

# Hanna J Radecka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6890413/publications.pdf>

Version: 2024-02-01

99  
papers

2,358  
citations

185998

28  
h-index

253896

43  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltammetric Biosensors in Bioanalysis. , 2022, , 747-760.		0
2	Silver or gold? A comparison of nanoparticle modified electrochemical genosensors based on cobalt porphyrin-DNA. Bioelectrochemistry, 2021, 138, 107723.	2.4	10
3	Immunosensor incorporating half-antibody fragment for electrochemical monitoring of amyloid- $\beta^2$ fibrils in artificial blood plasma. Bioelectrochemistry, 2021, 137, 107643.	2.4	14
4	Individual and simultaneous voltammetric sensing of norepinephrine and tyramine based on poly(L-arginine)/reduced graphene oxide composite film modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2020, 878, 114531.	1.9	37
5	Simple and Cost-effective "Turn-on" Fluorescence Sensor for the Determination of Xanthine. Journal of Fluorescence, 2020, 30, 695-702.	1.3	12
6	Ultrasensitive electrochemical sensing of phosphate in water mediated by a dipicolylamine-zinc(II) complex. Sensors and Actuators B: Chemical, 2020, 321, 128474.	4.0	20
7	Redox-Active Monolayers Self-Assembled on Gold Electrodes" Effect of Their Structures on Electrochemical Parameters and DNA Sensing Ability. Molecules, 2020, 25, 607.	1.7	3
8	Redox-active Monolayers Deposited on Gold Electrode Surface" Universal Platforms for Electrochemical Sensing. Sensors and Materials, 2020, 32, 1065.	0.3	0
9	Electrochemical sensing of sulfate in aqueous solution with a cyclopeptide-dipyromethene-Cu(II) or Co(II) complex attached to a gold electrode. Sensors and Actuators B: Chemical, 2019, 285, 536-545.	4.0	12
10	Copper nanoclusters: an efficient fluorescence sensing platform for quinoline yellow. Luminescence, 2019, 34, 243-248.	1.5	20
11	Ultrasensitive electrochemical genosensor for direct detection of specific RNA sequences derived from avian influenza viruses present in biological samples. Acta Biochimica Polonica, 2019, 66, 299-304.	0.3	6
12	Ion-channel mimetic sensor incorporating an anion-binding cyclopeptide designed for sulfate determination in dilute aqueous solutions. Journal of Electroanalytical Chemistry, 2018, 812, 249-257.	1.9	8
13	Highly sensitive electrochemical biosensor based on redox - active monolayer for detection of anti-hemagglutinin antibodies against swine-origin influenza virus H1N1 in sera of vaccinated mice. BMC Veterinary Research, 2018, 14, 328.	0.7	24
14	Approaching single DNA molecule detection with an ultrasensitive electrochemical genosensor based on gold nanoparticles and cobalt-porphyrin DNA conjugates. Chemical Communications, 2018, 54, 11108-11111.	2.2	24
15	Highly Sensitive Electrochemical Sensor for the Detection of Anions in Water Based on a Redox-Active Monolayer Incorporating an Anion Receptor. Analytical Chemistry, 2017, 89, 12756-12763.	3.2	20
16	Gold Electrodes Modified with Calix[4]arene for Electrochemical Determination of Dopamine in the Presence of Selected Neurotransmitters. Sensors, 2017, 17, 1368.	2.1	11
17	Electrochemical Biosensor for the Detection of Glycated Albumin. Current Alzheimer Research, 2017, 14, 345-351.	0.7	5
18	An electrochemical immunosensor based on a 4,4'-thiobisbenzenethiol self-assembled monolayer for the detection of hemagglutinin from avian influenza virus H5N1. Sensors and Actuators B: Chemical, 2016, 228, 25-30.	4.0	40

