

Gunther Wittstock

List of Publications by Year in descending order

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227
papers

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61857

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citing authors

#	ARTICLE	IF	CITATIONS
1	Combinatorial Screening of Cu–W Oxide-Based Photoanodes for Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6590-6603.	4.0	6
2	Redox Mediators for Faster Lithium Peroxide Oxidation in a Lithium–Oxygen Cell: A Scanning Electrochemical Microscopy Study. <i>ACS Applied Energy Materials</i> , 2022, 5, 3724-3733.	2.5	5
3	Promoting Effect of the Residual Silver on the Electrocatalytic Oxidation of Methanol and Its Intermediates on Nanoporous Gold. <i>ACS Catalysis</i> , 2022, 12, 4415-4429.	5.5	14
4	Helical Anthracene–Ethyne-Based MOF-74 Analogue. <i>Crystal Growth and Design</i> , 2022, 22, 2849-2853.	1.4	2
5	Conceptual Membraneless Fuel Cell Device Based On Ionic Liquid Water Interface. <i>ChemElectroChem</i> , 2021, 8, 1626-1631.	1.7	2
6	Titelbild: An Electrically Conducting Three-Dimensional Iron-Catecholate Porous Framework (Angew.) <i>TJ ETQq0,0,0 rgBT /Overlock 1</i>	1.6	0
7	An Electrically Conducting Three-Dimensional Iron-Catecholate Porous Framework. <i>Angewandte Chemie</i> , 2021, 133, 18213-18220.	1.6	4
8	An Electrically Conducting Three-Dimensional Iron-Catecholate Porous Framework. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18065-18072.	7.2	24
9	Effect of the residual silver and adsorbed lead anions towards the electrocatalytic methanol oxidation on nanoporous gold in alkaline media. <i>Electrochimica Acta</i> , 2021, 383, 138348.	2.6	7
10	Modification and Patterning of Self-Assembled Monolayers Using Electrogenerated Etchants and Homogeneous Scavenging Reactions in a Scanning Electrochemical Microscope. <i>ChemElectroChem</i> , 2021, 8, 3192-3202.	1.7	5
11	Effect of a Cocatalyst on a Photoanode in Water Splitting: A Study of Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 12221-12229.	3.2	17
12	Electronic Transitions in Different Redox States of Trinuclear 5,6,11,12,17,18-Hexaazatrinaphthylene-Bridged Titanium Complexes: Spectroelectrochemistry and Quantum Chemistry. <i>ChemPhysChem</i> , 2020, 21, 2506-2514.	1.0	6
13	Morphology and Conductivity of Copper Hexacyanoferrate Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16849-16859.	1.5	14
14	Impact of the Crystalline Li ₁₅ Si ₄ Phase on the Self-Discharge Mechanism of Silicon Negative Electrodes in Organic Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55903-55912.	4.0	12
15	Restructuring of Nanoporous Gold Surfaces During Electrochemical Cycling in Acidic and Alkaline Media. <i>ChemElectroChem</i> , 2020, 7, 3670-3678.	1.7	13
16	Solid Electrolyte Interphase Evolution on Lithium Metal Electrodes Followed by Scanning Electrochemical Microscopy Under Realistic Battery Cycling Current Densities. <i>ChemElectroChem</i> , 2020, 7, 3544-3544.	1.7	1
17	Effect of TiO ₂ Photoanodes Morphology and Dye Structure on Dye-Regeneration Kinetics Investigated by Scanning Electrochemical Microscopy. <i>Electrochem</i> , 2020, 1, 329-343.	1.7	1
18	Solid Electrolyte Interphase Evolution on Lithium Metal Electrodes Followed by Scanning Electrochemical Microscopy Under Realistic Battery Cycling Current Densities. <i>ChemElectroChem</i> , 2020, 7, 3590-3596.	1.7	17

