Fritz Scholz

List of Publications by Year
in descending order

199	7,145	57758	66911
papers	citations	44 h-index	78 g-index

225	225	225	4931
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of pyrolysed iron(II) phthalocyanine and CoTMPP based oxygen reduction catalysts as cathode materials in microbial fuel cells. Electrochemistry Communications, 2005, 7, 1405-1410.	4.7	466
2	A Generation of Microbial Fuel Cells with Current Outputs Boosted by More Than One Order of Magnitude. Angewandte Chemie - International Edition, 2003, 42, 2880-2883.	13.8	341
3	Exploiting complex carbohydrates for microbial electricity generation ? a bacterial fuel cell operating on starch. Electrochemistry Communications, 2004, 6, 955-958.	4.7	265
4	Fluorinated polyanilines as superior materials for electrocatalytic anodes in bacterial fuel cells. Electrochemistry Communications, 2004, 6, 571-575.	4.7	171
5	Electrochemical Study of Microcrystalline Solid Prussian Blue Particles Mechanically Attached to Graphite and Gold Electrodes: Electrochemically Induced Lattice Reconstruction. The Journal of Physical Chemistry, 1995, 99, 2096-2103.	2.9	164
6	Abrasive stripping voltammetry â€" an electrochemical solid state spectroscopy of wide applicability. TrAC - Trends in Analytical Chemistry, 1992, 11, 359-367.	11.4	161
7	Electrochemical solid state analysis: state of the art. Chemical Society Reviews, 1994, 23, 341.	38.1	155
8	Interfacing Electrocatalysis and Biocatalysis with Tungsten Carbide: A High-Performance, Noble-Metal-Free Microbial Fuel Cell. Angewandte Chemie - International Edition, 2006, 45, 6658-6661.	13.8	155
9	Electroanalytical chemistry for the analysis of solids: Characterization and classification (IUPAC) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	148
10	Modelling of solid state voltammetry of immobilized microcrystals assuming an initiation of the electrochemical reaction at a three-phase junction. Journal of Solid State Electrochemistry, 2000, 4, 314-324.	2.5	140
11	The Formal Potentials of Solid Metal Hexacyanometalates. Angewandte Chemie International Edition in English, 1996, 34, 2685-2687.	4.4	137
12	Voltammetric techniques of analysis: the essentials. ChemTexts, 2015, 1, 1.	1.9	133
13	An electrochemical method for determination of the standard Gibbs energy of anion transfer between water and n-octanol. Electrochemistry Communications, 2002, 4, 277-283.	4.7	123
14	Evaluation of catalytic properties of tungsten carbide for the anode of microbial fuel cells. Applied Catalysis B: Environmental, 2007, 74, 261-269.	20.2	121
15	Structure, Insertion Electrochemistry, and Magnetic Properties of a New Type of Substitutional Solid Solutions of Copper, Nickel, and Iron Hexacyanoferrates/Hexacyanocobaltates. Inorganic Chemistry, 2002, 41, 5706-5715.	4.0	120
16	Lattice contractions and expansions accompanying the electrochemical conversions of Prussian blue and the reversible and irreversible insertion of rubidium and thallium ions. Journal of Electroanalytical Chemistry, 1996, 406, 155-163.	3.8	118
17	A comparative study of Prussian-Blue-modified graphite paste electrodes and solid graphite electrodes with mechanically immobilized Prussian Blue. Journal of Electroanalytical Chemistry, 1995, 398, 23-35.	3.8	113
18	Solid state electrochemical studies of mixed nickel-iron hexacyanoferrates with the help of abrasive stripping voltammetry. Journal of Electroanalytical Chemistry, 1996, 403, 209-212.	3.8	112

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19	Determining the Gibbs Energy of Ion Transfer Across Water-Organic Liquid Interfaces with Three-Phase Electrodes. ChemPhysChem, 2005, 6, 16-28.	2.1	111
