Ludwig A Kibler

List of Publications by Year
in descending order

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Version: 2024-02-01

52 papers	1,972 citations	471509 17 h-index	243625 44 g-index
70 all docs	70 docs citations	70 times ranked	2614 citing authors

#	Article	IF	Citations
1	Inâ€Liquid Plasma for Surface Engineering of Cu Electrodes with Incorporated SiO₂ Nanoparticles: From Micro to Nano. Advanced Functional Materials, 2022, 32, 2107058.	14.9	12
2	Electrodeposition of Cu onto Au(111) from Deep Eutectic Solvents: Molar Ratio of Salt and Hydrogen Bond Donor. ChemElectroChem, 2022, 9, .	3.4	6
3	Cathodic corrosion of Au in aqueous methanolic alkali metal hydroxide electrolytes: Notable role of water. Electrochemical Science Advances, 2022, 2, .	2.8	6
4	Hydrogen Peroxide Oxidation Reaction on a 4-Mercaptopyridine Self-Assembled Monolayer on Au(111) Metallized by Platinum Nanoislands. Electrocatalysis, 2021, 12, 264-271.	3.0	1
5	An affordable option to Au single crystals through cathodic corrosion of a wire: Fabrication, electrochemical behavior, and applications in electrocatalysis and spectroscopy. Electrochimica Acta, 2021, 372, 137867.	5.2	12
6	Formic acid oxidation reaction on Au(111) electrodes modified with 4-mercaptopyridine SAM. Electrochimica Acta, 2021, 388, 138547.	5.2	6
7	Tailoring the electrode surface structure by cathodic corrosion in alkali metal hydroxide solution: Nanostructuring and faceting of Au. Current Opinion in Electrochemistry, 2021, 27, 100696.	4.8	12
8	The Effect of pH and Anion Adsorption on Formic Acid Oxidation on Au(111) Electrodes. Electrochimica Acta, 2021, 385, 138279.	5.2	9
9	Electrodeposition of Zinc onto Au(111) and Au(100) from the Ionic Liquid [MPPip][TFSI]. Angewandte Chemie, 2021, 133, 20624-20631.	2.0	0
10	Electrodeposition of Zinc onto Au(111) and Au(100) from the Ionic Liquid [MPPip][TFSI]. Angewandte Chemie - International Edition, 2021, 60, 20461-20468.	13.8	12
11	Structural evolution of Pt, Au, and Cu anodes by electrolysis up to contact glow discharge electrolysis in alkaline electrolytes. ChemPhysChem, 2021, 22, 2429-2441.	2.1	8
12	Versatile 3Dâ€Printed Microâ€Reference Electrodes for Aqueous and Nonâ€Aqueous Solutions. Angewandte Chemie - International Edition, 2021, 60, 22783-22790.	13.8	6
13	Versatile 3Dâ€Printed Microâ€Reference Electrodes for Aqueous and Nonâ€Aqueous Solutions. Angewandte Chemie, 2021, 133, 22965.	2.0	0
14	Potential-dependent reconstruction kinetics probed by HER on Au(111) electrodes. Electrochimica Acta, 2020, 347, 136287.	5.2	9
15	Adsorption of Acetate on Au(111): An inâ€situ Scanning Tunnelling Microscopy Study and Implications on Formic Acid Electrooxidation. ChemPhysChem, 2019, 20, 2989-2996.	2.1	10
16	An Electrochemical Route for Hot Alkaline Blackening of Steel: A Nitrite Free Approach. Surfaces, 2019, 2, 216-228.	2.3	3
17	Electrodeposition of Ag onto Au(111) from Deep Eutectic Solvents. ChemElectroChem, 2019, 6, 141-146.	3.4	11
18	Electrocatalytic Behavior of Pd and Pt Nanoislands Deposited onto 4,4â€²-Dithiodipyridine SAMs on Au(111). Electrocatalysis, 2018, 9, 505-513.	3.0	10

