Heike Kahlert

List of Publications by Year
in descending order

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54 papers	931 citations	516710 16 h-index	454955 30 g-index
58 all docs	58 docs citations	58 times ranked	1028 citing authors

#	Article	IF	Citations
1	The effects of the chemical environment of menaquinones in lipid monolayers on mercury electrodes on the thermodynamics and kinetics of their electrochemistry. European Biophysics Journal, 2021, 50, 731-743.	2.2	0
2	Protective Role of Sphingomyelin in Eye Lens Cell Membrane Model against Oxidative Stress. Biomolecules, 2021, 11, 276.	4.0	12
3	Self-assembled mono- and bilayers on gold electrodes to assess antioxidantsâ€"a comparative study. Journal of Solid State Electrochemistry, 2020, 24, 3003-3011.	2.5	4
4	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
5	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
6	Redoxgleichgewichte. , 2020, , 147-179.		0
7	SÃure-Base-Gleichgewichte. , 2020, , 17-98.		0
8	Verteilungsgleichgewichte. , 2020, , 181-190.		0
9	LÃ¶slichkeitsgleichgewichte. , 2020, , 121-145.		0
10	Titrationen. , 2020, , 191-265.		0
11	Solubility Equilibria. , 2019, , 107-134.		0
12	Titrations. , 2019, , 169-242.		0
13	Chemical Equilibria in Analytical Chemistry. , 2019, , .		11
14	Detoxification of gold surfaces by OHâ€¢ treatment. Gold Bulletin, 2019, 52, 99-103.	2.4	0
15	Generalization of Acidâ€Base Diagrams Based on the Unified pHâ€Scale. ChemPhysChem, 2019, 20, 1779-1785.	2.1	6
16	Impact of gold-1-decanethiol-SAM formation and removal cycles on the surface properties of polycrystalline gold and SAM quality. Journal of Solid State Electrochemistry, 2018, 22, 1149-1154.	2.5	6
17	Acidâ€"base equilibria of amino acids: microscopic and macroscopic acidity constants. ChemTexts, 2018, 4, 1.	1.9	3
18	Titrationen. , 2018, , 171-248.		0

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19	Redoxgleichgewichte. , 2018, , 137-169.		0
20	LÃ¶slichkeitsgleichgewichte. , 2018, , 109-135.		0
21	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
22	Colour maps of acidâ€“base titrations with colour indicators: how to choose the appropriate indicator and how to estimate the systematic titration errors. ChemTexts, 2016, 2, 1.	1.9	22
23	Voltammetric analysis of Pinus needles with physiological, phylogenetic, and forensic applications. Analytical and Bioanalytical Chemistry, 2016, 408, 4943-4952.	3.7	15
24	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
25	Direct contact tungsten bronze electrodes for calibration-free potentiometric pH measurements. Electrochemistry Communications, 2015, 60, 17-20.	4.7	5
26	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
27	A chronopotentiometric sensor for assays of redox-active compounds. Electrochemistry Communications, 2014, 49, 18-20.	4.7	3
28	Determination of the titratable acidity and the pH of wine based on potentiometric flow injection analysis. Talanta, 2013, 111, 134-139.	5.5	19
29	Acid-Base Diagrams. , 2013, , .		13
30	Irreversible electrostatic deposition of Prussian blue from colloidal solutions. Journal of Solid State Electrochemistry, 2011, 15, 2461-2468.	2.5	14
31	Electrochemical Assay to Quantify the Hydroxyl Radical Scavenging Activity of Medicinal Plant Extracts. Electroanalysis, 2010, 22, 406-412.	2.9	28
32	Rapid Automatic Determination of Calcium and Magnesium in Aqueous Solutions by FIA Using Potentiometric Detection. Electroanalysis, 2010, 22, 2172-2178.	2.9	11
33	A solid-state redox buffer as interface of solid-contact ISEs. Electrochemistry Communications, 2010, 12, 955-957.	4.7	14
34	Functionalized carbon electrodes for pH determination. Journal of Solid State Electrochemistry, 2008, 12, 1255-1266.	2.5	50
35	A potential high-throughput method for the determination of lipase activity by potentiometric flow injection titrations. Analytica Chimica Acta, 2008, 610, 44-49.	5.4	10
36	Indirect Electrochemical Sensing of Radicals and Radical Scavengers in Biological Matrices. Angewandte Chemie - International Edition, 2007, 46, 8079-8081.	13.8	59

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37	A model of mass transport near the tube wall in a flow-injection manifold. Analytica Chimica Acta, 2007, 602, 75-81.	5.4	4
38	Catalytic reduction of hydrogen peroxide at metal hexacyanoferrate composite electrodes and applications in enzymatic analysis. Electrochimica Acta, 2007, 52, 1968-1974.	5.2	54
39	Application of a New pH-Sensitive Electrode as a Detector in Flow Injection Potentiometry. Electroanalysis, 2005, 17, 1085-1090.	2.9	16
40	FIA acidâ€“base titrations with a new flow-through pH detector. Analytical and Bioanalytical Chemistry, 2005, 382, 1981-1986.	3.7	16
41	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
42	Teaching pH Measurements with a Student-Assembled Combination Quinhydrone Electrode. Journal of Chemical Education, 2005, 82, 782.	2.3	15
43	Chronocoulometric Study of the Electrochemistry of Prussian Blue. Journal of Physical Chemistry B, 2005, 109, 15483-15488.	2.6	35
44	Potentiometry. , 2005, , 223-241.		1
45	A New Calibration Free pH-Probe for In Situ Measurements of Soil pH. Electroanalysis, 2004, 16, 2058-2064.	2.9	13
46	The Structure Investigation of Copper, Nickel and Iron Hexacyanometalates from Conventional X-Ray Powder Diffraction Data. Materials Science Forum, 2004, 443-444, 345-348.	0.3	1
47	Structure, Insertion Electrochemistry, and Magnetic Properties of a New Type of Substitutional Solid Solutions of Copper, Nickel, and Iron Hexacyanoferrates/Hexacyanocobaltates.. ChemInform, 2003, 34, no.	0.0	0
48	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
49	Determination of iodide in urine by ion-pair chromatography with electrochemical detection. Fresenius' Journal of Analytical Chemistry, 2001, 371, 431-436.	1.5	17
50	On the Determination of the Diffusion Coefficients of Electrons and of Potassium Ions in Copper(II) Hexacyanoferrate(II) Composite Electrodes. Journal of Physical Chemistry B, 1998, 102, 8757-8765.	2.6	82
51	A graphite silver(I) hexacyanoferrate(III) composite electrode for the determination of iron (III) ions. Electroanalysis, 1997, 9, 922-925.	2.9	16
52	Hexacyanoferrate-based composite ion-sensitive electrodes for voltammetry. Fresenius' Journal of Analytical Chemistry, 1996, 355, 21-28.	1.5	76
53	A Prussian blue-based reactive electrode (reactrode) for the determination of thallium ions. Analytical and Bioanalytical Chemistry, 1996, 356, 204-208.	3.7	23
54	A solid composite pH sensor based on quinhydrone. Electroanalysis, 1995, 7, 889-894.	2.9	38