20	Utilizing the green alga Chlamydomonas reinhardtii for microbial electricity generation: a living solar cell. Applied Microbiology and Biotechnology, 2005, 68, 753-756.	3.6	107
21	In Situ Electrooxidation of Photobiological Hydrogen in a Photobioelectrochemical Fuel Cell Based on Rhodobacter sphaeroides. Environmental Science & Technology, 2005, 39, 6328-6333.	10.0	106
22	A model for the coupled transport of ions and electrons in redox conductive microcrystals. Journal of Solid State Electrochemistry, 1999, 3, 172-175.	2.5	102
23	Heat treated soil as convenient and versatile source of bacterial communities for microbial electricity generation. Electrochemistry Communications, 2006, 8, 869-873.	4.7	93
24	Standard partition coefficients of anionic drugs in the n-octanol/water system determined by voltammetry at three-phase electrodes. Physical Chemistry Chemical Physics, 2003, 5, 3748-3751.	2.8	85
25	Cyclic voltammetry of decamethylferrocene at the organic liquidâˆ£aqueous solutionâˆ£graphite three-phase junction. Journal of Electroanalytical Chemistry, 2001, 508, 129-137.	3.8	82
26	Kinetics of Liposome Adhesion on a Mercury Electrode. Journal of Physical Chemistry B, 2005, 109, 14715-14726.	2.6	82
27	Title is missing!. Angewandte Chemie, 2003, 115, 2986-2989.	2.0	77
28	A Comparison of the Solvation Properties of 2-Nitrophenyloctyl Ether, Nitrobenzene, andn-Octanol as Assessed by Ion Transfer Experiments. Journal of Physical Chemistry B, 2004, 108, 4565-4572.	2.6	73
29	In situ atomic force microscopy of the reduction of lead oxide nanocrystals immobilised on an electrode surface. Electrochemistry Communications, 2001, 3, 429-434.	4.7	71
30	Hydroxyl Radicals Attack Metallic Gold. Angewandte Chemie - International Edition, 2010, 49, 1061-1063.	13.8	71
31	Electron transfer â€“ ion insertion electrochemistry at an immobilised droplet: probing the three-phase electrode-reaction zone with a Pt disk microelectrode. Electrochemistry Communications, 2002, 4, 324-329.	4.7	69
32	Electrochemistry of Immobilized Particles and Droplets. , 2015, , .		69
33	The thermodynamics of the insertion electrochemistry of solid metal hexacyanometallates. Journal of Electroanalytical Chemistry, 2002, 521, 183-189.	3.8	66
34	The determination of standard Gibbs energies of transfer of cations across the nitrobenzene|water interface using a three-phase electrode. Electrochemistry Communications, 2003, 5, 929-934.	4.7	65
35	Selective Knockout of Gold Active Sites. Angewandte Chemie - International Edition, 2010, 49, 3006-3009.	13.8	64
36	Electrochemical, thermodynamic, and mechanistic data derived from voltammetric studies on insoluble metallocenes, mercury halide and sulfide compounds, mixed silver halide crystals, and other metal complexes following their mechanical transfer to a graphite electrode. Langmuir, 1991, 7, 3197-3204.	3.5	63

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37	The effect of the electrolyte concentration in the solution on the voltammetric response of insertion electrodes. Journal of Solid State Electrochemistry, 1998, 2, 401-404.	2.5	62
38	Lipophilicity of Peptide Anions:Â An Experimental Data Set for Lipophilicity Calculations. Journal of Physical Chemistry B, 2003, 107, 5650-5657.	2.6	60
39	Indirect Electrochemical Sensing of Radicals and Radical Scavengers in Biological Matrices. Angewandte Chemie - International Edition, 2007, 46, 8079-8081.	13.8	59
40	First-order differential equations in chemistry. ChemTexts, 2015, 1, 1.	1.9	59