#	ARTICLE	IF	CITATIONS
19	Voltammetric detection of the S100B protein using His-tagged RAGE domain immobilized onto a gold electrode modified with a dipyrromethene-Cu(II) complex and different diluents. <i>Journal of Electroanalytical Chemistry</i> , 2016, 767, 76-83.	1.9	10
20	Exploring of protein-protein interactions at the solid-aqueous interface by means of contact angle measurements. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 558-564.	2.5	5
21	Electrochemical genosensor based on disc and screen printed gold electrodes for detection of specific DNA and RNA sequences derived from Avian Influenza Virus H5N1. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 290-297.	4.0	61
22	Oligonucleotides in Sensing and Diagnostic Applications. , 2015, , 137-246.		0
23	Calix[4]arene derivatives as dopamine hosts in electrochemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 111-121.	4.0	42
24	A biosensor based on electroactive dipyrromethene-Cu(II) layer deposited onto gold electrodes for the detection of antibodies against avian influenza virus type H5N1 in hen sera. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7807-7814.	1.9	18
25	Electrochemical Label-free and Reagentless Genosensor Based on an Ion Barrier Switch-off System for DNA Sequence-Specific Detection of the Avian Influenza Virus. <i>Analytical Chemistry</i> , 2015, 87, 9702-9709.	3.2	32
26	New redox-active layer create via epoxy-amine reaction-The base of genosensor for the detection of specific DNA and RNA sequences of avian influenza virus H5N1. <i>Biosensors and Bioelectronics</i> , 2015, 65, 427-434.	5.3	17
27	Voltammetric Detection of S100B Protein Using His-Tagged Receptor Domains for Advanced Glycation End Products (RAGE) Immobilized onto a Gold Electrode Surface. <i>Sensors</i> , 2014, 14, 10650-10663.	2.1	15
28	An Immunosensor Based on Antibody Binding Fragments Attached to Gold Nanoparticles for the Detection of Peptides Derived from Avian Influenza Hemagglutinin H5. <i>Sensors</i> , 2014, 14, 15714-15728.	2.1	44
29	Nitrilotriacetic Acid-Copper(II) Monolayer Deposited on a Gold Electrode for the Immobilization of Histidine Tagged V Domain of Receptor for Advanced Glycation End Products-The Basis of Amyloid-Beta Peptide Sensing. <i>Analytical Letters</i> , 2014, 47, 1375-1391.	1.0	6
30	Ion-Channel Genosensor for the Detection of Specific DNA Sequences Derived from Plum Pox Virus in Plant Extracts. <i>Sensors</i> , 2014, 14, 18611-18624.	2.1	28
31	DNA probe modified with 3-iron bis(dicarbollide) for electrochemical determination of DNA sequence of Avian Influenza Virus H5N1. <i>Biosensors and Bioelectronics</i> , 2014, 51, 170-176.	5.3	43
32	Electrochemical immunosensor for detection of antibodies against influenza A virus H5N1 in hen serum. <i>Biosensors and Bioelectronics</i> , 2014, 55, 301-306.	5.3	69
33	A highly sensitive electrochemical genosensor based on Co-porphyrin-labelled DNA. <i>Chemical Communications</i> , 2014, 50, 4196-4199.	2.2	54
34	Immobilization of His-tagged kinase JAK2 onto the surface of a plasmon resonance gold disc modified with different copper (II) complexes. <i>Talanta</i> , 2014, 130, 336-341.	2.9	10
35	Pentetic acid (DPTA) Cu(II) monolayer deposited on gold electrode-The base of biosensors for electrochemical screening of kinase JAK2 and potential inhibitor interactions. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 223-230.	4.0	5
36	Polish Vaccine Consortium-a new national player in the influenza research.. <i>Acta Biochimica Polonica</i> , 2014, 61, .	0.3	0

