Andreas Lesch

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4786944/publications.pdf

Version: 2024-02-01

66	2,025	236925	254184
papers	citations	25 h-index	43 g-index

68	68	68	2345
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid Noninvasive Skin Monitoring by Surface Mass Recording and Data Learning. Jacs Au, 2021, 1, 598-611.	7.9	5
2	Soft-probe-scanning electrochemical microscopy reveals electrochemical surface reactivity of E. coli biofilms. Sensors and Actuators B: Chemical, 2021, 334, 129669.	7.8	11
3	A new sensor based on an amino-montmorillonite-modified inkjet-printed graphene electrode for the voltammetric determination of gentisic acid. Mikrochimica Acta, 2021, 188, 36.	5.0	10
4	Highly Loaded Mildly Edgeâ€Oxidized Graphene Nanosheet Dispersions for Largeâ€Scale Inkjet Printing of Electrochemical Sensors. ChemElectroChem, 2020, 7, 460-468.	3.4	11
5	Assembling Niâ€“Fe Layered Double Hydroxide 2D Thin Films for Oxygen Evolution Electrodes. ACS Applied Energy Materials, 2020, 3, 1017-1026.	5.1	19
6	Montmorillonite clay-modified disposable ink-jet-printed graphene electrode as a sensitive voltammetric sensor for the determination of cadmium(II) and lead(II). SN Applied Sciences, 2020, 2, 1.	2.9	18
7	Inkjet-Printed Carbon Nanotube Electrodes Modified with Dimercaptosuccinic Acid-Capped Fe₃O₄ Nanoparticles on Reduced Graphene Oxide Nanosheets for Single-Drop Determination of Trifluoperazine. ACS Applied Nano Materials, 2020, 3, 4654-4662.	5.0	21
8	(Invited) Detection of Cancer Biomarkers By Scanning Electrochemical Microscopy. ECS Meeting Abstracts, 2020, MA2020-01, 1440-1440.	0.0	0
9	Print-Light-Synthesis of Ni and NiFe-Nanoscale Catalysts for Oxygen Evolution. ACS Applied Energy Materials, 2019, 2, 6322-6331.	5.1	15
10	Point-of-care amperometric determination of L-dopa using an inkjet-printed carbon nanotube electrode modified with dandelion-like MnO2 microspheres. Mikrochimica Acta, 2019, 186, 532.	5.0	21
11	Tape-Stripping Electrochemical Detection of Melanoma. Analytical Chemistry, 2019, 91, 12900-12908.	6.5	21
12	Inkjet-Printed Carbon Nanotube Electrodes for Measuring Pyocyanin and Uric Acid in a Wound Fluid Simulant and Culture Media. Analytical Chemistry, 2019, 91, 8835-8844.	6.5	46
13	Disposable Biosensor Based on Amidase/CeO2/GNR Modified Inkjetâ€printed CNT Electrodesâ€droplet Based Paracetamol Detection in Biological Fluids for â€œPointâ€ofâ€careâ€•Applications. Electroanalysis, 2019, 31, 1517-1525.	2.9	11
14	Local Study on Hydrogen and Hydrogen Gas Bubble Formation on a Platinum Electrode. Journal of Physical Chemistry C, 2019, 123, 10849-10856.	3.1	11
15	Impact of cation redox chemistry on continuous hydrothermal synthesis of 2D-Ni(Co/Fe) hydroxides. Reaction Chemistry and Engineering, 2019, 4, 2060-2073.	3.7	3
16	Inkjetâ€Printed Mesoporous TiO₂ and Perovskite Layers for High Efficiency Perovskite Solar Cells. Energy Technology, 2019, 7, 317-324.	3.8	67
17	Printing of NiO-YSZ nanocomposites: From continuous synthesis to inkjet deposition. Journal of the European Ceramic Society, 2019, 39, 1279-1286.	5.7	9
18	Electrochemical imaging of cells and tissues. Chemical Science, 2018, 9, 4546-4554.	7.4	73

