

Heike Kahlert

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6796131/publications.pdf>

Version: 2024-02-01

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	Structure, Insertion Electrochemistry, and Magnetic Properties of a New Type of Substitutional Solid Solutions of Copper, Nickel, and Iron Hexacyanoferrates/Hexacyanocobaltates. <i>Inorganic Chemistry</i> , 2002, 41, 5706-5715.	4.0	120
2	On the Determination of the Diffusion Coefficients of Electrons and of Potassium Ions in Copper(II) Hexacyanoferrate(II) Composite Electrodes. <i>Journal of Physical Chemistry B</i> , 1998, 102, 8757-8765.	2.6	82
3	Hexacyanoferrate-based composite ion-sensitive electrodes for voltammetry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1996, 355, 21-28.	1.5	76
4	Indirect Electrochemical Sensing of Radicals and Radical Scavengers in Biological Matrices. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8079-8081.	13.8	59
5	Catalytic reduction of hydrogen peroxide at metal hexacyanoferrate composite electrodes and applications in enzymatic analysis. <i>Electrochimica Acta</i> , 2007, 52, 1968-1974.	5.2	54
6	Functionalized carbon electrodes for pH determination. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1255-1266.	2.5	50
7	A solid composite pH sensor based on quinhydrone. <i>Electroanalysis</i> , 1995, 7, 889-894.	2.9	38
8	Chronocoulometric Study of the Electrochemistry of Prussian Blue. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15483-15488.	2.6	35
9	The calculation of the solubility of metal hydroxides, oxide-hydroxides, and oxides, and their visualisation in logarithmic diagrams. <i>ChemTexts</i> , 2015, 1, 1.	1.9	35
10	Electrochemical Assay to Quantify the Hydroxyl Radical Scavenging Activity of Medicinal Plant Extracts. <i>Electroanalysis</i> , 2010, 22, 406-412.	2.9	28
11	A Prussian blue-based reactive electrode (reactrode) for the determination of thallium ions. <i>Analytical and Bioanalytical Chemistry</i> , 1996, 356, 204-208.	3.7	23
12	Colour maps of acid-base titrations with colour indicators: how to choose the appropriate indicator and how to estimate the systematic titration errors. <i>ChemTexts</i> , 2016, 2, 1.	1.9	22
13	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. <i>Electrochemistry Communications</i> , 2015, 56, 34-37.	4.7	20
14	Determination of the titratable acidity and the pH of wine based on potentiometric flow injection analysis. <i>Talanta</i> , 2013, 111, 134-139.	5.5	19
15	Determination of iodide in urine by ion-pair chromatography with electrochemical detection. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 431-436.	1.5	17
16	A graphite silver(I) hexacyanoferrate(III) composite electrode for the determination of iron (III) ions. <i>Electroanalysis</i> , 1997, 9, 922-925.	2.9	16
17	Application of a New pH-Sensitive Electrode as a Detector in Flow Injection Potentiometry. <i>Electroanalysis</i> , 2005, 17, 1085-1090.	2.9	16
18	FIA acid-base titrations with a new flow-through pH detector. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1981-1986.	3.7	16