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19	Catalytic Activity of Alkali Metal Cations for the Chemical Oxygen Reduction Reaction in a Biphasic Liquid System Probed by Scanning Electrochemical Microscopy. <i>Chemistry - A European Journal</i> , 2020, 26, 10882-10890.	1.7	10
20	Pneumatic Conveying Printing Based on Super Hydrophobic Surface. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902131.	1.9	1
21	Coulometric Titration of Active Sites at Mesoporous Cobalt Oxide Spinel by Surface Interrogation Mode of Scanning Electrochemical Microscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7737-7748.	1.5	9
22	Plasmonic nanofocusing spectral interferometry. <i>Nanophotonics</i> , 2020, 9, 491-508.	2.9	12
23	Thermally Driven Ag-Au Compositional Changes at the Ligament Surface in Nanoporous Gold: Implications for Electrocatalytic Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 2197-2206.	2.4	11
24	Effect of Aromatic Rings and Substituent on the Performance of Lithium Batteries with Rylene Imide Cathodes. <i>ChemElectroChem</i> , 2020, 7, 1160-1165.	1.7	11
25	(Invited) Morphology and Conductivity of Copper Hexacyanoferrate Films. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2810-2810.	0.0	0
26	Electrochemical Activation of Self-Assembled Monolayers for the Binding of Effectors. <i>Langmuir</i> , 2020, 36, 14623-14632.	1.6	0
27	Diaminoterephthalate-lipoic acid conjugates with fluorinated residues. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 981-991.	1.3	1
28	Electron Transfer and Electron Excitation Processes in 2,5-Diaminoterephthalate Derivatives with Broad Scope for Functionalization. <i>ChemistryOpen</i> , 2019, 8, 1176-1182.	0.9	2
29	A highly crystalline anthracene-based MOF-74 series featuring electrical conductivity and luminescence. <i>Nanoscale</i> , 2019, 11, 20949-20955.	2.8	53
30	Nascent SEI-Surface Films on Single Crystalline Silicon Investigated by Scanning Electrochemical Microscopy. <i>ACS Applied Energy Materials</i> , 2019, 2, 1388-1392.	2.5	21
31	Oxygen Reduction Reaction Activity of Mesoporous Cobalt-Based Metal Oxides Studied with the Cavity-Microelectrode Technique. <i>ChemElectroChem</i> , 2019, 6, 3460-3467.	1.7	14
32	Diverging surface reactions at TiO ₂ - or ZnO-based photoanodes in dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13047-13057.	1.3	20
33	Mass Transport in Porous Electrodes Studied by Scanning Electrochemical Microscopy: Example of Nanoporous Gold. <i>ChemElectroChem</i> , 2019, 6, 3160-3166.	1.7	14
34	Correlations of Crystal and Electronic Structure via NMR and X-ray Photoelectron Spectroscopies in the RETMAI ₂ (RE = Sc, Y, La-Nd, Sm, Gd-Tm, Lu; TM = Ni, Pd, Pt) Series. <i>Inorganic Chemistry</i> , 2019, 58, 7010-7025.	1.9	16
35	Vectorial near-field coupling. <i>Nature Nanotechnology</i> , 2019, 14, 698-704.	15.6	29
36	Synthesis, Crystal Structure, and Selected Properties of [Au(S ₂ CNH ₂) ₂] ₂ SCN: A Precursor for Gold Macro-Needles Consisting of Gold Nanoparticles Glued by Graphitic Carbon Nitride. <i>Chemistry - A European Journal</i> , 2019, 25, 6763-6772.	1.7	5

