

Robert Piech

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2179636/publications.pdf>

Version: 2024-02-01

78
papers

1,323
citations

331670

21
h-index

434195

31
g-index

78
all docs

78
docs citations

78
times ranked

978
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly sensitive voltammetric determination of captopril on renewable amalgam film electrode. <i>Talanta</i> , 2022, 237, 122937.	5.5	5
2	Hydrous Cerium Dioxide-Based Materials as Solid-Contact Layers in Potassium-Selective Electrodes. <i>Membranes</i> , 2022, 12, 349.	3.0	4
3	New Electrochemical Sensor Based on Hierarchical Carbon Nanofibers with NiCo Nanoparticles and Its Application for Cetirizine Hydrochloride Determination. <i>Materials</i> , 2022, 15, 3648.	2.9	7
4	Hierarchical Nanocomposites Electrospun Carbon NanoFibers/Carbon Nanotubes as a Structural Element of Potentiometric Sensors. <i>Materials</i> , 2022, 15, 4803.	2.9	3
5	High Capacity Nanocomposite Layers Based on Nanoparticles of Carbon Materials and Ruthenium Dioxide for Potassium Sensitive Electrode. <i>Materials</i> , 2021, 14, 1308.	2.9	8
6	Potassium-Selective Solid-Contact Electrode with High-Capacitance Hydrous Iridium Dioxide in the Transduction Layer. <i>Membranes</i> , 2021, 11, 259.	3.0	6
7	Potentiometric Sensor with High Capacity Composite Composed of Ruthenium Dioxide and Poly(3,4-ethylenedioxythiophene) Polystyrene Sulfonate. <i>Materials</i> , 2021, 14, 1891.	2.9	7
8	Graphene Flakes Decorated with Dispersed Gold Nanoparticles as Nanomaterial Layer for ISEs. <i>Membranes</i> , 2021, 11, 548.	3.0	0
9	Nimesulide Determination on Carbon Black-Nafion Modified Glassy Carbon Electrode by Means of Adsorptive Stripping Voltammetry. <i>Electrocatalysis</i> , 2021, 12, 641-649.	3.0	10
10	Fast and Sensitive Voltammetric Method for the Determination of Rifampicin on Renewable Amalgam Film Electrode. <i>Sensors</i> , 2021, 21, 5792.	3.8	2
11	Highly Sensitive Levodopa Determination by Means of Adsorptive Stripping Voltammetry on Ruthenium Dioxide-Carbon Black-Nafion Modified Glassy Carbon Electrode. <i>Sensors</i> , 2021, 21, 60.	3.8	9
12	A Novel Voltammetric Measurements of Beta Blocker Drug Propranolol on Glassy Carbon Electrode Modified with Carbon Black Nanoparticles. <i>Materials</i> , 2021, 14, 7582.	2.9	5
13	Optimization of Ruthenium Dioxide Solid Contact in Ion-Selective Electrodes. <i>Membranes</i> , 2020, 10, 182.	3.0	17
14	New Electrochemical Sensor of Prolonged Application for Metformin Determination Based on Hydrated Ruthenium Dioxideâ€Carbon Blackâ€Nafion Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2020, 32, 1875-1884.	2.9	18
15	Highly Sensitive Adsorptive Stripping Voltammetric Method for Sitagliptin Determination on Renewable Amalgam Film Electrode. <i>Journal of the Electrochemical Society</i> , 2020, 167, 136510.	2.9	3
16	A simple way to modify selectivity of sodium sensitive electrodes by using organic conductive crystals. <i>Ionics</i> , 2019, 25, 2311-2321.	2.4	9
17	Ruthenium Dioxide as High-Capacitance Solid-Contact Layer in K ⁺ -Selective Electrodes Based on Polymer Membrane. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1470-B1476.	2.9	14
18	Ruthenium dioxide nanoparticles as a high-capacity transducer in solid-contact polymer membrane-based pH-selective electrodes. <i>Mikrochimica Acta</i> , 2019, 186, 777.	5.0	20