#	ARTICLE	IF	CITATIONS
37	Oriented immobilization of His-tagged kinase RIO1 protein on redox active N-(IDA-like)-Cu(II) monolayer deposited on gold electrode – The base of electrochemical biosensor. <i>Electrochimica Acta</i> , 2013, 96, 147-154.	2.6	18
38	Single Electrode Genosensor for Simultaneous Determination of Sequences Encoding Hemagglutinin and Neuraminidase of Avian Influenza Virus Type H5N1. <i>Analytical Chemistry</i> , 2013, 85, 10167-10173.	3.2	47
39	Oriented Immobilization of His-Tagged Protein on a Redox Active Thiol Derivative of DPTA-Cu(II) Layer Deposited on a Gold Electrode – The Base of Electrochemical Biosensors. <i>Sensors</i> , 2013, 13, 11586-11602.	2.1	21
40	Redox Active Dipyrromethene- $\gamma$ -Cu(II) Monolayer for Oriented Immobilization of His-Tagged RAGE Domains – the Base of Electrochemical Biosensor for Determination of $\text{Al}^{2+}$ . <i>Electroanalysis</i> , 2013, 25, 1185-1193.	1.5	14
41	Detection of Prunus Necrotic Ringspot Virus in Plant Extracts with Impedimetric Immunosensor based on Glassy Carbon Electrode. <i>Electroanalysis</i> , 2013, 25, 433-438.	1.5	29
42	Electrochemical Detection of Avian Influenza Virus Genotype Using Amino-ssDNA Probe Modified Gold Electrodes. <i>Electroanalysis</i> , 2013, 25, 1871-1878.	1.5	18
43	Electrochemical Sensors and Biosensors Based on Self-Assembled Monolayers: Application of Nanoparticles for Analytical Signals Amplification. <i>ACS Symposium Series</i> , 2012, , 293-312.	0.5	5
44	Voltammetric Detection of a Specific DNA Sequence of Avian Influenza Virus H5N1 Using HS-ssDNA Probe Deposited onto Gold Electrode. <i>Electroanalysis</i> , 2012, 24, 439-446.	1.5	39
45	Determination of the surface acidity of a free-base corrole in a self-assembled monolayer. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 71, 499-505.	1.6	6
46	Impedimetric Immunosensor for Detection of Plum Pox Virus in Plant Extracts. <i>Electroanalysis</i> , 2011, 23, 2197-2204.	1.5	47
47	Surface Plasmon Resonance Based Biosensors for Exploring the Influence of Alkaloids on Aggregation of Amyloid- $\beta$ Peptide. <i>Sensors</i> , 2011, 11, 4030-4042.	2.1	21
48	Immunosensor Incorporating Anti-His (C-term) IgG F(ab <sup>2</sup> ) Fragments Attached to Gold Nanorods for Detection of His-Tagged Proteins in Culture Medium. <i>Sensors</i> , 2010, 10, 5409-5424.	2.1	21
49	Association Constants of Pyridine and Piperidine Alkaloids to Amyloid $\beta$ Peptide Determined by Electrochemical Impedance Spectroscopy. <i>Current Alzheimer Research</i> , 2010, 7, 165-172.	0.7	28
50	Systematic study of interaction of the neutral form of anilines with undecylcalix[4]resorcinarene derivatives by means of potentiometry. <i>Supramolecular Chemistry</i> , 2010, 22, 413-419.	1.5	6
51	Electrochemical biosensors for food analysis. <i>Monatshefte für Chemie</i> , 2009, 140, 891-899.	0.9	89
52	Electrochemical biosensor for pesticides based on acetylcholinesterase immobilized on polyaniline deposited on vertically assembled carbon nanotubes wrapped with ssDNA. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2772-2777.	5.3	258
53	Single molecular switch based on thiol tethered iron(II)clathrochelate on gold. <i>Electrochimica Acta</i> , 2009, 54, 5431-5438.	2.6	26
54	Determination of interaction strength between corrole and phenol derivatives in aqueous media using atomic force microscopy. <i>Supramolecular Chemistry</i> , 2009, 21, 555-563.	1.5	3

