

Karel Lacina

List of Publications by Year in descending order

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27
papers

529
citations

933447

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642732

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27
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27
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Thick nanoporous matrices of polystyrene nanoparticles and their potential for electrochemical biosensing. <i>Electrochimica Acta</i> , 2021, 368, 137607.	5.2	4
2	Crucial factors governing the electrochemical impedance on protein-modified surfaces. <i>Electrochimica Acta</i> , 2021, 388, 138616.	5.2	9
3	Redox-dependent cytotoxicity of ferrocene derivatives and ROS-activated prodrugs based on ferrocenyliminoboronates. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111561.	3.5	6
4	Unexpected reactivity of ferrocenyl-iminoboronates: Breaking ortho-imine bonds by oxidation in the presence of non-aqueous sodium chloride. <i>Tetrahedron Letters</i> , 2020, 61, 151535.	1.4	1
5	Blocking the Nanopores in a Layer of Nonconductive Nanoparticles: Dominant Effects Therein and Challenges for Electrochemical Impedimetric Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14620-14628.	8.0	8
6	Elusive pK _a ™ of aminoferrocene determined with voltammetric methods in buffered and unbuffered systems and practical aspects of such experiments. <i>Electrochimica Acta</i> , 2019, 318, 534-541.	5.2	9
7	Voltammetric characterisation of diferrocenylborinic acid in organic solution and in aqueous media when immobilised into a titanate nanosheet film. <i>Dalton Transactions</i> , 2019, 48, 11200-11207.	3.3	2
8	Graphene Oxide from Improved Hummers's™ Method: Is This Material Suitable for Reproducible Electrochemical (Bio)Sensing?. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, M166-M171.	1.8	4
9	Electrochemically Facilitated Interaction of O ² Nucleophiles with Imine Group in Electroactive <i>ortho</i> -(Ferrocenylimino)methylphenylboronate and Comparison with Its Regioisomers. <i>ChemistrySelect</i> , 2018, 3, 9641-9647.	1.5	3
10	Biosensing based on electrochemical impedance spectroscopy: Influence of the often-ignored molecular charge. <i>Electrochemistry Communications</i> , 2018, 93, 183-186.	4.7	18
11	Boosting of the output voltage of a galvanic cell. <i>Electrochimica Acta</i> , 2018, 282, 331-335.	5.2	10
12	Reaction-based indicator displacement assay (RIA) for the colorimetric and fluorometric detection of hydrogen peroxide. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1058-1062.	4.5	25
13	Selective electrocatalysis of reduced graphene oxide towards hydrogen peroxide aiming oxidases-based biosensing: Caution while interpreting. <i>Electrochimica Acta</i> , 2017, 223, 1-7.	5.2	6
14	The synthesis and comparative characterization of three novel electroactive iminoboronates containing ferrocene. <i>Monatshefte für Chemie</i> , 2017, 148, 1953-1958.	1.8	5
15	Redox-Defined Electrochemical Measurements: Biamperometric Setup for Elimination of Interferent Effects and for Sensing of Unstable Redox Systems. <i>ChemElectroChem</i> , 2016, 3, 877-882.	3.4	8
16	Transistor Amplifier as an Electrochemical Transducer with Intuitive Optical Read-out: Improving Its Performance with Simple Electronic Solutions. <i>Electrochimica Acta</i> , 2016, 216, 147-151.	5.2	4
17	Various instrumental approaches for determination of organic acids in wines. <i>Food Chemistry</i> , 2016, 194, 432-440.	8.2	32
18	Reaction-based Indicator displacement Assay (RIA) for the selective colorimetric and fluorometric detection of peroxyxynitrite. <i>Chemical Science</i> , 2015, 6, 2963-2967.	7.4	84

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19	Bipolar transistor amplifier for transduction of electrochemical response to visual perception. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 183-189.	7.8	7
20	Ferrocene-Boronic Acid-Fructose Binding Based on Dual-Plate Generator-Collector Voltammetry and Square-Wave Voltammetry. <i>ChemElectroChem</i> , 2015, 2, 867-871.	3.4	6
21	Interaction of ferroceneboronic acid with diols at aqueous and non-aqueous conditions - signalling and binding abilities of an electrochemical probe for saccharides. <i>Electrochimica Acta</i> , 2015, 153, 280-286.	5.2	14
22	Boronic acids for sensing and other applications - a mini-review of papers published in 2013. <i>Chemistry Central Journal</i> , 2014, 8, 60.	2.6	96
23	Combining ferrocene, thiophene and a boronic acid: a hybrid ligand for reagentless electrochemical sensing of cis-diols. <i>Tetrahedron Letters</i> , 2014, 55, 3235-3238.	1.4	26
24	A novel approach to the uniform distribution of liquid in multi-channel (electrochemical) flow-through cells. <i>Analytica Chimica Acta</i> , 2012, 727, 41-46.	5.4	5
25	Ferroceneboronic acid for the electrochemical probing of interactions involving sugars. <i>Electrochimica Acta</i> , 2011, 56, 10246-10252.	5.2	29
26	Biosensor for determination of carboxylic acids in wines based on the inhibition of sarcosine oxidase. <i>Mikrochimica Acta</i> , 2010, 170, 251-256.	5.0	9
27	State of the Art in the Field of Electronic and Bioelectronic Tongues - Towards the Analysis of Wines. <i>Electroanalysis</i> , 2009, 21, 2509-2520.	2.9	99