#	ARTICLE	IF	CITATIONS
19	Poly(3-octylthiophene-2,5-diyl) - nanosized ruthenium dioxide composite material as solid-contact layer in polymer membrane-based K ⁺ -selective electrodes. <i>Electrochimica Acta</i> , 2019, 322, 134718.	5.2	25
20	Highly Sensitive AdSV Method for Fe(III) Determination in Presence of Solochrome Violet RS on Renewable Amalgam Film Electrode. <i>Electroanalysis</i> , 2019, 31, 1690-1696.	2.9	6
21	TTF-TCNQ Solid Contact Layer in All-Solid-State Ion-Selective Electrodes for Potassium or Nitrate Determination. <i>Journal of the Electrochemical Society</i> , 2018, 165, B60-B65.	2.9	28
22	Spironolactone voltammetric determination on renewable amalgam film electrode. <i>Steroids</i> , 2018, 130, 1-6.	1.8	15
23	Highly sensitive voltammetric determination of dexamethasone on amalgam film electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 809, 147-152.	3.8	15
24	Glassy carbon electrode modified with carbon black for sensitive estradiol determination by means of voltammetry and flow injection analysis with amperometric detection. <i>Analytical Biochemistry</i> , 2018, 544, 7-12.	2.4	32
25	Application of graphene supporting platinum nanoparticles layer in electrochemical sensors with potentiometric and voltammetric detection. <i>Ionics</i> , 2018, 24, 2455-2464.	2.4	11
26	Molecular organic materials intermediate layers modified with carbon black in potentiometric sensors for chloride determination. <i>Electrochimica Acta</i> , 2018, 283, 1753-1762.	5.2	21
27	High Sensitive Voltammetric Determination of Betamethasone on an Amalgam Film Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, H646-H651.	2.9	6
28	High Sensitive Method for Determination of the Toxic Bisphenol A in Food/Beverage Packaging and Thermal Paper Using Glassy Carbon Electrode Modified with Carbon Black Nanoparticles. <i>Food Analytical Methods</i> , 2017, 10, 3825-3835.	2.6	15
29	Carbon black as a glassy carbon electrode modifier for high sensitive melatonin determination. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 278-284.	3.8	26
30	High selective potentiometric sensor for determination of nanomolar concentration of Cu(II) using a polymeric electrode modified by a graphene/7,7,8,8-tetracyanoquinodimethane nanoparticles. <i>Talanta</i> , 2017, 170, 41-48.	5.5	15
31	Voltammetric Determination of Drospirenone on Mercury Film Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, H311-H315.	2.9	6
32	Sensitive Voltammetric Determination of Ethinyl Estradiol on Carbon Black Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, H885-H889.	2.9	19
33	Application of a glassy carbon electrode modified with carbon black nanoparticles for highly sensitive voltammetric determination of quetiapine. <i>Analytical Methods</i> , 2017, 9, 6662-6668.	2.7	20
34	Fast and sensitive metronidazole determination by means of voltammetry on renewable amalgam silver based electrode without the preconcentration step. <i>Journal of the Serbian Chemical Society</i> , 2017, 82, 879-890.	0.8	3
35	A Novel Method of High Sensitive Determination of Prednisolone on Renewable Mercury Film Silver Based Electrode. <i>Electroanalysis</i> , 2016, 28, 394-400.	2.9	20
36	All-solid-state nitrate selective electrode with graphene/tetrathiafulvalene nanocomposite as high redox and double layer capacitance solid contact. <i>Electrochimica Acta</i> , 2016, 210, 407-414.	5.2	48