#	ARTICLE	IF	CITATIONS
55	Iron (III) porphyrin bearing 2,6-di-tert-butylphenol pendants deposited onto gold electrodes for amperometric determination of l-histidine. <i>Talanta</i> , 2009, 78, 126-131.	2.9	30
56	Gold Electrode Incorporating Corrole as an Ion-Channel Mimetic Sensor for Determination of Dopamine. <i>Analytical Chemistry</i> , 2009, 81, 7397-7405.	3.2	55
57	Tetralactam-modified gold electrodes for amperometric detection of acrylic acid. <i>Supramolecular Chemistry</i> , 2009, 21, 520-531.	1.5	6
58	PVC Supported Liquid Membrane and Carbon Paste Potentiometric Sensors Incorporating a Mn(III)â€Porphyrin for the Direct Determination of Undissociated Paracetamol. <i>Electroanalysis</i> , 2008, 20, 2009-2015.	1.5	15
59	Electroactive Dipyrrrometheneâ€Cu(II) Monolayers Deposited onto Gold Electrodes for Voltammetric Determination of Paracetamol. <i>Electroanalysis</i> , 2008, 20, 2317-2323.	1.5	47
60	Dipyrrrometheneâ€dodecanethiol self-assembled monolayers deposited onto gold electrodes. <i>Electrochimica Acta</i> , 2008, 53, 7932-7940.	2.6	18
61	Comparison of electrochemical immunosensors based on gold nano materials and immunoblot techniques for detection of histidine-tagged proteins in culture medium. <i>Biosensors and Bioelectronics</i> , 2008, 24, 284-289.	5.3	44
62	Electroactive Dipyrrrometheneâ~Cu(II) Self-Assembled Monolayers: Complexation Reaction on the Surface of Gold Electrodes. <i>Langmuir</i> , 2008, 24, 11239-11245.	1.6	30
63	Fabrication of Potentiometric Sensors for the Selective Determination of Ketoconazole. <i>Analytical Letters</i> , 2008, 41, 1144-1157.	1.0	10
64	A Voltammetric Biosensor Based on Glassy Carbon Electrodes Modified with Single-Walled Carbon Nanotubes/Hemoglobin for Detection of Acrylamide in Water Extracts from Potato Crisps. <i>Sensors</i> , 2008, 8, 5832-5844.	2.1	45
65	Electrochemical impedance spectroscopy for the study of juvenile hormones - recombinant protein interactions. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2866.	3.0	3
66	Polymeric Liquid Membrane Electrodes Incorporated with Undecylcalix[4]-Resorcinarene for Screening of Neutral Forms of Diaminobenzene Isomers. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 604-610.	0.6	3
67	Salicylate Determination in Human Plasma by ISEs Incorporating Mn(III)â€Porphyrine and Zn(II)â€Dipyrrromethene. <i>Analytical Letters</i> , 2007, 40, 387-401.	1.0	6
68	Potentiometric Responses of Ion-Selective Electrodes Doped with Diureidocalix[4]arene towards Un-dissociated Benzoic Acid. <i>Sensors</i> , 2007, 7, 1655-1666.	2.1	6
69	Piezoelectric Sensor for Determination of Genetically Modified Soybean Roundup Ready (R) in Samples not Amplified by PCR. <i>Sensors</i> , 2007, 7, 1462-1479.	2.1	50
70	Novel voltammetric biosensor for determining acrylamide in food samples. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2165-2170.	5.3	65
71	Electrochemical impedance spectroscopy for study of amyloid Î²-peptide interactions with (â~) nicotine ditartrate and (â~) cotinine. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1955-1960.	5.3	95
72	Ferrocene-substituted calix[4]pyrrole modified carbon paste electrodes for anion detection in water. <i>Journal of Electroanalytical Chemistry</i> , 2006, 591, 223-228.	1.9	37