41	The Solid-State Electrochemistry of Metal Octacyanomolybdates, Octacyanotungstates, and Hexacyanoferrates Explained on the Basis of Dissolution and Reprecipitation Reactions, Lattice Structures, and Crystallinities. Inorganic Chemistry, 2000, 39, 1006-1015.	4.0	58
42	Electrocatalytic and corrosion behaviour of tungsten carbide in near-neutral pH electrolytes. Applied Catalysis B: Environmental, 2009, 87, 63-69.	20.2	54
43	Electrochemistry of Chromium(II) Hexacyanochromate(III) and Electrochemically Induced Isomerization of Solid Iron(II) Hexacyanochromate(III) Mechanically Immobilized on the Surface of a Graphite Electrode. Inorganic Chemistry, 1995, 34, 1711-1717.	4.0	51
44	The voltammetric behaviour of solid 2,2-diphenyl-1-picrylhydrazyl (DPPH) microparticles. Electrochemistry Communications, 1999, 1, 406-410.	4.7	49
45	Kinetics of the Adhesion of DMPC Liposomes on a Mercury Electrode. Effect of Lamellarity, Phase Composition, Size and Curvature of Liposomes, and Presence of the Pore Forming Peptide Mastoparan X. Langmuir, 2006, 22, 10723-10731.	3.5	47
46	In situ X-ray diffraction study of the electrochemical reduction of tetragonal lead oxide and orthorhombic Pb(OH)Cl mechanically immobilized on a graphite electrode. Journal of Electroanalytical Chemistry, 1995, 392, 79-83.	3.8	44
47	Quantification of the chiral recognition in electrochemically driven ion transfer across the interface water/chiral liquid. Electrochemistry Communications, 2002, 4, 659-662.	4.7	44
48	Standard Gibbs energies of transfer of halogenate and pseudohalogenate ions, halogen substituted acetates, and cycloalkyl carboxylate anions at the water|nitrobenzene interface. Physical Chemistry Chemical Physics, 2003, 5, 1284-1289.	2.8	44
49	From the Leiden jar to the discovery of the glass electrode by Max Cremer. Journal of Solid State Electrochemistry, 2011, 15, 5-14.	2.5	44
50	Controlling the morphology of silver deposition at liquid|liquid interfaces: From nano-wires to super smooth films. Electrochemistry Communications, 2005, 7, 541-546.	4.7	43
51	Nucleation at three-phase junction lines: in situ atomic force microscopy of the electrochemical reduction of sub-micrometer size silver and mercury(I) halide crystals immobilized on solid electrodes. Journal of Solid State Electrochemistry, 2004, 8, 842.	2.5	42
52	Determination of the standard Gibbs energies of transfer of cations across the nitrobenzene|water interface utilizing the reduction of iodine in an immobilized nitrobenzene droplet. Electrochemistry Communications, 2002, 4, 814-819.	4.7	40
53	Square-wave thin-film voltammetry: influence of uncompensated resistance and charge transfer kinetics. Journal of Electroanalytical Chemistry, 2004, 566, 351-360.	3.8	38
54	Recent advances in the electrochemistry of ion transfer processes at liquidâ€“liquid interfaces. Annual Reports on the Progress of Chemistry Section C, 2006, 102, 43-70.	4.4	37

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55	Square-Wave Voltammetry of Decamethylferrocene at the Three-Phase Junction Organic Liquid/Aqueous Solution/Graphite. Collection of Czechoslovak Chemical Communications, 2001, 66, 434-444.	1.0	36
56	Nucleation-growth kinetics of the oxidation of silver nanocrystals to silver halide crystals. Journal of Solid State Electrochemistry, 2006, 10, 833-840.	2.5	36
57	An in situ microscopic spectroelectrochemical study of a three-phase electrode where an ion transfer at the water|nitrobenzene interface is coupled to an electron transfer at the interface ITO|nitrobenzene. Journal of Electroanalytical Chemistry, 2004, 566, 371-377.	3.8	35