#	Article	IF	Citations
19	Printâ€Lightâ€Synthesis of Platinum Nanostructured Indiumâ€Tinâ€Oxide Electrodes for Energy Research. Advanced Materials Technologies, 2018, 3, 1700201.	5.8	18
20	Large-scale layer-by-layer inkjet printing of flexible iridium-oxide based pH sensors. Journal of Electroanalytical Chemistry, 2018, 819, 384-390.	3.8	43
21	Fashioning Fluorous Organic Spacers for Tunable and Stable Layered Hybrid Perovskites. Chemistry of Materials, 2018, 30, 8211-8220.	6.7	35
22	Surface-Confined Electrochemiluminescence Microscopy of Cell Membranes. Journal of the American Chemical Society, 2018, 140, 14753-14760.	13.7	221
23	Immunoâ€affinity Amperometric Detection of Bacterial Infections. Angewandte Chemie - International Edition, 2018, 57, 14942-14946.	13.8	28
24	Immunaffine amperometrische Detektion bakterieller Infektionen. Angewandte Chemie, 2018, 130, 15158-15162.	2.0	3
25	Rapid inkjet printing of high catalytic activity Co3O4/N-rGO layers for oxygen reduction reaction. Applied Catalysis A: General, 2018, 563, 9-17.	4.3	17
26	Scanning Electrochemical Microscopy for Bioimaging. , 2018, , 445-452.		0
27	Water-Repellent Low-Dimensional Fluorous Perovskite as Interfacial Coating for 20% Efficient Solar Cells. Nano Letters, 2018, 18, 5467-5474.	9.1	118
28	Mapping the antioxidant activity of apple peels with soft probe scanning electrochemical microscopy. Journal of Electroanalytical Chemistry, 2017, 786, 120-128.	3.8	18
29	(Invited) Point-of-Care Diagnostics with Inkjet-Printed Microchips. ECS Transactions, 2017, 77, 73-81.	0.5	12
30	Soft Probe Scanning Electrochemical Microscopy with Spider Array for Visualizing Biomarkers and Redox Active Proteins in Animal Tissues. ECS Transactions, 2017, 77, 85-90.	0.5	2
31	Aqueous metalâ€“organic solutions for YSZ thin film inkjet deposition. Journal of Materials Chemistry C, 2017, 5, 6021-6029.	5.5	32
32	Inkjet-printed microtiter plates for portable electrochemical immunoassays. Journal of Electroanalytical Chemistry, 2017, 786, 69-76.	3.8	45
33	Soft Electrochemical Probes for Mapping the Distribution of Biomarkers and Injected Nanomaterials in Animal and Human Tissues. Angewandte Chemie - International Edition, 2017, 56, 16498-16502.	13.8	35
34	Single Cell Electrochemiluminescence Imaging: From the Proof-of-Concept to Disposable Device-Based Analysis. Journal of the American Chemical Society, 2017, 139, 16830-16837.	13.7	221
35	The antioxidant capacity of erythrocyte concentrates is increased during the first week of storage and correlated with the uric acid level. Vox Sanguinis, 2017, 112, 638-647.	1.5	45
36	Weiche elektrochemische Sonden zum Abbilden der Verteilung von Biomarkern und injizierten Nanomaterialien in tierischem und menschlichem Gewebe. Angewandte Chemie, 2017, 129, 16722-16727.	2.0	0