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37	Electrochemistry of CdSe Quantum Dots Studied by Single Molecule Spectroscopy. ChemElectroChem, 2019, 6, 1884-1893.	1.7	4
38	Local studies of photoelectrochemical reactions at nanostructured oxides. Current Opinion in Electrochemistry, 2019, 13, 25-32.	2.5	13
39	Corrosion of Graphite-Polypropylene Current Collectors during Overcharging in Negative and Positive Vanadium Redox Flow Battery Half-Cell Electrolytes. Journal of the Electrochemical Society, 2018, 165, A963-A969.	1.3	14
40	Photocatalytic degradation of the herbicide chloridazon on mesoporous titania/zirconia nanopowders. Environmental Science and Pollution Research, 2018, 25, 34873-34883.	2.7	16
41	Combinatorial screening of photoanode materials - Uniform platform for compositional arrays and macroscopic electrodes. Electrochimica Acta, 2018, 259, 204-212.	2.6	12
42	Generating ultra-small droplets based on a double-orifice technique. Sensors and Actuators B: Chemical, 2018, 255, 2011-2017.	4.0	10
43	Infrared spectroelectrochemical analysis of potential dependent changes in cobalt hexacyanoferrate and copper hexacyanoferrate films on gold electrodes. Journal of Electroanalytical Chemistry, 2018, 812, 199-206.	1.9	17
44	Printing with Satellite Droplets. Small, 2018, 14, e1802583.	5.2	19
45	Independent control over residual silver content of nanoporous gold by galvanodynamically controlled dealloying. Nanoscale, 2018, 10, 17166-17173.	2.8	22
46	In Situ Microtitration of Intermediates of Water Oxidation Reaction at Nanoparticles Assembled at Water/Oil Interfaces. Journal of Physical Chemistry C, 2018, 122, 12963-12969.	1.5	8
47	Inkjet Printing in Liquid Environments. Small, 2018, 14, e1801212.	5.2	24
48	Fourier-transform spatial modulation spectroscopy of single gold nanorods. Nanophotonics, 2018, 7, 715-726.	2.9	6
49	Crystal Structure, Spectroscopic Investigations, and Physical Properties of the Ternary Intermetallic REPt ₂ Al ₃ (RE = Y, Dy) and RE ₂ Pt ₃ Al ₄ Representatives (RE = Tm, Lu). Crystals, 2018, 8, 169.	1.0	9
50	Synthesis, Crystal Structures, and Magnetic and Electrochemical Properties of Highly Phenyl Substituted Trinuclear 5,6,11,12,17,18-Hexaazatrinaphthylene (HATNPh ₆)-Bridged Titanium Complexes. Inorganic Chemistry, 2018, 57, 11165-11174.	1.9	8
51	Electron Transfer Reactions in Three-Nuclear Ti Complexes with π -Acceptor Ligands. ECS Meeting Abstracts, 2018, MA2018-02, 1783-1783.	0.0	1
52	Photosensitive Electrified Water/Oil Interfaces Studied By Scanning Electrochemical Microscopy. ECS Meeting Abstracts, 2018, .	0.0	0
53	Improved Synthesis of Pinacol Dimethyl Ether – A Superior Solvent for Lithium Oxygen Batteries. Synlett, 2017, 28, 705-706.	1.0	0
54	Influence of Chemical Structure and Temperature on Oxygen Reduction Reaction and Transport in Ionic Liquids. Zeitschrift Fur Physikalische Chemie, 2017, 231, 1077-1092.	1.4	5