58	Chronocoulometric Study of the Electrochemistry of Prussian Blue. Journal of Physical Chemistry B, 2005, 109, 15483-15488.	2.6	35
59	The calculation of the solubility of metal hydroxides, oxide-hydroxides, and oxides, and their visualisation in logarithmic diagrams. ChemTexts, 2015, 1, 1.	1.9	35
60	Reduction of iodine at the organic liquid|aqueous solution|graphite electrode three-phase arrangement. Journal of Electroanalytical Chemistry, 2002, 522, 189-198.	3.8	33
61	Cyclic voltammetry of immobilized microparticles with in situ calorimetry. Journal of Electroanalytical Chemistry, 2002, 528, 27-32.	3.8	32
62	A comparison of simulated and experimental abrasive stripping voltammetric curves of ionic crystals: Reversible case. Journal of Electroanalytical Chemistry, 1993, 354, 1-9.	3.8	31
63	The electrochemical response of radiation defects of non-conducting materials An electrochemical access to age determinations. Journal of Electroanalytical Chemistry, 1995, 385, 139-142.	3.8	31
64	The role of redox mixed phases {ox x (C n red)1 â˜'x } in solid state electrochemical reactions and the effect of miscibility gaps in voltammetry. Journal of Solid State Electrochemistry, 1997, 1, 134-142.	2.5	28
65	The electrochemical oxidation of white phosphorus at a three-phase junction. Electrochemistry Communications, 2000, 2, 845-850.	4.7	28
66	In situ AFM evidence of the involvement of an oversaturated solution in the course of oxidation of silver nanocrystals to silver iodide and bromide crystals. Electrochemistry Communications, 2004, 6, 409-412.	4.7	28
67	Gibbs energies of transfer of chiral anions across the interface water|chiral organic solvent determined with the help of three-phase electrodes. Faraday Discussions, 2005, 129, 169.	3.2	28
68	The lipid composition determines the kinetics of adhesion and spreading of liposomes on mercury electrodes. Bioelectrochemistry, 2008, 74, 149-156.	4.6	28
69	Electrochemical Assay to Quantify the Hydroxyl Radical Scavenging Activity of Medicinal Plant Extracts. Electroanalysis, 2010, 22, 406-412.	2.9	28
70	The determination of the standard Gibbs energies of ion transfer between water and heavy water by using the three-phase electrode approach. Electrochemistry Communications, 2004, 6, 215-218.	4.7	27
71	Studying the coupled electronâ€“ion transfer reaction at a thin film-modified electrode by means of square-wave voltammetry. Journal of Electroanalytical Chemistry, 2006, 586, 86-97.	3.8	27
72	Cyclic voltammetry of immobilized microparticles with in situ calorimetry. Journal of Electroanalytical Chemistry, 2002, 528, 18-26.	3.8	26

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73	Comparative Study of the Thermodynamics and Kinetics of the Ion Transfer Across the Liquid|Liquid Interface by Means of Three-Phase Electrodes. Journal of Physical Chemistry B, 2005, 109, 13228-13236.	2.6	26
74	The adhesion and spreading of thrombocyte vesicles on electrode surfaces. Bioelectrochemistry, 2008, 74, 210-216.	4.6	25
75	The Electrochemistry of Liposomes. Israel Journal of Chemistry, 2008, 48, 169-184.	2.3	25
76	The overall adhesion-spreading process of liposomes on a mercury electrode is controlled by a mixed diffusion and reaction kinetics mechanism. Journal of Solid State Electrochemistry, 2009, 13, 639-649.	2.5	25
77	Electrochemical Age Determinations of Metallic Specimensâ€"Utilization of the Corrosion Clock. Accounts of Chemical Research, 2019, 52, 400-406.	15.6	25
78	Die Formalpotentiale fester Metallhexacyanometallate. Angewandte Chemie, 1995, 107, 2876-2878.	2.0	24
