Martin HÃ¤mmerle

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10239939/publications.pdf

Version: 2024-02-01

22	757	567281 15	677142 22
papers	citations	h-index	g-index

22	22	22	750
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High current density "wired" quinoprotein glucose dehydrogenase electrode. Analytical Chemistry, 1993, 65, 238-241.	6.5	178
2	Electrochemical enzyme sensor for formaldehyde operating in the gas phase. Biosensors and Bioelectronics, 1996, 11, 239-246.	10.1	77
3	The Mechanism of the DÃ¶tz Reaction: Chromacyclobutenes by Alkyneâ€“Carbene Coupling?. Angewandte Chemie International Edition in English, 1989, 28, 908-910.	4.4	73
4	Amperometric polypyrrole enzyme electrodes: effect of permeability and enzyme location. Sensors and Actuators B: Chemical, 1992, 6, 106-112.	7.8	70
5	On the Electrochemical CO₂Reduction at Copper Sheet Electrodes with Enhanced Long-Term Stability by Pulsed Electrolysis. Journal of the Electrochemical Society, 2018, 165, J3059-J3068.	2.9	53
6	Electrocatalytic properties of polypyrrole in amperometric electrodes. Biosensors and Bioelectronics, 1991, 6, 689-697.	10.1	51
7	Improvement of the selectivity of the electrochemical conversion of CO2 to hydrocarbons using cupreous electrodes with in-situ oxidation by oxygen. Electrochimica Acta, 2017, 224, 642-648.	5.2	37
8	Pulsed potential electrochemical CO2 reduction for enhanced stability and catalyst reactivation of copper electrodes. Electrochemistry Communications, 2020, 121, 106861.	4.7	30
9	Analysis of volatile alcohols in apple juices by an electrochemical biosensor measuring in the headspace above the liquid. Sensors and Actuators B: Chemical, 2011, 158, 313-318.	7.8	27
10	Amperometric Enzymeâ€Based Biosensor for Direct Detection of Formaldehyde in the Gas Phase: Dependence on Electrolyte Composition. Electroanalysis, 2008, 20, 410-417.	2.9	26
11	Direct monitoring of organic vapours with amperometric enzyme gas sensors. Biosensors and Bioelectronics, 2010, 25, 1521-1525.	10.1	23
12	Determination of xylose and glucose in a flow-injection system with PQQ-dependent aldose dehydrogenase. Analytica Chimica Acta, 1993, 280, 119-127.	5.4	22
13	Selectivity of conducting polymer electrodes and their application in flow injection analysis of amino acids. Biosensors and Bioelectronics, 1993, 8, 65-74.	10.1	22
14	Gas Diffusion Electrodes for Use in an Amperometric Enzyme Biosensor. Electroanalysis, 2008, 20, 2279-2286.	2.9	20
15	Amperometric Enzyme-based Gas Sensor for Formaldehyde: Impact of Possible Interferences. Sensors, 2008, 8, 1351-1365.	3.8	20
16	Amperometric enzyme electrodes for the determination of volatile alcohols in the headspace above fruit and vegetable juices. Mikrochimica Acta, 2012, 179, 115-121.	5.0	9
17	Towards an Electrochemical Immunosensor System with Temperature Control for Cytokine Detection. Sensors, 2018, 18, 1309.	3.8	6
18	Radio Frequencyâ€Based In Situ Determination of the Mass Loss of Supported Ionic Liquids. Chemical Engineering and Technology, 2017, 40, 1660-1665.	1.5	5

#	Article	IF	Citations
19	Radio frequency- and impedance-based sensing of ionic liquids supported on porous carriers and their limitations. Sensors and Actuators B: Chemical, 2018, 273, 1564-1571.	7.8	3
20	Contributions of Pulsed Operation Along with Proper Choice of the Substrate for Stabilizing the Catalyst Performance in Electrochemical Reduction of CO₂ Toward Ethylene in Gas Diffusion Electrode Based Flow Cell Reactors. Energy Technology, 2022, 10, .	3.8	3
21	Operando Determination of the Thermal Decomposition of Supported Ionic Liquids by a Radio-Frequency-Based Method. ACS Omega, 2019, 4, 3351-3360.	3.5	1
22	Gas evolution in electrochemical flow cell reactors induces resistance gradients with consequences for the positioning of the reference electrode. RSC Advances, 2021, 11, 28189-28197.	3.6	1