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55	In situ determination of potential-driven structural changes in a redox-active plumbagin polymer film on a glassy carbon electrode using PM IRRAS under electrochemical control. <i>Electrochimica Acta</i> , 2017, 255, 298-308.	2.6	11
56	Electrocatalytic methanol oxidation with nanoporous gold: microstructure and selectivity. <i>Nanoscale</i> , 2017, 9, 17839-17848.	2.8	57
57	Bulk Aging of Graphite-Polypropylene Current Collectors Induced by Electrochemical Cycling in the Positive Electrolyte of Vanadium Redox Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2566-A2572.	1.3	11
58	Redox titration of gold and platinum surface oxides at porous microelectrodes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22915-22925.	1.3	8
59	Local Evaluation of Processed Membrane Electrode Assemblies by Scanning Electrochemical Microscopy. <i>Journal of the Electrochemical Society</i> , 2017, 164, F873-F878.	1.3	5
60	Characterization of Photoactivity of Nanostructured BiVO ₄ at Polarized Liquid-Liquid Interfaces by Scanning Electrochemical Microscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25941-25948.	1.5	20
61	A Platform for Electric Field Aided and Wire-Guided Droplet Manipulation. <i>Small</i> , 2017, 13, 1601691.	5.2	20
62	Electrogeneration of O ₂ and H ₂ O ₂ Using Polymer-Modified Microelectrodes in the Environment of Living Cells. <i>Electroanalysis</i> , 2016, 28, 2400-2407.	1.5	3
63	Scanning Electrochemical Microscopy for the In-Situ Characterization of Solid-Electrolyte Interphases: Highly Oriented Pyrolytic Graphite versus Graphite Composite. <i>Energy Technology</i> , 2016, 4, 1486-1494.	1.8	23
64	Direct Local Mapping of Ion Transfer Reactions by Scanning Ohmic Microscopy. <i>Energy Technology</i> , 2016, 4, 1495-1501.	1.8	2
65	Spatially Resolved Analysis of Screen Printed Photoanodes of Dye-Sensitized Solar Cells by Scanning Electrochemical Microscopy. <i>Electrochimica Acta</i> , 2016, 222, 735-746.	2.6	6
66	Observation of Dynamic Interfacial Layers in Li-Ion and Li-O ₂ Batteries by Scanning Electrochemical Microscopy. <i>Electrochimica Acta</i> , 2016, 199, 366-379.	2.6	26
67	Photoactivity and scattering behavior of anodically and cathodically deposited hematite photoanodes – a comparison by scanning photoelectrochemical microscopy. <i>Electrochimica Acta</i> , 2016, 202, 224-230.	2.6	12
68	Effect of solid loading on the processing and behavior of PEDOT:PSS binder based composite cathodes for lithium ion batteries. <i>Synthetic Metals</i> , 2016, 215, 86-94.	2.1	15
69	Chemical Stability of Graphite-Polypropylene Bipolar Plates for the Vanadium Redox Flow Battery at Resting State. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2318-A2325.	1.3	12
70	Electrocatalysis: Holding the Keys to Advanced Energy Materials and Systems. <i>ChemElectroChem</i> , 2016, 3, 1518-1518.	1.7	3
71	Electrochemical characterization of temperature dependence of plasma-treated cobalt-oxide catalyst for oxygen reduction reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 22554-22559.	3.8	5
72	Nanoparticle-Imprinted Matrices as Sensing Layers for Size-Selective Recognition of Silver Nanoparticles. <i>ChemElectroChem</i> , 2016, 3, 2116-2124.	1.7	9