79	Modeling cyclic voltammograms of simultaneous electron and ion transfer reactions at a conic film three-phase electrode. Journal of Electroanalytical Chemistry, 2003, 540, 89-96.	3.8	24
80	The punctured droplet electrode â€“ A new three-phase electrode with well defined geometry. Electrochemistry Communications, 2007, 9, 386-392.	4.7	24
81	The Thermodynamics of Insertion Electrochemical Electrodesâ€"A Team Play of Electrons and Ions across Two Separate Interfaces. Angewandte Chemie - International Edition, 2019, 58, 3279-3284.	13.8	24
82	Studying ion transfers across a room temperature ionic liquidâˆ£aqueous electrolyte interface driven by redox reactions of lutetium bis(tetra-tert-butylphthalocyaninato). Journal of Electroanalytical Chemistry, 2007, 611, 192-200.	3.8	23
83	The quantitative analysis of mixed crystals CuS x Se 1- x with abrasive stripping voltammetry and a redetermination of the solubility product of CuSe and the standard potential of the Cu/CuSe electrode. Analytical and Bioanalytical Chemistry, 1996, 356, 267-270.	3.7	22
84	Permanent Wood Sequestration: The Solution to the Global Carbon Dioxide Problem. ChemSusChem, 2008, 1, 381-384.	6.8	22
85	pH dependent CO adsorption and roughness-induced selectivity of CO 2 electroreduction on gold surfaces. Electrochimica Acta, 2018, 264, 269-274.	5.2	22
86	Solid state electrochemical reactions in systems with miscibility gaps. Journal of Solid State Electrochemistry, 2000, 4, 394-401.	2.5	21
87	In situ AFM observation of the electrochemical reduction of a single silver sulphide crystal and the recrystallization of the resulting silver crystal. Electrochemistry Communications, 2005, 7, 173-176.	4.7	21
88	One redox probe (dmfc) can drive the transfer of anions and cations across the aqueous electrolyteâˆ£ionic liquid interface. Electrochemistry Communications, 2006, 8, 967-972.	4.7	20
89	The electrode responses of a tungsten bronze electrode differ in potentiometry and voltammetry and give access to the individual contributions of electron and proton transfer. Electrochemistry Communications, 2015, 56, 34-37.	4.7	20
90	Oxygen electroreduction on polycrystalline gold electrodes and on gold nanoparticle-modified glassy carbon electrodes. Journal of Solid State Electrochemistry, 2014, 18, 3299-3306.	2.5	19

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91	Electrochemical Signals of Mitochondria: A New Probe of Their Membrane Properties. Angewandte Chemie - International Edition, 2011, 50, 6872-6875.	13.8	18
92	Electrochemical Formation of Gold Nanoparticles on Polycrystalline Gold Electrodes during Prolonged Potential Cycling. ChemElectroChem, 2018, 5, 943-957.	3.4	18
93	Thermodynamics of the xanthoconite-proustite and pyrostilpnite-pyrargyrite phase transition as determined by abrasive stripping voltammetry. Physics and Chemistry of Minerals, 1993, 19, 486.	0.8	17
94	Nikolskyâ€™s ion exchange theory versus Bauckeâ€™s dissociation mechanism of the glass electrode. Journal of Solid State Electrochemistry, 2011, 15, 67-68.	2.5	17
95	The electrochemistry of particles, droplets, and vesicles â€“ the present situation and future tasks. Journal of Solid State Electrochemistry, 2011, 15, 1699-1702.	2.5	17
96	Estimation of individual Gibbs energies of cation transfer employing the insertion electrochemistry of solid Prussian blue. Journal of Electroanalytical Chemistry, 2011, 657, 117-122.	3.8	17
97	Electrochemistry of microparticles of tris (2,2â€²-bipyridine) ruthenium(II) hexafluorophosphate. Electrochemistry Communications, 2000, 2, 190-194.	4.7	16
