

# Vlastimil Vyskočil

## List of Publications by Year in descending order

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77  
papers

1,690  
citations

257101

24  
h-index

329751

37  
g-index

78  
all docs

78  
docs citations

78  
times ranked

1485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of two pyrolytic graphite representatives in the construction of hybrid electrochemical DNA biosensors for monitoring DNA damage. <i>Journal of Electroanalytical Chemistry</i> , 2022, 908, 116095.	1.9	2
2	Application of silver solid amalgam electrodes in electrochemical detection of DNA damage. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5435-5444.	1.9	3
3	New strategy in electrochemical investigation of DNA damage demonstrated on genotoxic derivatives of fluorene. <i>Journal of Electroanalytical Chemistry</i> , 2022, , 116430.	1.9	1
4	A copper nanoparticle-based electrochemical immunosensor for carbaryl detection. <i>Talanta</i> , 2021, 228, 122174.	2.9	26
5	A Laser Reduced Graphene Oxide Grid Electrode for the Voltammetric Determination of Carbaryl. <i>Molecules</i> , 2021, 26, 5050.	1.7	16
6	Adsorptive stripping voltammetric determination of carbofuran in herbs on chromatographic sorbent modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021, 900, 115692.	1.9	12
7	Doxorubicin determination using two novel voltammetric approaches: A comparative study. <i>Electrochimica Acta</i> , 2020, 330, 135180.	2.6	23
8	Anodic differential pulse voltammetric determination of 2-nitrophenol at a non-traditional carbon film composite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114510.	1.9	1
9	Label-Free Electrochemical Biosensors for the Determination of Flaviviruses: Dengue, Zika, and Japanese Encephalitis. <i>Sensors</i> , 2020, 20, 4600.	2.1	27
10	Electrochemical immunoassay for the detection of antibodies to tick-borne encephalitis virus by using various types of bioconjugates based on silver nanoparticles. <i>Bioelectrochemistry</i> , 2020, 135, 107576.	2.4	22
11	Simultaneous voltammetric determination of Brilliant Blue FCF and Tartrazine for food quality control. <i>Talanta</i> , 2020, 218, 121136.	2.9	45
12	A new electroanalytical methodology for the determination of formaldehyde in wood-based products. <i>Talanta</i> , 2020, 217, 121068.	2.9	12
13	Batch Injection Analysis with Amperometric Detection for DNA Biosensing Applications. <i>Electroanalysis</i> , 2019, 31, 2001-2006.	1.5	6
14	Determination of tumour biomarkers homovanillic and vanillylmandelic acid using flow injection analysis with amperometric detection at a boron doped diamond electrode. <i>Analytica Chimica Acta</i> , 2019, 1087, 44-50.	2.6	20
15	The role of 3,4-dihydroxyphenylacetic acid adsorption in the oxidation of homovanillic acid at a glassy carbon rotating disc electrode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 838, 129-135.	1.9	7
16	Preparation and Investigation of Silver Nanoparticle-antibody Bioconjugates for Electrochemical Immunoassay of Tick-Borne Encephalitis. <i>Sensors</i> , 2019, 19, 2103.	2.1	27
17	Determination of three Tumor Biomarkers (Homovanillic Acid, Vanillylmandelic Acid, and Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Electroanalysis, 2019, 31, 303-308.	1.5	16
18	Model Biological Membranes and Possibilities of Application of Electrochemical Impedance Spectroscopy for their Characterization. <i>Electroanalysis</i> , 2018, 30, 207-219.	1.5	13