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73	A polarized liquid-liquid interface meets visible light-driven catalytic water oxidation. <i>Chemical Communications</i> , 2016, 52, 11382-11385.	2.2	30
74	Review of Local In-Situ Probing Techniques for the Interfaces of Lithium-Ion and Lithium-Oxygen Batteries. <i>Energy Technology</i> , 2016, 4, 1472-1485.	1.8	26
75	Electrochemical analysis of nanostructured iron oxides using cyclic voltammetry and scanning electrochemical microscopy. <i>Electrochimica Acta</i> , 2016, 222, 1326-1334.	2.6	19
76	Hydrodynamic dispensing and electrical manipulation of attolitre droplets. <i>Nature Communications</i> , 2016, 7, 12424.	5.8	43
77	Layer-by-layer modification of Nafion membranes for increased life-time and efficiency of vanadium/air redox flow batteries. <i>Journal of Membrane Science</i> , 2016, 510, 259-269.	4.1	61
78	Combined detection of electrochemical reactions and topographical effects - imaging with scanning ohmic microscopy. <i>Electrochimica Acta</i> , 2016, 197, 318-329.	2.6	9
79	Reactive oxygen species formed in organic lithium-oxygen batteries. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10774-10780.	1.3	18
80	Speciation of nanoscale objects by nanoparticle imprinted matrices. <i>Nanoscale</i> , 2016, 8, 13934-13943.	2.8	12
81	Temperature propagation in prismatic lithium-ion-cells after short term thermal stress. <i>Journal of Power Sources</i> , 2016, 313, 30-36.	4.0	17
82	Characterization of different plasma-treated cobalt oxide catalysts for oxygen reduction reaction in alkaline media. <i>Science Bulletin</i> , 2016, 61, 612-618.	4.3	20
83	Investigation of the Electron Transfer at Si Electrodes: Impact and Removal of the Native SiO ₂ Layer. <i>Journal of the Electrochemical Society</i> , 2016, 163, A504-A512.	1.3	19
84	Investigation of crossover processes in a unitized bidirectional vanadium/air redox flow battery. <i>Journal of Power Sources</i> , 2016, 306, 692-701.	4.0	35
85	In Situ Quantification of the Swelling of Graphite Composite Electrodes by Scanning Electrochemical Microscopy. <i>Journal of the Electrochemical Society</i> , 2016, 163, A27-A34.	1.3	25
86	Supercapacitor Electrodes: Investigation of Charge Transfer Kinetics of Polyaniline Supercapacitor Electrodes by Scanning Electrochemical Microscopy (<i>Adv. Mater. Interfaces</i> 1/2015). <i>Advanced Materials Interfaces</i> , 2015, 2, n/a-n/a.	1.9	0
87	Electropolymerization of quinone-polymers onto grafted quinone monolayers: a route towards non-passivating, catalytically active film. <i>Electrochimica Acta</i> , 2015, 155, 474-482.	2.6	14
88	PEDOT: PSS as a Functional Binder for Cathodes in Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A674-A678.	1.3	86
89	Scanning electrochemical microscopy of oxygen permeation through air-electrodes in lithium-air batteries. <i>Journal of Electroanalytical Chemistry</i> , 2015, 740, 82-87.	1.9	22
90	Performance and the Characteristics of Thermally Stressed Anodes in Lithium Ion Cells. <i>Journal of the Electrochemical Society</i> , 2015, 162, A3110-A3115.	1.3	6

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91	Investigation on the electrochemistry and cytotoxicity of the natural product marcanine A and its synthetic derivatives. <i>RSC Advances</i> , 2015, 5, 58561-58565.	1.7	13
92	Microelectrospotting as a new method for electrosynthesis of surface-imprinted polymer microarrays for protein recognition. <i>Biosensors and Bioelectronics</i> , 2015, 73, 123-129.	5.3	53
93	Catalysis at the room temperature ionic liquid water interface: H ₂ O ₂ generation. <i>Chemical Communications</i> , 2015, 51, 6851-6853.	2.2	16
94	Voltammetric pH Nanosensor. <i>Analytical Chemistry</i> , 2015, 87, 11641-11645.	3.2	40
95	Magnetically Controlled Release of Dispersed Iron Oxide Nanoparticles from Imprinted Organic Thin Films. <i>ECS Transactions</i> , 2015, 66, 1-7.	0.3	1
96	Comparison of Electron Transfer Properties of the SEI on Graphite Composite and Metallic Lithium Electrodes by SECM at OCP. <i>Journal of the Electrochemical Society</i> , 2015, 162, A7024-A7036.	1.3	27
97	Influence of Dye Architecture of Triphenylamine Based Organic Dyes on the Kinetics in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21775-21783.	1.5	35
98	A Simple Liquid-Liquid Biphasic System for Hydrogen Peroxide Generation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20011-20015.	1.5	14
99	Impact of temperature and electrical potentials on the stability and structure of collagen adsorbed on the gold electrode. <i>Surface Science</i> , 2015, 631, 220-228.	0.8	7
100	Investigation of Charge Transfer Kinetics of Polyaniline Supercapacitor Electrodes by Scanning Electrochemical Microscopy. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400154.	1.9	40
101	Study of an unitesed bidirectional vanadium/air redox flow battery comprising a two-layered cathode. <i>Journal of Power Sources</i> , 2015, 273, 1163-1170.	4.0	35
102	Nanoparticle-Imprinted Polymers for Size-Selective Recognition of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 294-298.	7.2	37
103	Pt Catalyst Supported within TiO ₂ Mesoporous Films for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , 2014, 130, 97-103.	2.6	27
104	Finger Probe Array for Topography-Tolerant Scanning Electrochemical Microscopy of Extended Samples. <i>Analytical Chemistry</i> , 2014, 86, 713-720.	3.2	10
105	Carbon Nanoparticulate Film Electrode Prepared by Electrophoretic Deposition. Electrochemical oxidation of Thiocholine and Topography Imaging with SECM Equipment in Dry Conditions. <i>Electrochimica Acta</i> , 2014, 144, 136-140.	2.6	7
106	Spatiotemporal Changes of the Solid Electrolyte Interphase in Lithium-Ion Batteries Detected by Scanning Electrochemical Microscopy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10531-10535.	7.2	105
107	Modification of silicon oxide surfaces by monolayers of an oligoethylene glycol-terminated perfluoroalkyl silane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 449, 31-41.	2.3	13
108	Local control of protein binding and cell adhesion by patterned organic thin films. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3673-3691.	1.9	14