98	Atomic force microscopy of the electrochemical reductive dissolution of sub-micrometer sized crystals of goethite immobilized on gold electrodes. Journal of Electroanalytical Chemistry, 2003, 556, 13-22.	3.8	16
99	Wilhelm Ostwaldâ€™s role in the genesis and evolution of the Nernst equation. Journal of Solid State Electrochemistry, 2017, 21, 1847-1859.	2.5	16
100	Electrochemical and mechanochemical formation of solid solutions of potassium copper(II)/zinc(II) hexacyanocobaltate(III)/hexacyanoferrate(III) KCuxZn1-x[hcc]x[hcf]1-x. Journal of Solid State Electrochemistry, 2005, 9, 380-389.	2.5	15
101	Tuning the size of silver deposits by templated electrodeposition using agarose gels. Journal of Solid State Electrochemistry, 2006, 10, 380-382.	2.5	15
102	Active sites of heterogeneous nucleation understood as chemical reaction sites. Electrochemistry Communications, 2011, 13, 932-933.	4.7	15
103	Dating of Archaeological Gold by Means of Solid State Electrochemistry. ChemElectroChem, 2018, 5, 2113-2117.	3.4	15
104	Three-phase electrochemistry with a hanging drop of water-insoluble liquid. Electrochimica Acta, 2008, 53, 5608-5614.	5.2	14
105	Activity changes of glassy carbon electrodes caused by their exposure to OHâ€¢ radicals. Electrochemistry Communications, 2010, 12, 1531-1534.	4.7	14
106	A solid-state redox buffer as interface of solid-contact ISEs. Electrochemistry Communications, 2010, 12, 955-957.	4.7	14
107	The growth of single crystal silver wires at the nitrobenzene|water interface. Physical Chemistry Chemical Physics, 2011, 13, 12254.	2.8	14
108	Irreversible electrostatic deposition of Prussian blue from colloidal solutions. Journal of Solid State Electrochemistry, 2011, 15, 2461-2468.	2.5	14

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109	Molecular mechanisms of phosphatidylcholine monolayer solidification due to hydroxyl radicals. Soft Matter, 2011, 7, 6467.	2.7	14
110	The treatment of Ag, Pd, Au and Pt electrodes with OHâ€¢ radicals reveals information on the nature of the electrocatalytic centers. Journal of Solid State Electrochemistry, 2011, 15, 2141-2147.	2.5	13
111	Acid-Base Diagrams. , 2013, , .		13
112	The pro-radical hydrogen peroxide as a stable hydroxyl radical distributor: lessons from pancreatic beta cells. Archives of Toxicology, 2022, 96, 1915-1920.	4.2	13
113	Stripping chronopotentiometry of immobilized microparticles. Journal of Electroanalytical Chemistry, 1998, 445, 81-87.	3.8	12
114	Study of the temporal distribution of the adhesion-spreading events of liposomes on a mercury electrode. Journal of Solid State Electrochemistry, 2009, 13, 1111-1114.	2.5	11
115	Rapid Automatic Determination of Calcium and Magnesium in Aqueous Solutions by FIA Using Potentiometric Detection. Electroanalysis, 2010, 22, 2172-2178.	2.9	11
116	The anfractuous pathways which led to the development of electrochemical stripping techniques. Journal of Solid State Electrochemistry, 2011, 15, 1509-1521.	2.5	11
117	Grain boundary corrosion of the surface of annealed thin layers of gold by OHÂ· radicals. Journal of Solid State Electrochemistry, 2012, 16, 2383-2389.	2.5	11
118	Stripping voltammetry microprobe (SPV): Substantial improvements of the protocol. Journal of Electroanalytical Chemistry, 2015, 745, 61-65.	3.8	11
119	Chemical Equilibria in Analytical Chemistry. , 2019, , .		11
120	Atomic force microscopic study of the chemical oxidation of silver crystals immobilized on platinum and on quartz. Electrochemistry Communications, 2006, 8, 1005-1010.	4.7	10