#	ARTICLE	IF	CITATIONS
37	High Sensitive Voltammetric Levodopa Sodium Determination on Renewable Mercury Film Silver Based Electrode. <i>Journal of the Electrochemical Society</i> , 2016, 163, H605-H609.	2.9	16
38	The Complex Crystal of NaTCNQ@TCNQ Supported on Different Carbon Materials as Ion-to-Electron Transducer in All-Solid-State Sodium-Selective Electrode. <i>Journal of the Electrochemical Society</i> , 2016, 163, B573-B579.	2.9	17
39	Thiomersal determination on a renewable mercury film silver-based electrode using adsorptive stripping voltammetry. <i>Analytical Methods</i> , 2016, 8, 1187-1193.	2.7	13
40	Voltammetry and Flow Injection Analysis with Amperometric Detection for Sensitive Sodium Metamizole Determination on Glassy Carbon Electrode Modified with SWCNTs/Nafion. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, M3005-M3011.	1.8	7
41	Voltammetric Electrode Based on Nafion and Poly(2,3-dihydrothieno[1,4-dioxin]poly(styrenesulfonate) Film for Fast and High Sensitive Determination of Metamizole. <i>Journal of the Electrochemical Society</i> , 2016, 163, B146-B152.	2.9	8
42	Voltammetric Determination of Codeine on Glassy Carbon Electrode Modified with Nafion/MWCNTs. <i>Journal of Analytical Methods in Chemistry</i> , 2015, 2015, 1-7.	1.6	6
43	Application of Nanostructured TCNQ to Potentiometric Ion-Selective K ⁺ and Na ⁺ Electrodes. <i>Analytical Chemistry</i> , 2015, 87, 1718-1725.	6.5	42
44	Carbon-Supported Platinum Nanoparticle Solid-State Ion Selective Electrodes for the Determination of Potassium. <i>Analytical Letters</i> , 2015, 48, 2773-2785.	1.8	15
45	Improved Nitrate Sensing Using Solid Contact Ion Selective Electrodes Based on TTF and Its Radical Salt. <i>Journal of the Electrochemical Society</i> , 2015, 162, B257-B263.	2.9	28
46	New high sensitive hydrocortisone determination by means of adsorptive stripping voltammetry on renewable mercury film silver based electrode. <i>Electrochimica Acta</i> , 2015, 182, 67-72.	5.2	25
47	Application of hanging copper amalgam drop electrode for voltammetric determination of selenium content in fruiting bodies of selected mushrooms. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 269-276.	3.3	2
48	Sensitive Voltammetric Determination of Titanium(IV) in Catalytic Adsorptive Mandelic Acid@Chlorate(V) System on Renewable Silver Amalgam Film Electrode. <i>Electroanalysis</i> , 2013, 25, 716-722.	2.9	5
49	Potentiometric Sensors with Carbon Black Supporting Platinum Nanoparticles. <i>Analytical Chemistry</i> , 2013, 85, 10255-10261.	6.5	69
50	Application of a Partial Least Squares Regression for the Determination of Nanomolar Concentrations of Scandium in the Presence of Nickel by Adsorptive Stripping Voltammetry. <i>Electroanalysis</i> , 2013, 25, 1727-1733.	2.9	3
51	Deviations from bilinearity in multivariate voltammetric calibration models. <i>Analyst, The</i> , 2013, 138, 6817.	3.5	3
52	Sensitive and fast determination of papaverine by adsorptive stripping voltammetry on renewable mercury film electrode. <i>Open Chemistry</i> , 2013, 11, 736-741.	1.9	9
53	Optimization of method for zinc analysis in several bee products on renewable mercury film silver based electrode. <i>Acta Poloniae Pharmaceutica</i> , 2013, 70, 961-5.	0.1	3
54	Platinum nanoparticles intermediate layer in solid-state selective electrodes. <i>Analyst, The</i> , 2012, 137, 5272.	3.5	45