#	Article	IF	Citations
37	Large-Scale Production of Electrocatalyst Micro- and Nanoparticles By Photonic Curing of Inkjet Printed Metal and Metal Alloy Precursor Inks. ECS Meeting Abstracts, 2017, , .	0.0	0
38	Soft Probe Scanning Electrochemical Microscopy with Spider Array for Visualizing Biomarkers and Redox Active Proteins in Animal Tissues. ECS Meeting Abstracts, 2017, , .	0.0	0
39	(Invited) Point-of-Care Diagnostics with Inkjet-Printed Microchips. ECS Meeting Abstracts, 2017, , .	0.0	0
40	Fixation and Permeabilization Approaches for Scanning Electrochemical Microscopy of Living Cells. Analytical Chemistry, 2016, 88, 11436-11443.	6.5	15
41	Untersuchung der Tyrosinaseâ€Expression in nichtâ€metastatischen und metastatischen Melanomgeweben durch elektrochemische Rastersondenmikroskopie. Angewandte Chemie, 2016, 128, 3878-3881.	2.0	3
42	Monitoring Tyrosinase Expression in Nonâ€metastatic and Metastatic Melanoma Tissues by Scanning Electrochemical Microscopy. Angewandte Chemie - International Edition, 2016, 55, 3813-3816.	13.8	57
43	Analytical Chemistry at the Laboratoire d'Electrochimie Physique et Analytique. Chimia, 2015, 69, 290-293.	0.6	1
44	Inkjet Printing Meets Electrochemical Energy Conversion. Chimia, 2015, 69, 284.	0.6	24
45	Inkjet Printed Nanohydrogel Coated Carbon Nanotubes Electrodes For Matrix Independent Sensing. Analytical Chemistry, 2015, 87, 1026-1033.	6.5	34
46	Multiple scanning electrochemical microscopy mapping of tyrosinase in micro-contact printed fruit samples on polyvinylidene fluoride membrane. Electrochimica Acta, 2015, 179, 57-64.	5.2	26
47	Electrochemical Pushâ€“Pull Probe: From Scanning Electrochemical Microscopy to Multimodal Altering of Cell Microenvironment. Analytical Chemistry, 2015, 87, 4479-4486.	6.5	22
48	Electrochemical detection of free chlorine at inkjet printed silver electrodes. Journal of Electroanalytical Chemistry, 2015, 756, 171-178.	3.8	72
49	Large scale inkjet-printing of carbon nanotubes electrodes for antioxidant assays in blood bags. Journal of Electroanalytical Chemistry, 2014, 717-718, 61-68.	3.8	48
50	Rapid optimization of a lactate biosensor design using soft probes scanning electrochemical microscopy. Journal of Electroanalytical Chemistry, 2014, 731, 112-118.	3.8	16
51	Finger Probe Array for Topography-Tolerant Scanning Electrochemical Microscopy of Extended Samples. Analytical Chemistry, 2014, 86, 713-720.	6.5	10
52	Electrostatic Spray Ionization Mass Spectrometry Imaging. Analytical Chemistry, 2014, 86, 2033-2041.	6.5	17
53	Local control of protein binding and cell adhesion by patterned organic thin films. Analytical and Bioanalytical Chemistry, 2013, 405, 3673-3691.	3.7	14
54	High-throughput scanning electrochemical microscopy brushing of strongly tilted and curved surfaces. Electrochimica Acta, 2013, 110, 30-41.	5.2	28

#	Article	IF	Citations
55	Electrochemical Pseudoâ€Titration of Waterâ€Soluble Antioxidants. Electroanalysis, 2013, 25, 922-930.	2.9	19
56	Electrochemical Pushâ€“Pull Scanner with Mass Spectrometry Detection. Analytical Chemistry, 2012, 84, 6630-6637.	6.5	50
57	Fabrication of soft gold microelectrode arrays as probes for scanning electrochemical microscopy. Journal of Electroanalytical Chemistry, 2012, 666, 52-61.	3.8	44
58	Parallel Imaging and Templateâ€Free Patterning of Selfâ€Assembled Monolayers with Soft Linear Microelectrode Arrays. Angewandte Chemie - International Edition, 2012, 51, 10413-10416.	13.8	52
59	Soft Microelectrode Arrays as SECM Probes for Biological Samples. ECS Meeting Abstracts, 2012, , .	0.0	0
60	Microfluidic Pushâ€“Pull Probe for Scanning Electrochemical Microscopy. Analytical Chemistry, 2011, 83, 5275-5282.	6.5	62
61	Seeing Big with Scanning Electrochemical Microscopy. Analytical Chemistry, 2011, 83, 1493-1499.	6.5	60
62	External control of anodic dissolution mechanism of 100Cr6 in nitrate/chloride mixed electrolytes. Journal of Electrochemical Science and Engineering, 2011, , .	3.5	2
63	Soft Microelectrode Linear Array for Scanning Electrochemical Microscopy. Analytical Chemistry, 2010, 82, 10037-10044.	6.5	43
64	Fountain pen for scanning electrochemical microscopy. Analytical Methods, 2010, 2, 817.	2.7	30
65	Soft Probes for Scanning Electrochemical Microscopy. , 0, , 355-371.		0
66	Microfluidic Probes for Scanning Electrochemical Microscopy. , 0, , 373-390.		0