121	Reply to the Comment on Kinetics of the Adhesion of DMPC Liposomes on a Mercury Electrode. Effect of Lamellarity, Phase Composition, Size and Curvature of Liposomes, and Presence of the Pore Forming Peptide Mastoparan X. Langmuir, 2007, 23, 8650-8650.	3.5	10
122	Solvent-Independent Electrode Potentials of Solids Undergoing Insertion Electrochemical Reactions: Part III. Experimental Data for Prussian Blue Undergoing Electron Exchange Coupled to Cation Exchange. Journal of Physical Chemistry C, 2012, 116, 25993-25999.	3.1	10
123	Decreasing the time response of calibration-free pH sensors based on tungsten bronze nanocrystals. Journal of Electroanalytical Chemistry, 2017, 801, 315-318.	3.8	10
124	Voltammetry of microparticles of lutetium bisphthalocyanine. Journal of Solid State Electrochemistry, 2007, 12, 165-169.	2.5	9
125	Thermodynamics of Electrochemical Reactions. , 2010, , 11-31.		9
126	The role and fate of female electrochemists in the Soviet Union: Olâ€™ga Alâ€™fredovna Songinaâ€”a pioneer of electrochemical solid-state analysis and Yevgeniya Nikolayevna Varasovaâ€”a pioneer of polarography. Journal of Solid State Electrochemistry, 2013, 17, 1493-1504.	2.5	9

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127	Assessing the effect of the lipid environment on the redox potentials of the coenzymes Q10 and Q4 using lipid monolayers made of DOPC, DMPC, TMCL, TOCL, and natural cardiolipin (nCL) on mercury. Electrochemistry Communications, 2017, 81, 141-144.	4.7	9
128	MoÃ¨se HaÃ¨ssinsky: The Discoverer of Underpotential Deposition. ChemElectroChem, 2018, 5, 849-854.	3.4	9
129	Tafazzin-dependent cardiolipin composition in C6 glioma cells correlates with changes in mitochondrial and cellular functions, and cellular proliferation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 452-465.	2.4	9
130	Formation of gold surfaces with a strongly preferred {100}-orientation. Journal of Solid State Electrochemistry, 2013, 17, 3047-3053.	2.5	8
131	Simple preparation of carbonâ€“bimetal oxide nanospinels for high-performance bifunctional oxygen electrocatalysts. New Journal of Chemistry, 2018, 42, 20156-20162.	2.8	8
132	The acidâ€“base and redox properties of menaquinone MK-4, MK-7, and MK-9 (vitamin K2) in DMPC monolayers on mercury. European Biophysics Journal, 2020, 49, 279-288.	2.2	8
133	Influence of argon ion beam etching and thermal treatment on polycrystalline and single crystal gold electrodes Au(100) and Au(111). Journal of Electroanalytical Chemistry, 2019, 832, 233-240.	3.8	7
134	Glazunovâ€™s electrographyâ€”the first electrochemical imaging and the first solid-state electroanalysis. Journal of Solid State Electrochemistry, 2021, 25, 2705-2715.	2.5	7
135	Changes in Performance of DNA Biosensor Caused by Hydroxyl Radicals. Electroanalysis, 2011, 23, 55-62.	2.9	6
136	The effects of pretreatment of polycrystalline gold with OHâ€¢ radicals on the electrochemical nucleation and growth of platinum. Journal of Solid State Electrochemistry, 2012, 16, 1663-1673.	2.5	6
137	Membrane fluidity of tetramyristoyl cardiolipin (TMCL) liposomes studied by chronoamperometric monitoring of their adhesion and spreading at the surface of a mercury electrode. Journal of Solid State Electrochemistry, 2012, 16, 2391-2397.	2.5	6
138	Effect of NO on the adhesionâ€“spreading of DMPC and DOPC liposomes on electrodes, and the partition of NO between an aqueous phase and DMPC liposomes. Journal of Electroanalytical Chemistry, 2012, 671, 33-37.	3.8	6
139	Substrate-free Determination of the Radical Scavenging Activity of Phenolic Compounds by Photochemical Generation of Hydroxyl Radicals and HPLC-UV Detection. Separation Science and Technology, 2013, 48, 1123-1131.	2.5	6