#	ARTICLE	IF	CITATIONS
55	The influence of an intermediate layer on the composition stability of a polymeric ion-selective membrane. <i>Electrochimica Acta</i> , 2012, 85, 104-109.	5.2	11
56	Fast cathodic stripping voltammetric determination of elemental sulfur in petroleum fuels using renewable mercury film silver based electrode. <i>Fuel</i> , 2012, 97, 876-878.	6.4	15
57	Voltammetric Determination of Zinc, Copper, and Selenium in Selected Raw Plant Material. <i>Analytical Letters</i> , 2011, 44, 2347-2356.	1.8	5
58	Sensitive voltammetric determination of gallium in aluminium materials using renewable mercury film silver based electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 410-420.	3.3	16
59	The determination of molybdenum in selected mushrooms by stripping voltammetry. <i>Open Chemistry</i> , 2011, 9, 352-356.	1.9	3
60	Study on simultaneous measurements of trace gallium(III) and germanium(IV) by adsorptive stripping voltammetry using mercury film electrode. <i>Journal of Applied Electrochemistry</i> , 2011, 41, 207-214.	2.9	21
61	Adsorptive Stripping Determination of Scandium(III) with Mordant Blue 9 on Silver Amalgam Film Electrode. <i>Electroanalysis</i> , 2010, 22, 1851-1856.	2.9	15
62	Ultrasensitive determination of tungsten(VI) on pikomolar level in voltammetric catalytic adsorptive catechol-chlorate(V) system. <i>Journal of Electroanalytical Chemistry</i> , 2010, 644, 74-79.	3.8	14
63	Determination of the leaching of polymeric ion-selective membrane components by stripping voltammetry. <i>Talanta</i> , 2010, 81, 1003-1009.	5.5	24
64	Renewable Ceramic (TiN) Ring Electrode in Stripping Voltammetry. Determination of Pb(II) Without Removal of Oxygen. <i>Electroanalysis</i> , 2009, 21, 1773-1780.	2.9	5
65	Novel Sensitive Voltammetric Detection of Trace Gallium(III) with Presence of Catechol Using Mercury Film Silver Based Electrode. <i>Electroanalysis</i> , 2009, 21, 1842-1847.	2.9	21
66	Adsorptive stripping voltammetric determination of vanadium(V) with chloranilic acid using cyclic renewable mercury film silver based electrode. <i>Journal of Electroanalytical Chemistry</i> , 2009, 633, 333-338.	3.8	32
67	Renewable Copper and Silver Amalgam Film Electrodes of Prolonged Application for the Determination of Elemental Sulfur Using Stripping Voltammetry. <i>Electroanalysis</i> , 2008, 20, 809-815.	2.9	26
68	TiC Working Electrode. Voltammetric Characteristics and Application for Determination of Lead Traces by Stripping Voltammetry. <i>Electroanalysis</i> , 2008, 20, 1655-1664.	2.9	22
69	Iridium Oxide Film Electrodes for Anodic Stripping Voltammetry. <i>Electroanalysis</i> , 2008, 20, 2070-2075.	2.9	8
70	Determination of Selenium Traces on Cyclic Renewable Mercury Film Silver Electrode in Presence of Copper Ions Using Cathodic Stripping Voltammetry. <i>Electroanalysis</i> , 2008, 20, 2475-2481.	2.9	21
71	The cyclic renewable mercury film silver based electrode for determination of manganese(II) traces using anodic stripping voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2008, 621, 43-48.	3.8	55
72	The cyclic renewable mercury film silver based electrode for determination of molybdenum(VI) traces using adsorptive stripping voltammetry. <i>Talanta</i> , 2008, 76, 295-300.	5.5	61

#	ARTICLE	IF	CITATIONS
73	Dedicated mother wavelet in the determination of antimony in the presence of copper. <i>Talanta</i> , 2008, 77, 118-125.	5.5	10
74	Determination of trace arsenic on hanging copper amalgam drop electrode. <i>Talanta</i> , 2007, 72, 762-767.	5.5	21
75	The Cyclic Renewable Mercury Film Silver Based Electrode for Determination of Uranium(VI) Traces Using Adsorptive Stripping Voltammetry. <i>Electroanalysis</i> , 2007, 19, 2342-2350.	2.9	51
76	Determination of trace selenium on hanging copper amalgam drop electrode. <i>Electrochimica Acta</i> , 2007, 53, 584-589.	5.2	33
77	Determination of trace arsenic with DDTC-Na by cathodic stripping voltammetry in presence of copper ions. <i>Journal of Electroanalytical Chemistry</i> , 2007, 599, 59-64.	3.8	34
78	The Evaluation Method of Smoothing Algorithms in Voltammetry. <i>Electroanalysis</i> , 2003, 15, 1729-1736.	2.9	5