Vilma Ratautaite

List of Publications by Year
in descending order

26	951	361413	580821
papers	citations	20 h-index	25 g-index

26	26	26	966
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Molecularly Imprinted Polypyrrole Based Impedimentric Sensor for Theophylline Determination. Electrochimica Acta, 2014, 130, 361-367.	5.2	71
3	Molecularly Imprinted Polypyrrole for DNA Determination. Electroanalysis, 2013, 25, 1169-1177.	2.9	66
4	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
5	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
6	Some biocompatibility aspects of conducting polymer polypyrrole evaluated with bone marrow-derived stem cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 442, 152-156.	4.7	54
7	TiO2-x/TiO2-Structure Based â€˜Self-Heatedâ€™ Sensor for the Determination of Some Reducing Gases. Sensors, 2020, 20, 74.	3.8	54
8	Evaluation of electrochemical quartz crystal microbalance based sensor modified by uric acid-imprinted polypyrrole. Talanta, 2020, 220, 121414.	5.5	54
9	Electrochemical stability and repulsion of polypyrrole film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 418, 16-21.	4.7	50
10	Evaluation of Histamine Imprinted Polypyrrole Deposited on Boron Doped Nanocrystalline Diamond. Electroanalysis, 2014, 26, 2458-2464.	2.9	45
11	Towards electrochemical surface plasmon resonance sensor based on the molecularly imprinted polypyrrole for glyphosate sensing. Talanta, 2022, 241, 123252.	5.5	42
12	Evaluation of theophylline imprinted polypyrrole film. Synthetic Metals, 2015, 209, 206-211.	3.9	39
13	Quartz Crystal Microbalance-Based Evaluation of the Electrochemical Formation of an Aggregated Polypyrrole Particle-Based Layer. Langmuir, 2015, 31, 3186-3193.	3.5	37
14	An Application of Conducting Polymer Polypyrrole for the Design of Electrochromic pH and CO₂Sensors. Journal of the Electrochemical Society, 2019, 166, B297-B303.	2.9	30
15	Electrochemically Deposited Molecularly Imprinted Polymer-Based Sensors. Sensors, 2022, 22, 1282.	3.8	30
16	Electrochemical sensors based on l-tryptophan molecularly imprinted polypyrrole and polyaniline. Journal of Electroanalytical Chemistry, 2022, 917, 116389.	3.8	27
17	Electrochemical Determination of Interaction between SARS-CoV-2 Spike Protein and Specific Antibodies. International Journal of Molecular Sciences, 2022, 23, 6768.	4.1	27
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	Towards analytical application of electrochromic polypyrrole layers modified by phenothiazine derivatives. Journal of Electroanalytical Chemistry, 2021, 886, 115132.	3.8	22
20	Conducting and Electrochemically Generated Polymers in Sensor Design (Mini Review). Procedia Engineering, 2012, 47, 825-828.	1.2	21
21	Comparison of phytochemical composition of medicinal plants by means of chromatographic and related techniques. Procedia Chemistry, 2010, 2, 83-91.	0.7	14
22	Impact of diamond nanoparticles on neural cells. Molecular and Cellular Probes, 2015, 29, 25-30.	2.1	14
23	Effect of polymerization conditions on morphology and chromatographic characteristics of polyacrylamideâ€based beds (monoliths) for capillary electrochromatography and capillary liquid chromatography. Journal of Separation Science, 2009, 32, 2582-2591.	2.5	11
24	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
25	Evaluation of Electrochromic Properties of Polypyrrole/Poly(Methylene Blue) Layer Doped by Polysaccharides. Sensors, 2022, 22, 232.	3.8	9
26	Evaluation of the Electrochromic Response of Polypyrrole in the Presence of CO2 in the Solution. Engineering Proceedings, 2021, 6, .	0.4	0