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109	High-throughput scanning electrochemical microscopy brushing of strongly tilted and curved surfaces. <i>Electrochimica Acta</i> , 2013, 110, 30-41.	2.6	28
110	Structurally stressed PT09SBA: A close look at the properties of large pore photoluminescent, redox active mesoporous hybrid silica. <i>RSC Advances</i> , 2013, 3, 8242.	1.7	5
111	Quantitative characterization of shear force regulation for scanning electrochemical microscopy. <i>Comptes Rendus Chimie</i> , 2013, 16, 7-14.	0.2	26
112	Micropatterned Multienzyme Devices with Adjustable Amounts of Immobilized Enzymes. <i>Langmuir</i> , 2013, 29, 15090-15099.	1.6	9
113	Photovoltaic characteristics and dye regeneration kinetics in D149-sensitized ZnO with varied dye loading and film thickness. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7533.	1.3	27
114	Effect of Cation on Dye Regeneration Kinetics of N719-Sensitized TiO ₂ Films in Acetonitrile-Based and Ionic-Liquid-Based Electrolytes Investigated by Scanning Electrochemical Microscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4316-4323.	1.5	39
115	Electrochemical Push-Pull Scanner with Mass Spectrometry Detection. <i>Analytical Chemistry</i> , 2012, 84, 6630-6637.	3.2	50
116	Fabrication of soft gold microelectrode arrays as probes for scanning electrochemical microscopy. <i>Journal of Electroanalytical Chemistry</i> , 2012, 666, 52-61.	1.9	44
117	Parallel Imaging and Template-Free Patterning of Self-Assembled Monolayers with Soft Linear Microelectrode Arrays. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10413-10416.	7.2	52
118	Soft Microelectrode Arrays as SECM Probes for Biological Samples. <i>ECS Meeting Abstracts</i> , 2012, , .	0.0	0
119	Monitoring electroactive ions at manganese dioxide pseudocapacitive electrodes with scanning electrochemical microscope for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2012, 207, 205-211.	4.0	35
120	Microfluidic Push-Pull Probe for Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2011, 83, 5275-5282.	3.2	62
121	Protic ionic liquid and ionic melts prepared from methanesulfonic acid and 1H-1,2,4-triazole as high temperature PEMFC electrolytes. <i>Journal of Materials Chemistry</i> , 2011, 21, 10426.	6.7	69
122	Seeing Big with Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2011, 83, 1493-1499.	3.2	60
123	Bioelectrocatalytic mediatorless dioxygen reduction at carbon ceramic electrodes modified with bilirubin oxidase. <i>Electrochimica Acta</i> , 2010, 55, 5719-5724.	2.6	33
124	Scanning electrochemical microscope studies of dye regeneration in indoline (D149)-sensitized ZnO photoelectrochemical cells. <i>Journal of Electroanalytical Chemistry</i> , 2010, 650, 24-30.	1.9	32
125	New oxygen evolution anodes for metal electrowinning: investigation of local physicochemical processes on composite electrodes with conductive atomic force microscopy and scanning electrochemical microscopy. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 581-592.	1.5	16
126	Integrated cantilever probes for SECM/AFM characterization of surfaces. <i>Microelectronic Engineering</i> , 2010, 87, 1537-1539.	1.1	31

