

Lukasz Poltorak

List of Publications by Year in descending order

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36
papers

579
citations

567281

15
h-index

677142

22
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36
all docs

36
docs citations

36
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Illicit drugs street samples and their cutting agents. The result of the GC-MS based profiling define the guidelines for sensors development. <i>Talanta</i> , 2022, 237, 122904.	5.5	11
2	Electrochemical behavior of cocaine cutting agents at the polarized liquid-liquid interface. <i>Electrochimica Acta</i> , 2022, 402, 139553.	5.2	10
3	Interfacial Deposition of Titanium Dioxide at the Polarized Liquid-Liquid Interface. <i>Materials</i> , 2022, 15, 2196.	2.9	2
4	Electrochemical study of ephedrine at the polarized liquid-liquid interface supported with a 3D printed cell. <i>Journal of Hazardous Materials</i> , 2021, 402, 123411.	12.4	28
5	Calcium Carbonate-Modified Surfaces by Electrocrystallization To Study Anionic Surfactant Adsorption. <i>Energy & Fuels</i> , 2021, 35, 1358-1370.	5.1	8
6	Electrochemically assisted polyamide deposition at three-phase junction. <i>Electrochemistry Communications</i> , 2021, 123, 106910.	4.7	5
7	Ephedrine sensing at the electrified liquid-liquid interface supported with micro-punched self-adhesive polyimide film. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130286.	7.8	6
8	Determination of quinine in tonic water at the miniaturized and polarized liquid-liquid interface. <i>Food Chemistry</i> , 2021, 364, 130417.	8.2	12
9	Electroanalytical study of five carbosilane dendrimers at the interface between two immiscible electrolyte solutions. <i>Analyst</i> , 2021, 146, 1376-1385.	3.5	2
10	Switchable voltammetric response of electrodes modified with a mesoporous silica thin film and a polyelectrolyte multilayer. <i>Electrochemistry Communications</i> , 2021, 132, 107142.	4.7	1
11	Voltammetric study of cefotaxime at the macroscopic and miniaturized interface between two immiscible electrolyte solutions. <i>Mikrochimica Acta</i> , 2021, 188, 413.	5.0	7
12	Layer-by-layer (LbL) assembly of polyelectrolytes at the surface of a fiberglass membrane used as a support of the polarized liquid-liquid interface. <i>Electrochimica Acta</i> , 2020, 363, 137215.	5.2	13
13	Electrochemically assisted hydrogel deposition, shaping and detachment. <i>Electrochimica Acta</i> , 2020, 350, 136352.	5.2	6
14	Modified cation-exchange membrane for phosphate recovery in an electrochemically assisted adsorption-desorption process. <i>Chemical Communications</i> , 2020, 56, 5046-5049.	4.1	7
15	Co-deposition of silica and proteins at the interface between two immiscible electrolyte solutions. <i>Bioelectrochemistry</i> , 2020, 134, 107529.	4.6	4
16	Electrochemistry at the liquid-liquid interface rediscovers interfacial polycondensation of nylon-6,6. <i>Electrochemistry Communications</i> , 2020, 115, 106732.	4.7	10
17	Electrochemical sensing of fluoroquinolone antibiotics. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 128, 115907.	11.4	49
18	Ion transfer voltammetry for analytical screening of fluoroquinolone antibiotics at the water-1,2-dichloroethane interface. <i>Analytica Chimica Acta</i> , 2019, 1085, 75-84.	5.4	23

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19	Locally pH controlled and directed growth of supramolecular gel microshapes using electrocatalytic nanoparticles. <i>Chemical Communications</i> , 2019, 55, 9092-9095.	4.1	10
20	Electrochemically Assisted Deposition of Calcite for Application in Surfactant Adsorption Studies. <i>Energy & Fuels</i> , 2019, 33, 805-813.	5.1	25
21	Electrochemical cocaine (bio)sensing. From solid electrodes to soft junctions. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 48-55.	11.4	29
22	Enhanced vapour sensing using silicon nanowire devices coated with Pt nanoparticle functionalized porous organic frameworks. <i>Nanoscale</i> , 2018, 10, 6884-6891.	5.6	13
23	Lipid bilayers cushioned with polyelectrolyte-based films on doped silicon surfaces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2669-2680.	2.6	12
24	Hybrid polyelectrolyte-anion exchange membrane and its interaction with phosphate. <i>Reactive and Functional Polymers</i> , 2018, 133, 126-135.	4.1	20
25	Electrified Soft Interface as a Selective Sensor for Cocaine Detection in Street Samples. <i>Analytical Chemistry</i> , 2018, 90, 7428-7433.	6.5	31
26	Fused Silica Microcapillaries Used for a Simple Miniaturization of the Electrified Liquid-Liquid Interface. <i>Analytical Chemistry</i> , 2018, 90, 7112-7116.	6.5	23
27	Acid phosphatase behaviour at an electrified soft junction and its interfacial co-deposition with silica. <i>Electrochemistry Communications</i> , 2018, 94, 27-30.	4.7	10
28	Decorating soft electrified interfaces: From molecular assemblies to nano-objects. <i>Applied Materials Today</i> , 2017, 9, 533-550.	4.3	30
29	Effect of charge of quaternary ammonium cations on lipophilicity and electroanalytical parameters: Task for ion transfer voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2017, 796, 66-74.	3.8	11
30	Visualization of Diffusion within Nanoarrays. <i>Analytical Chemistry</i> , 2016, 88, 6689-6695.	6.5	20
31	Local pH changes triggered by photoelectrochemistry for silica condensation at the liquid-liquid interface. <i>Electrochimica Acta</i> , 2016, 188, 71-77.	5.2	10
32	Electrochemical characterization of liquid-liquid micro-interfaces modified with mesoporous silica. <i>Electrochimica Acta</i> , 2015, 179, 9-15.	5.2	26
33	Interfacial processes studied by coupling electrochemistry at the polarised liquid-liquid interface with in situ confocal Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26955-26962.	2.8	21
34	Electrochemically Assisted Generation of Silica Deposits Using a Surfactant Template at Liquid/Liquid Microinterfaces. <i>Langmuir</i> , 2014, 30, 11453-11463.	3.5	37
35	In-situ formation of mesoporous silica films controlled by ion transfer voltammetry at the polarized liquid-liquid interface. <i>Electrochemistry Communications</i> , 2013, 37, 76-79.	4.7	29
36	Electrochemical impedance spectroscopy as a useful method for examination of the acid-base equilibria at interface separating electrolyte solution and phosphatidylcholine bilayer. <i>Electrochimica Acta</i> , 2013, 91, 367-372.	5.2	18