#	ARTICLE	IF	CITATIONS
73	Interface Host?Guest Interaction Between Calix[4]pyrrole and Neutral Derivatives of Phenol as the Base for Their Potentiometric Discrimination. <i>Electroanalysis</i> , 2004, 16, 2073-2081.	1.5	17
74	Recognition of Monohydrogen Anions of Geometrical and Positional Isomers of Dicarboxylic Acids Based on Polymeric Liquid Membranes Incorporating Polyamine Host. <i>Electroanalysis</i> , 2003, 15, 294-302.	1.5	9
75	Potentiometric response of amino-calix[4]resorcinarenes modified membranes towards neutral nitrophenols. <i>Sensors and Actuators B: Chemical</i> , 2003, 89, 217-224.	4.0	7
76	Potentiometric Response of Liquid Membrane Electrode Incorporated with Macrocyclic Polyamine Towards Benzoate. <i>Analytical Letters</i> , 2003, 36, 1325-1334.	1.0	9
77	POTENTIOMETRIC DISCRIMINATION OF FLUORO- AND CHLOROPHENOL ISOMERS BASED ON THE HOST FUNCTIONALITY OF CALIX[4]PYRROLE AT LIQUID MEMBRANE SURFACES. <i>Analytical Letters</i> , 2002, 35, 1895-1906.	1.0	3
78	Optimum Concentration of Anionic Sites in Lipophilic Macrocyclic Pentaamine-Based Liquid Membranes for Potentiometric Responses to Anionic Analytes. <i>Analytical Sciences</i> , 2001, 17, 1221-1224.	0.8	3
79	APPLICATION OF LIPOSOMES TOGETHER WITH THIN LAYER POTENTIOMETRY FOR DETECTION OF ODORANT COMPOUNDS INTERACTION WITH LIPID LAYER. <i>Analytical Letters</i> , 2001, 34, 2005-2018.	1.0	1
80	Electrochemical impedance measurements for the investigation of odorants interaction with thiol layer immobilized onto gold electrode. <i>Sensors and Actuators B: Chemical</i> , 2001, 75, 95-100.	4.0	12
81	Methoxy-substituted derivatives of 1,4-bis(2-phenylethynyl)benzene and of 1,4-bis(2-phenylethyl)benzene as ligands in ion-selective electrodes for lead ions. <i>Materials Science and Engineering C</i> , 2001, 18, 171-176.	3.8	7
82	Effect of the symmetry of the calix[4]pyrrole cavity on sensitivity and selectivity of potentiometric sensors for neutral nitrophenols. <i>Materials Science and Engineering C</i> , 2001, 18, 223-228.	3.8	8
83	Potentiometric Response of Calix[4]pyrrole Liquid Membrane Electrode Towards Neutral Nitrophenols. <i>Electroanalysis</i> , 2001, 13, 342-346.	1.5	18
84	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001, 41, 129-134.	1.6	2
85	Fullerene modified supported lipid membrane as sensitive element of sensor for odorants. <i>Biosensors and Bioelectronics</i> , 2001, 16, 911-915.	5.3	40
86	Influence of Substituents in Nitrogen Atoms in Macrocyclic Polyamine Incorporated into Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Electroanalysis</i> , 2000, 12, 1397-1402.	1.5	12
87	Contribution of membrane surface charge in the interaction of lead and tin derivatives with model lipid membrane. <i>Chemosphere</i> , 2000, 40, 327-330.	4.2	17
88	Polymeric Liquid Membrane Electrodes Incorporated with Macrocyclic Hexaamines for Screening Adenine Nucleotides. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2000, 3, 509-517.	0.6	11
89	A method for evaluating chemical selectivity of agonists for glutamate receptor channels incorporated in liposomes based on an agonist-induced ion flux measured by ion-selective electrodes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 19, 205-216.	1.4	10
90	Interaction of organic derivatives of tin (IV) and lead (IV) with model lipid membranes. <i>Science of the Total Environment</i> , 1999, 234, 147-153.	3.9	22

#	ARTICLE	IF	CITATIONS
91	Application of Thiocrown Ethers as Ligands for Lead-Selective Electrodes.. Analytical Sciences, 1999, 15, 1109-1114.	0.8	9
92	On the Mechanism of Unexpected Potentiometric Response to Neutral Phenols by Liquid Membranes Based on Quaternary Ammonium Salts Systematic Experimental and Theoretical Approaches. Journal of the American Chemical Society, 1998, 120, 3049-3059.	6.6	57
93	Immunobiosensors Based on Ion-Selective Electrodes. , 1998, , 149-160.		2
94	Ion-Selective Liquid Membrane Electrode for Discrimination of Alkyllead Derivatives and Inorganic Lead Ions.. Analytical Sciences, 1998, 14, 151-155.	0.8	6
95	A Variety of Lipophilic Amines Incorporated in Liquid Membranes Exhibit Potentiometric Responses to Neutral Phenols.. Analytical Sciences, 1998, 14, 89-98.	0.8	29
96	Potentiometric determination of selective interaction of odorants on black lipid membranes. Sensors and Actuators B: Chemical, 1997, 42, 145-148.	4.0	4
97	Chemical sensing based on membrane potential change induced by host-guest complexation at a membrane surface1. Supramolecular Chemistry, 1994, 4, 101-113.	1.5	29
98	Potentiometric discrimination between planar and octahedral anionic metal cyano complexes by liquid membrane electrodes based on lipophilic macrocyclic dioxopolyamines. Electroanalysis, 1993, 5, 731-738.	1.5	21
99	Electrochemical Sensors for Detections of Influenza Viruses: Fundamentals and Applications. , 0, , .		3