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19	Miniaturized voltammetric cell for cathodic voltammetry making use of an agar membrane. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 47-52.	1.9	7
20	Behaviour and detection of acridine-type DNA intercalators in urine using an electrochemical DNA-based biosensor with the protective polyvinyl alcohol membrane. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 87-91.	1.9	9
21	Fabrication of Structured Boron-Doped Diamond Films for Electrochemical Applications. <i>Proceedings (mdpi)</i> , 2018, 2, 984.	0.2	0
22	Detection and imaging of reactive oxygen species associated with the electrochemical oxygen evolution by hydrodynamic scanning electrochemical microscopy. <i>Electrochimica Acta</i> , 2018, 281, 494-501.	2.6	14
23	Electrochemical DNA biosensor for detection of DNA damage induced by hydroxyl radicals. <i>Bioelectrochemistry</i> , 2017, 116, 1-9.	2.4	56
24	Voltammetric determination of trace amounts of diacetyl at a mercury meniscus modified silver solid amalgam electrode following gas-diffusion microextraction. <i>Talanta</i> , 2017, 169, 203-208.	2.9	14
25	Voltammetric determination of sodium anthraquinone-2-sulfonate using silver solid amalgam electrodes. <i>Monatshefte für Chemie</i> , 2017, 148, 577-583.	0.9	6
26	Determination of 2,4,6-Trinitrophenol by Differential Pulse Voltammetry at a Bismuth Bulk Working Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, H316-H320.	1.3	9
27	Electrochemical sensing of total sulphites in beer using non-modified screen-printed carbon electrodes. <i>Journal of the Institute of Brewing</i> , 2017, 123, 45-48.	0.8	20
28	Voltammetric Determination of Tumor Biomarkers for Neuroblastoma (Homovanillic Acid,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td Electroanalysis, 2017, 29, 146-153.	1.5	25
29	Novel Electrochemical DNA Biosensors as Tools for Investigation and Detection of DNA Damage. <i>Bioanalytical Reviews</i> , 2016, , 203-221.	0.1	2
30	Investigation of Voltammetric Behaviour of Insecticide Chlorpyrifos on a Mercury Meniscus Modified Silver Solid Amalgam Electrode. <i>Electrochimica Acta</i> , 2016, 216, 510-516.	2.6	28
31	Recent Applications of Mercury Electrodes for Monitoring of Pesticides: A Critical Review. <i>Electroanalysis</i> , 2016, 28, 2659-2671.	1.5	37
32	Ferrocene Aryl Derivatives for the Redox Tagging of Graphene Nanoplatelets. <i>Electroanalysis</i> , 2016, 28, 197-202.	1.5	13
33	Voltammetry at a Hanging Mercury Drop Electrode as a Tool for the Study of the Interaction of Double-stranded DNA with Genotoxic 4-Nitrobiphenyl. <i>Electroanalysis</i> , 2016, 28, 2760-2770.	1.5	6
34	Polarographic and voltammetric determination of genotoxic 4-nitroindane at mercury electrodes. <i>Monatshefte für Chemie</i> , 2016, 147, 143-151.	0.9	1
35	Interaction study of methyl violet 2B with DNA and voltammetric determination of DNA in aqueous solutions. <i>Monatshefte für Chemie</i> , 2016, 147, 119-126.	0.9	6
36	Voltammetric determination of fenitrothion and study of its interaction with DNA at a mercury meniscus modified silver solid amalgam electrode. <i>Monatshefte für Chemie</i> , 2016, 147, 135-142.	0.9	7

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37	Recent progress in electrochemical sensors and assays for DNA damage and repair. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 160-167.	5.8	113
38	A miniaturized electrode system for voltammetric determination of electrochemically reducible environmental pollutants. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 263-270.	4.0	20
39	Free sulphite determination in wine using screen-printed carbon electrodes with prior gas-diffusion microextraction. <i>Electrochemistry Communications</i> , 2016, 63, 52-55.	2.3	37
40	Electrochemical study of 5-nitroquinoline using carbon film electrode and its determination in model samples of drinking and river water. <i>Monatshefte für Chemie</i> , 2016, 147, 153-158.	0.9	5
41	The Use of the Silver Solid Amalgam Electrode for Voltammetric Determination of 9-nitroanthracene. <i>Analytical Letters</i> , 2016, 49, 37-48.	1.0	5
42	Determination of Methyl Violet 2B using Polarographic and Voltammetric Methods at Mercury Electrodes. <i>Analytical Letters</i> , 2016, 49, 56-65.	1.0	9
43	Voltammetric Determination of 5-nitroindazole using a Bismuth Bulk Electrode. <i>Analytical Letters</i> , 2016, 49, 49-55.	1.0	10
44	Voltammetric Determination of Nitrofurantoin at a Mercury Meniscus Modified Silver Solid Amalgam Electrode. <i>Electroanalysis</i> , 2015, 27, 185-192.	1.5	27
45	Voltammetric Determination of 2-Aminofluoren-9-one and Investigation of Its Interaction with DNA on a Glassy Carbon Electrode. <i>Electroanalysis</i> , 2015, 27, 101-110.	1.5	21
46	Determination of 5-nitroindazole using silver solid amalgam electrode. <i>Monatshefte für Chemie</i> , 2015, 146, 761-769.	0.9	11
47	Voltammetric Determination of Insecticide Thiamethoxam on Silver Solid Amalgam Electrode. <i>Electrochimica Acta</i> , 2014, 140, 5-10.	2.6	25
48	DNA-based biosensors with external Nafion and chitosan membranes for the evaluation of the antioxidant activity of beer, coffee, and tea. <i>Open Chemistry</i> , 2014, 12, 604-611.	1.0	27
49	Voltammetric determination of 2-amino-6-nitrobenzothiazole and 5-nitrobenzimidazole using a silver solid amalgam electrode modified by a microcrystalline natural graphite-polystyrene composite film. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 237-242.	1.9	13
50	DNA/Electrode Interface, Detection of Damage to DNA Using DNA-Modified Electrodes. , 2014, , 346-350.		8
51	Differential pulse voltammetric determination of paracetamol in tablet and urine samples at a micro-crystalline natural graphite-polystyrene composite film modified electrode. <i>Electrochimica Acta</i> , 2013, 101, 238-242.	2.6	69
52	Voltammetric Determination of Trace Amounts of 2-Aminofluoren-9-one at a Mercury Meniscus Modified Silver Solid Amalgam Electrode. <i>Electroanalysis</i> , 2013, 25, 295-302.	1.5	10
53	Voltammetric Determination of Dinitronaphthalenes Using a Silver Solid Amalgam Paste Electrode. <i>Analytical Sciences</i> , 2012, 28, 411-415.	0.8	5
54	Voltammetric Determination of Carcinogenic Derivatives of Pyrene Using a Boron-Doped Diamond Film Electrode. <i>Analytical Letters</i> , 2012, 45, 449-459.	1.0	29

