Lukasz Poltorak

List of Publications by Year
in descending order

36	579	567281 15	677142 22
papers	citations	h-index	g-index

36	36	36	467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrochemical sensing of fluoroquinolone antibiotics. TrAC - Trends in Analytical Chemistry, 2020, 128, 115907.	11.4	49
2	Electrochemically Assisted Generation of Silica Deposits Using a Surfactant Template at Liquid/Liquid Microinterfaces. Langmuir, 2014, 30, 11453-11463.	3.5	37
3	Electrified Soft Interface as a Selective Sensor for Cocaine Detection in Street Samples. Analytical Chemistry, 2018, 90, 7428-7433.	6.5	31
4	Decorating soft electrified interfaces: From molecular assemblies to nano-objects. Applied Materials Today, 2017, 9, 533-550.	4.3	30
5	In-situ formation of mesoporous silica films controlled by ion transfer voltammetry at the polarized liquidâ€“liquid interface. Electrochemistry Communications, 2013, 37, 76-79.	4.7	29
6	Electrochemical cocaine (bio)sensing. From solid electrodes to soft junctions. TrAC - Trends in Analytical Chemistry, 2019, 114, 48-55.	11.4	29
7	Electrochemical study of ephedrine at the polarized liquid-liquid interface supported with a 3D printed cell. Journal of Hazardous Materials, 2021, 402, 123411.	12.4	28
8	Electrochemical characterization of liquid-liquid micro-interfaces modified with mesoporous silica. Electrochimica Acta, 2015, 179, 9-15.	5.2	26
9	Electrochemically Assisted Deposition of Calcite for Application in Surfactant Adsorption Studies. Energy & Fuels, 2019, 33, 805-813.	5.1	25
10	Fused Silica Microcapillaries Used for a Simple Miniaturization of the Electrified Liquidâ€“Liquid Interface. Analytical Chemistry, 2018, 90, 7112-7116.	6.5	23
11	Ion transfer voltammetry for analytical screening of fluoroquinolone antibiotics at the water â€“ 1.2-dichloroethane interface. Analytica Chimica Acta, 2019, 1085, 75-84.	5.4	23
12	Interfacial processes studied by coupling electrochemistry at the polarised liquidâ€“liquid interface with in situ confocal Raman spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 26955-26962.	2.8	21
13	Visualization of Diffusion within Nanoarrays. Analytical Chemistry, 2016, 88, 6689-6695.	6.5	20
14	Hybrid polyelectrolyte-anion exchange membrane and its interaction with phosphate. Reactive and Functional Polymers, 2018, 133, 126-135.	4.1	20
15	Electrochemical impedance spectroscopy as a useful method for examination of the acidâ€“base equilibria at interface separating electrolyte solution and phosphatidylcholine bilayer. Electrochimica Acta, 2013, 91, 367-372.	5.2	18
16	Enhanced vapour sensing using silicon nanowire devices coated with Pt nanoparticle functionalized porous organic frameworks. Nanoscale, 2018, 10, 6884-6891.	5.6	13
17	Layer-by-layer (LbL) assembly of polyelectrolytes at the surface of a fiberglass membrane used as a support of the polarized liquidâ€“liquid interface. Electrochimica Acta, 2020, 363, 137215.	5.2	13
18	Lipid bilayers cushioned with polyelectrolyte-based films on doped silicon surfaces. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2669-2680.	2.6	12

#	Article	IF	Citations
19	Determination of quinine in tonic water at the miniaturized and polarized liquidâ€“liquid interface. Food Chemistry, 2021, 364, 130417.	8.2	12
20	Effect of charge of quaternary ammonium cations on lipophilicity and electroanalytical parameters: Task for ion transfer voltammetry. Journal of Electroanalytical Chemistry, 2017, 796, 66-74.	3.8	11
21	Illicit drugs street samples and their cutting agents. The result of the GC-MS based profiling define the guidelines for sensors development. Talanta, 2022, 237, 122904.	5.5	11
22	Local pH changes triggered by photoelectrochemistry for silica condensation at the liquid-liquid interface. Electrochimica Acta, 2016, 188, 71-77.	5.2	10
23	Acid phosphatase behaviour at an electrified soft junction and its interfacial co-deposition with silica. Electrochemistry Communications, 2018, 94, 27-30.	4.7	10
24	Locally pH controlled and directed growth of supramolecular gel microshapes using electrocatalytic nanoparticles. Chemical Communications, 2019, 55, 9092-9095.	4.1	10
25	Electrochemistry at the liquidâ€“liquid interface rediscovers interfacial polycondensation of nylon-6,6. Electrochemistry Communications, 2020, 115, 106732.	4.7	10
26	Electrochemical behavior of cocaine cutting agents at the polarized liquid-liquid interface. Electrochimica Acta, 2022, 402, 139553.	5.2	10
27	Calcium Carbonate-Modified Surfaces by Electrocrystallization To Study Anionic Surfactant Adsorption. Energy & Fuels, 2021, 35, 1358-1370.	5.1	8
28	Modified cation-exchange membrane for phosphate recovery in an electrochemically assisted adsorptionâ€“desorption process. Chemical Communications, 2020, 56, 5046-5049.	4.1	7
29	Voltammetric study of cefotaxime at the macroscopic and miniaturized interface between two immiscible electrolyte solutions. Mikrochimica Acta, 2021, 188, 413.	5.0	7
30	Electrochemically assisted hydrogel deposition, shaping and detachment. Electrochimica Acta, 2020, 350, 136352.	5.2	6
31	Ephedrine sensing at the electrified liquid-liquid interface supported with micro-punched self-adhesive polyimide film. Sensors and Actuators B: Chemical, 2021, 344, 130286.	7.8	6
32	Electrochemically assisted polyamide deposition at three-phase junction. Electrochemistry Communications, 2021, 123, 106910.	4.7	5
33	Co-deposition of silica and proteins at the interface between two immiscible electrolyte solutions. Bioelectrochemistry, 2020, 134, 107529.	4.6	4
34	Electroanalytical study of five carbosilane dendrimers at the interface between two immiscible electrolyte solutions. Analyst, The, 2021, 146, 1376-1385.	3.5	2
35	Interfacial Deposition of Titanium Dioxide at the Polarized Liquidâ€“Liquid Interface. Materials, 2022, 15, 2196.	2.9	2
36	Switchable voltammetric response of electrodes modified with a mesoporous silica thin film and a polyelectrolyte multilayer. Electrochemistry Communications, 2021, 132, 107142.	4.7	1