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127	Scanning electrochemical microscopy activity mapping of electrodes modified with laccase encapsulated in sol-gel processed matrix. <i>Bioelectrochemistry</i> , 2010, 79, 101-107.	2.4	20
128	Microfabrication of Patterns of Adherent Marine Bacterium <i>Phaeobacter inhibens</i> Using Soft Lithography and Scanning Probe Lithography. <i>Langmuir</i> , 2010, 26, 8641-8647.	1.6	20
129	Soft Microelectrode Linear Array for Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2010, 82, 10037-10044.	3.2	43
130	Structural Analysis of HS(CD ₂) ₁₂ (O-CH ₂ -CH ₂) ₆ OCH ₃ Monolayers on Gold by Means of Polarization Modulation Infrared Reflection Absorption Spectroscopy. Progress of the Reaction with Bromine. <i>Langmuir</i> , 2010, 26, 362-370.	1.6	18
131	Feedback mode SECM study of laccase and bilirubin oxidase immobilised in a sol-gel processed silicate film. <i>Analyst</i> , 2010, 135, 2051.	1.7	35
132	Diffusion and Reaction in Microbead Agglomerates. <i>Analytical Chemistry</i> , 2010, 82, 2626-2635.	3.2	15
133	Influence of electrode size and geometry on electrochemical experiments with combined SECM-SFM probes. <i>Nanotechnology</i> , 2010, 21, 105709.	1.3	34
134	Fountain pen for scanning electrochemical microscopy. <i>Analytical Methods</i> , 2010, 2, 817.	1.3	30
135	Electro-oxidative nanopatterning of silane monolayers on boron-doped diamond electrodes. <i>Nanotechnology</i> , 2009, 20, 075302.	1.3	9
136	Localized Deposition of Chitosan as Matrix for Enzyme Immobilization. <i>Electroanalysis</i> , 2009, 21, 804-810.	1.5	9
137	Surface selection, adhesion, and retention behavior of marine bacteria on synthetic organic surfaces using self-assembled monolayers and atomic force microscopy. <i>Ocean Dynamics</i> , 2009, 59, 305-315.	0.9	9
138	Hydrophilic carbon nanoparticle-laccase thin film electrode for mediatorless dioxygen reduction. <i>Electrochimica Acta</i> , 2009, 54, 4620-4625.	2.6	66
139	Photoelectrochemical kinetics of Eosin Y-sensitized zinc oxide films investigated by scanning electrochemical microscopy under illumination with different LED. <i>Electrochimica Acta</i> , 2009, 55, 458-464.	2.6	38
140	Digital Simulation of Scanning Electrochemical Microscopy Approach Curves to Enzyme Films with Michaelis-Menten Kinetics. <i>Analytical Chemistry</i> , 2009, 81, 4857-4863.	3.2	19
141	Soft Stylus Probes for Scanning Electrochemical Microscopy. <i>Analytical Chemistry</i> , 2009, 81, 6889-6896.	3.2	53
142	Scanning electrochemical microscopy study of laccase within a sol-gel processed silicate film. <i>Bioelectrochemistry</i> , 2008, 72, 174-182.	2.4	29
143	Kinetic studies of glucose oxidase in polyelectrolyte multilayer films by means of scanning electrochemical microscopy (SECM). <i>Bioelectrochemistry</i> , 2008, 72, 66-76.	2.4	28
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