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55	Bismuth film electrode at a silver solid amalgam substrate as a new tool for voltammetric determination of electrochemically reducible organic compounds. <i>Talanta</i> , 2012, 102, 68-74.	2.9	21
56	Voltammetric DNA Biosensor Based on a Microcrystalline Natural Graphite-Polystyrene Composite Transducer. <i>Procedia Chemistry</i> , 2012, 6, 52-59.	0.7	6
57	Determination of 1-hydroxypyrene in human urine by HPLC with electrochemical detection at a boron-doped diamond film electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 693-699.	1.9	17
58	The Use of Silver Solid Amalgam Electrodes for Voltammetric and Amperometric Determination of Nitrated Polyaromatic Compounds Used as Markers of Incomplete Combustion. <i>Scientific World Journal</i> , The, 2012, 2012, 1-12.	0.8	20
59	Voltammetric and amperometric determination of selected dinitronaphthalenes using single crystal silver amalgam based sensors. <i>Electrochimica Acta</i> , 2012, 73, 23-30.	2.6	21
60	Voltammetric determination of 2-amino-6-nitrobenzothiazole at two different silver amalgam electrodes. <i>Electrochimica Acta</i> , 2012, 62, 335-340.	2.6	16
61	Evaluation of damage to DNA induced by UV-C radiation and chemical agents using electrochemical biosensor based on low molecular weight DNA and screen-printed carbon electrode. <i>Electrochimica Acta</i> , 2012, 71, 134-139.	2.6	58
62	Polarographic and voltammetric determination of genotoxic 2-aminofluoren-9-one at mercury electrodes. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1775-1790.	1.0	3
63	Polarographic and voltammetric determination of genotoxic nitro derivatives of quinoline using mercury electrodes. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1991-2004.	1.0	5
64	Voltammetric determination of 6-nitrobenzimidazole in the presence of surfactants. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1317-1325.	1.0	4
65	Crystalline silver amalgam – a novel electrode material. <i>Analyst</i> , The, 2011, 136, 3656.	1.7	37
66	Voltammetric Determination of Selected Nitro Compounds at a Polished Silver Solid Amalgam Composite Electrode. <i>Electroanalysis</i> , 2011, 23, 129-139.	1.5	55
67	Voltammetric Determination of 4-Nitrophenol and 5-Nitrobenzimidazole Using Different Types of Silver Solid Amalgam Electrodes – A Comparative Study. <i>Electroanalysis</i> , 2011, 23, 1548-1555.	1.5	23
68	A novel paste electrode based on a silver solid amalgam and an organic pasting liquid. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 218-222.	1.9	28
69	Electroanalysis of Nitro and Amino Derivatives of Polycyclic Aromatic Hydrocarbons. <i>Current Organic Chemistry</i> , 2011, 15, 3059-3076.	0.9	60
70	Voltammetric determination of flutamide and its metabolite 4-nitro-3-trifluoromethylaniline at a hanging mercury drop minielectrode. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1811-1823.	1.0	9
71	Voltammetric detection of damage to DNA caused by nitro derivatives of fluorene using an electrochemical DNA biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 233-241.	1.9	46
72	Voltammetric Determination of Genotoxic Nitro Derivatives of Fluorene and 9-Fluorenone Using a Mercury Meniscus Modified Silver Solid Amalgam Electrode. <i>Electroanalysis</i> , 2010, 22, 2034-2042.	1.5	25

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73	The Use of Silver Solid Amalgam Working Electrode for Determination of Nitrophenols by HPLC with Electrochemical Detection. <i>Electroanalysis</i> , 2009, 21, 303-308.	1.5	56
74	Polarographic and voltammetric determination of 6-nitrobenzimidazole and mechanism of its electrochemical reduction. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 1443-1454.	1.0	6
75	Mercury Electrodes—Possibilities and Limitations in Environmental Electroanalysis. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 173-188.	1.8	105
76	Polarographic and voltammetric study of genotoxic 2,7-dinitrofluoren-9-one and its determination using mercury electrodes. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 1675-1696.	1.0	16
77	Adsorptive Stripping Voltammetry of Environmental Carcinogens. <i>Current Analytical Chemistry</i> , 2008, 4, 242-249.	0.6	70