140	The partition of salts (i) between two immiscible solution phases and (ii) between the solid salt phase and its saturated salt solution. ChemTexts, 2020, 6, 1.	1.9	6
141	Theory of a reversible redox reaction in an ionic liquid that is coupled to an ion transfer across the aqueous electrolyte/ionic liquid interface. Journal of Solid State Electrochemistry, 2007, 12, 41-45.	2.5	5
142	Mercury Electrodes are Indispensable Tools for Membrane Research. Review of Polarography, 2010, 56, 63-65.	0.1	5
143	Direct contact tungsten bronze electrodes for calibration-free potentiometric pH measurements. Electrochemistry Communications, 2015, 60, 17-20.	4.7	5
144	Electrochemical characterization of natural gold samples using the voltammetry of immobilized particles. Electrochemistry Communications, 2017, 85, 23-26.	4.7	5

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145	The electrochemistry of DPPH in three-phase electrode systems for ion transfer and ion association studies. Journal of Electroanalytical Chemistry, 2018, 823, 765-772.	3.8	5
146	Electrochemical dating of archaeological gold based on refined peak current determinations and Tafel analysis. Electrochimica Acta, 2020, 337, 135759.	5.2	5
147	What do I miss in todayâ€™s electrochemistry?. Journal of Solid State Electrochemistry, 2020, 24, 2177-2178.	2.5	5
148	Nobody can Drink from Closed Bottles, or why it is so Difficult to Completely Reduce Solid TiO₂ to Solid Ti. ChemPhysChem, 2010, 11, 2078-2079.	2.1	4
149	Electrochemical Studies of Solid Compounds and Materials. , 2010, , 223-235.		3
150	OH radical degradation of blocking aryl layers on glassy carbon and gold electrodes leads to film thinning on glassy carbon and pinhole films on gold. Electrochemistry Communications, 2013, 29, 33-36.	4.7	3
151	A chronopotentiometric sensor for assays of redox-active compounds. Electrochemistry Communications, 2014, 49, 18-20.	4.7	3
152	Die Thermodynamik von insertionselektrochemischen Elektroden â€“ ein Mannschaftsspiel Ã¼ber zwei separate GrenzflÃ¤chen. Angewandte Chemie, 2018, 131, 3314.	2.0	3
153	Acidâ€“base equilibria of amino acids: microscopic and macroscopic acidity constants. ChemTexts, 2018, 4, 1.	1.9	3
154	Tuning the Anodic and Cathodic Dissolution of Gold by Varying the Surface Roughness. ChemElectroChem, 2021, 8, 1524-1530.	3.4	3
155	A belated tribute to the electrochemist Ernst Salomon. Journal of Solid State Electrochemistry, 2010, 14, 699-703.	2.5	2
156	GyÃ¶rgy Inzelt - a tribute on the occasion of his 65th birthday. Journal of Solid State Electrochemistry, 2011, 15, 2277-2278.	2.5	2
157	Electrochemistry of Adhesion and Spreading of Lipid Vesicles on Electrodes. Modern Aspects of Electrochemistry, 2013, , 189-247.	0.2	2
158	ChemTextsâ€”The Textbook Journal of Chemistry. ChemTexts, 2015, 1, 1.	1.9	2
159	Acidâ€“Base Equilibria. , 2019, , 17-91.		2
160	Harry B. Mark, Jr.. Journal of Solid State Electrochemistry, 2003, 7, 187-188.	2.5	1
161	Oxygen ionic and mixed conductors: recent developments. Journal of Solid State Electrochemistry, 2006, 10, 515-516.	2.5	1
162	A tribute to Rolf Neeb (1929â€“2006) on the 80th anniversary of his birth. Analytical and Bioanalytical Chemistry, 2009, 395, 1571-1573.	3.7	1

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163	Galina Tsirlina joins as topical editor for â€œFundamental Electrochemistryâ€• Journal of Solid State Electrochemistry, 2010, 14, 347-347.	2.5	1
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165	Immobilized Droplets. , 2015, , 225-295.		1
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