

Martin HÄmmerle

List of Publications by Year in descending order

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papers

757
citations

567281

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22
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#	ARTICLE	IF	CITATIONS
1	Contributions of Pulsed Operation Along with Proper Choice of the Substrate for Stabilizing the Catalyst Performance in Electrochemical Reduction of CO ₂ Toward Ethylene in Gas Diffusion Electrode Based Flow Cell Reactors. <i>Energy Technology</i> , 2022, 10, .	3.8	3
2	Gas evolution in electrochemical flow cell reactors induces resistance gradients with consequences for the positioning of the reference electrode. <i>RSC Advances</i> , 2021, 11, 28189-28197.	3.6	1
3	Pulsed potential electrochemical CO ₂ reduction for enhanced stability and catalyst reactivation of copper electrodes. <i>Electrochemistry Communications</i> , 2020, 121, 106861.	4.7	30
4	Operando Determination of the Thermal Decomposition of Supported Ionic Liquids by a Radio-Frequency-Based Method. <i>ACS Omega</i> , 2019, 4, 3351-3360.	3.5	1
5	On the Electrochemical CO ₂ Reduction at Copper Sheet Electrodes with Enhanced Long-Term Stability by Pulsed Electrolysis. <i>Journal of the Electrochemical Society</i> , 2018, 165, J3059-J3068.	2.9	53
6	Towards an Electrochemical Immunosensor System with Temperature Control for Cytokine Detection. <i>Sensors</i> , 2018, 18, 1309.	3.8	6
7	Radio frequency- and impedance-based sensing of ionic liquids supported on porous carriers and their limitations. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1564-1571.	7.8	3
8	Improvement of the selectivity of the electrochemical conversion of CO ₂ to hydrocarbons using cupreous electrodes with in-situ oxidation by oxygen. <i>Electrochimica Acta</i> , 2017, 224, 642-648.	5.2	37
9	Radio Frequency-Based In Situ Determination of the Mass Loss of Supported Ionic Liquids. <i>Chemical Engineering and Technology</i> , 2017, 40, 1660-1665.	1.5	5
10	Amperometric enzyme electrodes for the determination of volatile alcohols in the headspace above fruit and vegetable juices. <i>Mikrochimica Acta</i> , 2012, 179, 115-121.	5.0	9
11	Analysis of volatile alcohols in apple juices by an electrochemical biosensor measuring in the headspace above the liquid. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 313-318.	7.8	27
12	Direct monitoring of organic vapours with amperometric enzyme gas sensors. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1521-1525.	10.1	23
13	Amperometric Enzyme-Based Biosensor for Direct Detection of Formaldehyde in the Gas Phase: Dependence on Electrolyte Composition. <i>Electroanalysis</i> , 2008, 20, 410-417.	2.9	26
14	Gas Diffusion Electrodes for Use in an Amperometric Enzyme Biosensor. <i>Electroanalysis</i> , 2008, 20, 2279-2286.	2.9	20
15	Amperometric Enzyme-based Gas Sensor for Formaldehyde: Impact of Possible Interferences. <i>Sensors</i> , 2008, 8, 1351-1365.	3.8	20
16	Electrochemical enzyme sensor for formaldehyde operating in the gas phase. <i>Biosensors and Bioelectronics</i> , 1996, 11, 239-246.	10.1	77
17	Determination of xylose and glucose in a flow-injection system with PQQ-dependent aldose dehydrogenase. <i>Analytica Chimica Acta</i> , 1993, 280, 119-127.	5.4	22
18	Selectivity of conducting polymer electrodes and their application in flow injection analysis of amino acids. <i>Biosensors and Bioelectronics</i> , 1993, 8, 65-74.	10.1	22

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19	High current density "wired" quinoprotein glucose dehydrogenase electrode. Analytical Chemistry, 1993, 65, 238-241.	6.5	178
20	Amperometric polypyrrole enzyme electrodes: effect of permeability and enzyme location. Sensors and Actuators B: Chemical, 1992, 6, 106-112.	7.8	70
21	Electrocatalytic properties of polypyrrole in amperometric electrodes. Biosensors and Bioelectronics, 1991, 6, 689-697.	10.1	51
22	The Mechanism of the Diels-Alder Reaction: Chromacyclobutenes by Alkyne-Carbene Coupling?. Angewandte Chemie International Edition in English, 1989, 28, 908-910.	4.4	73