. Talanta, 2022, 241, 123252.	5.5	42
3	Electrochemically Deposited Molecularly Imprinted Polymer-Based Sensors. Sensors, 2022, 22, 1282.	3.8	30
4	Evaluation of Electrochromic Properties of Polypyrrole/Poly(Methylene Blue) Layer Doped by Polysaccharides. Sensors, 2022, 22, 232.	3.8	9
5	Electrochemical sensors based on l-tryptophan molecularly imprinted polypyrrole and polyaniline. Journal of Electroanalytical Chemistry, 2022, 917, 116389.	3.8	27
6	Electrochemical Determination of Interaction between SARS-CoV-2 Spike Protein and Specific Antibodies. International Journal of Molecular Sciences, 2022, 23, 6768.	4.1	27
7	Towards supercapacitors: Cyclic voltammetry and fast Fourier transform electrochemical impedance spectroscopy based evaluation of polypyrrole electrochemically deposited on the pencil graphite electrode. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125750.	4.7	61
8	Towards analytical application of electrochromic polypyrrole layers modified by phenothiazine derivatives. Journal of Electroanalytical Chemistry, 2021, 886, 115132.	3.8	22
9	Evaluation of the Electrochromic Response of Polypyrrole in the Presence of CO ₂ in the Solution. Engineering Proceedings, 2021, 6, .	0.4	0
10	Scanning electrochemical microscopy and electrochemical impedance spectroscopy-based characterization of perforated polycarbonate membrane modified by carbon-nanomaterials and glucose oxidase. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126822.	4.7	11
11	TiO ₂ -x/TiO ₂ -Structure Based "Self-Heated"™ Sensor for the Determination of Some Reducing Gases. Sensors, 2020, 20, 74.	3.8	54
12	Evaluation of electrochemical quartz crystal microbalance based sensor modified by uric acid-imprinted polypyrrole. Talanta, 2020, 220, 121414.	5.5	54
13	An Application of Conducting Polymer Polypyrrole for the Design of Electrochromic pH and CO ₂ Sensors. Journal of the Electrochemical Society, 2019, 166, B297-B303.	2.9	30
14	Impact of diamond nanoparticles on neural cells. Molecular and Cellular Probes, 2015, 29, 25-30.	2.1	14
15	Characterization of caffeine-imprinted polypyrrole by a quartz crystal microbalance and electrochemical impedance spectroscopy. Sensors and Actuators B: Chemical, 2015, 212, 63-71.	7.8	82
16	Quartz Crystal Microbalance-Based Evaluation of the Electrochemical Formation of an Aggregated Polypyrrole Particle-Based Layer. Langmuir, 2015, 31, 3186-3193.	3.5	37
17	Evaluation of theophylline imprinted polypyrrole film. Synthetic Metals, 2015, 209, 206-211.	3.9	39
18	Impact of differently modified nanocrystalline diamond on the growth of neuroblastoma cells. New Biotechnology, 2015, 32, 7-12.	4.4	23

#	ARTICLE	IF	CITATIONS
19	Evaluation of Histamine Imprinted Polypyrrole Deposited on Boron Doped Nanocrystalline Diamond. <i>Electroanalysis</i> , 2014, 26, 2458-2464.	2.9	45
20	Molecularly Imprinted Polypyrrole Based Impedimetric Sensor for Theophylline Determination. <i>Electrochimica Acta</i> , 2014, 130, 361-367.	5.2	71
21	Some biocompatibility aspects of conducting polymer polypyrrole evaluated with bone marrow-derived stem cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 442, 152-156.	4.7	54
22	Electrochemical stability and repulsion of polypyrrole film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 418, 16-21.	4.7	50
23	Molecularly Imprinted Polypyrrole for DNA Determination. <i>Electroanalysis</i> , 2013, 25, 1169-1177.	2.9	66
24	Conducting and Electrochemically Generated Polymers in Sensor Design (Mini Review). <i>Procedia Engineering</i> , 2012, 47, 825-828.	1.2	21
25	Comparison of phytochemical composition of medicinal plants by means of chromatographic and related techniques. <i>Procedia Chemistry</i> , 2010, 2, 83-91.	0.7	14
26	Effect of polymerization conditions on morphology and chromatographic characteristics of polyacrylamide-based beds (monoliths) for capillary electrochromatography and capillary liquid chromatography. <i>Journal of Separation Science</i> , 2009, 32, 2582-2591.	2.5	11