#	ARTICLE	IF	CITATIONS
19	Electrochemical and mechanochemical formation of solid solutions of potassium copper(II)/zinc(II) hexacyanocobaltate(III)/hexacyanoferrate(III) $KCuxZn_{1-x}[hcc]_x[hcf]_{1-x}$. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 380-389.	2.5	15
20	Teaching pH Measurements with a Student-Assembled Combination Quinhydrone Electrode. <i>Journal of Chemical Education</i> , 2005, 82, 782.	2.3	15
21	Voltammetric analysis of Pinus needles with physiological, phylogenetic, and forensic applications. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4943-4952.	3.7	15
22	A solid-state redox buffer as interface of solid-contact ISEs. <i>Electrochemistry Communications</i> , 2010, 12, 955-957.	4.7	14
23	Irreversible electrostatic deposition of Prussian blue from colloidal solutions. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 2461-2468.	2.5	14
24	A New Calibration Free pH-Probe for In Situ Measurements of Soil pH. <i>Electroanalysis</i> , 2004, 16, 2058-2064.	2.9	13
25	Acid-Base Diagrams. , 2013, , .		13
26	Protective Role of Sphingomyelin in Eye Lens Cell Membrane Model against Oxidative Stress. <i>Biomolecules</i> , 2021, 11, 276.	4.0	12
27	Rapid Automatic Determination of Calcium and Magnesium in Aqueous Solutions by FIA Using Potentiometric Detection. <i>Electroanalysis</i> , 2010, 22, 2172-2178.	2.9	11
28	Chemical Equilibria in Analytical Chemistry. , 2019, , .		11
29	A potential high-throughput method for the determination of lipase activity by potentiometric flow injection titrations. <i>Analytica Chimica Acta</i> , 2008, 610, 44-49.	5.4	10
30	Decreasing the time response of calibration-free pH sensors based on tungsten bronze nanocrystals. <i>Journal of Electroanalytical Chemistry</i> , 2017, 801, 315-318.	3.8	10
31	The acid-base and redox properties of menaquinone MK-4, MK-7, and MK-9 (vitamin K2) in DMPC monolayers on mercury. <i>European Biophysics Journal</i> , 2020, 49, 279-288.	2.2	8
32	Impact of gold-1-decanethiol-SAM formation and removal cycles on the surface properties of polycrystalline gold and SAM quality. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1149-1154.	2.5	6
33	Generalization of Acid-Base Diagrams Based on the Unified pH- ϵ Scale. <i>ChemPhysChem</i> , 2019, 20, 1779-1785.	2.1	6
34	The partition of salts (i) between two immiscible solution phases and (ii) between the solid salt phase and its saturated salt solution. <i>ChemTexts</i> , 2020, 6, 1.	1.9	6
35	Direct contact tungsten bronze electrodes for calibration-free potentiometric pH measurements. <i>Electrochemistry Communications</i> , 2015, 60, 17-20.	4.7	5
36	A model of mass transport near the tube wall in a flow-injection manifold. <i>Analytica Chimica Acta</i> , 2007, 602, 75-81.	5.4	4

#	ARTICLE	IF	CITATIONS
37	Self-assembled mono- and bilayers on gold electrodes to assess antioxidants—a comparative study. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 3003-3011.	2.5	4
38	A chronopotentiometric sensor for assays of redox-active compounds. <i>Electrochemistry Communications</i> , 2014, 49, 18-20.	4.7	3
39	Acid–base equilibria of amino acids: microscopic and macroscopic acidity constants. <i>ChemTexts</i> , 2018, 4, 1.	1.9	3
40	The Structure Investigation of Copper, Nickel and Iron Hexacyanometalates from Conventional X-Ray Powder Diffraction Data. <i>Materials Science Forum</i> , 2004, 443-444, 345-348.	0.3	1
41	Potentiometry. , 2005, , 223-241.		1
42	Structure, Insertion Electrochemistry, and Magnetic Properties of a New Type of Substitutional Solid Solutions of Copper, Nickel, and Iron Hexacyanoferrates/Hexacyanocobaltates.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
43	Solubility Equilibria. , 2019, , 107-134.		0
44	Titrations. , 2019, , 169-242.		0
45	Detoxification of gold surfaces by OH ⁻ treatment. <i>Gold Bulletin</i> , 2019, 52, 99-103.	2.4	0
46	The effects of the chemical environment of menaquinones in lipid monolayers on mercury electrodes on the thermodynamics and kinetics of their electrochemistry. <i>European Biophysics Journal</i> , 2021, 50, 731-743.	2.2	0
47	Titrationen. , 2018, , 171-248.		0
48	Redoxgleichgewichte. , 2018, , 137-169.		0
49	Löslichkeitsgleichgewichte. , 2018, , 109-135.		0
50	Redoxgleichgewichte. , 2020, , 147-179.		0
51	Säure-Base-Gleichgewichte. , 2020, , 17-98.		0
52	Verteilungsgleichgewichte. , 2020, , 181-190.		0
53	Löslichkeitsgleichgewichte. , 2020, , 121-145.		0
54	Titrationen. , 2020, , 191-265.		0