

Christoph Kleber

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

432
citations

687363

13
h-index

752698

20
g-index

26
all docs

26
docs citations

26
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Olfactory Sensor Based on <i>A. mellifera</i> Odorant-Binding Protein on a Reduced Graphene Oxide Field-Effect Transistor. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13245-13248.	13.8	77
2	Loss of Olfactory Function—Early Indicator for Covid-19, Other Viral Infections and Neurodegenerative Disorders. <i>Frontiers in Neurology</i> , 2020, 11, 569333.	2.4	42
3	Fine discrimination of volatile compounds by graphene-immobilized odorant-binding proteins. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 564-572.	7.8	41
4	Electronic biosensing with flexible organic transistor devices. <i>Flexible and Printed Electronics</i> , 2018, 3, 034003.	2.7	26
5	Controlled covalent functionalization of a graphene-channel of a field effect transistor as an ideal platform for (bio)sensing applications. <i>Nanoscale Horizons</i> , 2021, 6, 819-829.	8.0	24
6	Highly performing graphene-based field effect transistor for the differentiation between mild-moderate-severe myocardial injury. <i>Nano Today</i> , 2022, 43, 101391.	11.9	24
7	Ion selective electrodes for protonable nitrogen containing analytes: Metallocarboranes as active membrane components. <i>Electrochimica Acta</i> , 2013, 113, 94-98.	5.2	22
8	Enhanced oxygen evolution and reduction reactions of porous ternary NiCoFe foam electrodes prepared by dynamic hydrogen template deposition. <i>Nano Energy</i> , 2013, 2, 523-529.	16.0	19
9	Influence of increasing zinc contents in brass in the early stages of corrosion investigated by in-situ TM-AFM and SIMS. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 338-343.	3.7	15
10	Functionalizing Aluminum Oxide by Ag Dendrite Deposition at the Anode during Simultaneous Electrochemical Oxidation of Al. <i>Advanced Materials</i> , 2015, 27, 6438-6443.	21.0	15
11	The corrosion process of sterling silver exposed to a Na ₂ S solution: monitoring and characterizing the complex surface evolution using a multi-analytical approach. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	15
12	Immunoassay and amperometric biosensor approaches for the detection of deltamethrin in seawater. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5923-5930.	3.7	15
13	Preparation of CoNi high surface area porous foams by substrate controlled electrodeposition. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 972-980.	2.8	14
14	Development and Optimization of an Ion-selective Electrode for Serotonin Detection. <i>Electroanalysis</i> , 2017, 29, 1635-1642.	2.9	12
15	Anodization Behavior of Glassy Metallic Hafnium Thin Films. <i>Journal of the Electrochemical Society</i> , 2015, 162, E30-E36.	2.9	11
16	SIMS and TM-AFM Studies on Weathered Cu, Zn, and Brass (CuZn ₁₀ , CuZn ₃₀) Surfaces. <i>Instrumentation Science and Technology</i> , 2003, 21, 49-62.	0.8	10
17	Evolution and interaction of corrosive species during the initial NaCl particle induced corrosion on zinc coated skin-passed steel. <i>Corrosion Science</i> , 2017, 127, 222-229.	6.6	10
18	Scanning Electrochemical Microscopy as a Characterization Tool for Reduced Graphene Oxide Field Effect Transistors. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 366-372.	0.4	5

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19	Strong Volta potential change in doped zinc oxide as a photoresponse to UV irradiation. RSC Advances, 2019, 9, 35579-35587.	3.6	5
20	Endothelial Cell-Based Methods for the Detection of Cyanobacterial Anti- Inflammatory and Wound-Healing Promoting Metabolites. Drug Metabolism Letters, 2007, 1, 254-260.	0.8	4
21	Structural, Electrical, and Optical Effects of Metal Doping on ZnO Thin Films. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800942.	1.8	4
22	In Situ Mass Spectrometric Reaction Monitoring of Atmospheric Corrosion Processes. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700860.	1.8	3
23	State of the Art of Chemosensors in a Biomedical Context. Chemosensors, 2022, 10, 199.	3.6	3
24	In-situ AFM study of the electrodeposition of copper on plasma modified carbon fibre-reinforced polymer surfaces. Surface and Coatings Technology, 2013, 221, 22-28.	4.8	2