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19	Enhanced Electrocatalytic Oxidation of Formic Acid on Au(111) in the Presence of Pyridine. Journal of the Electrochemical Society, 2018, 165, J3192-J3198.	2.9	12
20	New insights on hydrogen evolution at Au single crystal electrodes. Current Opinion in Electrochemistry, 2018, 9, 265-270.	4.8	18
21	Repulsive Interactions Induced by Specific Adsorption: Anomalous Step Diffusivity and Inadequacy of Nearest-Neighbor Ising Model (Part II Theory). Surface Science, 2017, 659, 52-57.	1.9	2
22	Temperature-Dependent Kinetic Studies of the Chlorine Evolution Reaction over RuO₂(110) Model Electrodes. ACS Catalysis, 2017, 7, 2403-2411.	11.2	111
23	Potentiodynamic Chromium Deposition from Trivalent and Hexavalent Systems on Glassy Carbon Electrodes: Initial Stages and Mechanistic Insights. ChemElectroChem, 2017, 4, 1390-1394.	3.4	3
24	Electrocatalytic Oxidation of Formate and Formic Acid on Platinum and Gold: Study of pH Dependence with Phosphate Buffers. Electrocatalysis, 2017, 8, 509-517.	3.0	15
25	Elementary Reaction Steps in Electrocatalysis: Theory Meets Experiment. Electrocatalysis, 2017, 8, 499-500.	3.0	1
26	Electrodeposition of Ag Overlayers onto Pt(111): Structural, Electrochemical and Electrocatalytic Properties. Electrocatalysis, 2017, 8, 605-615.	3.0	4
27	Repulsive interactions induced by specific adsorption: Anomalous step diffusivity and inadequacy of nearest-neighbor Ising model. Surface Science, 2016, 651, 84-93.	1.9	3
28	Adsorption of Formate on Au(111) in Acid Solution: Relevance for Electro-Oxidation of Formic Acid. Journal of Physical Chemistry C, 2016, 120, 16238-16245.	3.1	23
29	Electrochemical performance of boronâ€doped diamond films on tungsten rods with silicon interlayer. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2958-2963.	1.8	1
30	Electrochemical Fabrication of Well-Defined Spherical Iridium Nanoparticles and Electrocatalytic Activity towards Carbon Monoxide Adlayer Oxidation. Electrocatalysis, 2015, 6, 365-372.	3.0	4
31	Step Dipole Moment and Step Line Tension on Au(100) in Aqueous KBr electrolyte. Electrochimica Acta, 2015, 180, 427-434.	5.2	3
32	Homoepitaxial electrodeposition on reconstructed and unreconstructed Au(100): An in-situ STM study. Surface Science, 2015, 631, 130-134.	1.9	2
33	Restructuring of an Ir(210) electrode surface by potential cycling. Beilstein Journal of Nanotechnology, 2014, 5, 1349-1356.	2.8	6
34	Bimetallic alloys in action: dynamic atomistic motifs for electrochemistry and catalysis. Physical Chemistry Chemical Physics, 2014, 16, 15029-15042.	2.8	30
35	Electrooxidation of formic acid on gold: An ATR-SEIRAS study of the role of adsorbed formate. Catalysis Today, 2013, 202, 79-86.	4.4	62
36	Electrocatalytic Behaviour of Epitaxial Ag(111) Overlayers Electrodeposited onto Noble Metals: Electrooxidation of d-Glucose. Electrocatalysis, 2012, 3, 170-175.	3.0	6

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37	Hydrogen Evolution Electrocatalysis on AgPd(111) Alloys. Electrocatalysis, 2011, 2, 192-199.	3.0	19
38	Electrocatalytic Oxidation of CO at Pt Modified with Manganese Oxide Nanorods. Electrocatalysis, 2011, 2, 220-223.	3.0	3
39	Preparation and Electrochemical Behavior of PtRu(111) Alloy Singleâ€Crystal Surfaces. ChemPhysChem, 2010, 11, 2906-2911.	2.1	18
40	Incorporation of Pd into Au(111): enhanced electrocatalytic activity for the hydrogen evolution reaction. Physical Chemistry Chemical Physics, 2010, 12, 15225.	2.8	36
41	Electrochemical behaviour of nano-faceted Ir(210). Electrochemistry Communications, 2009, 11, 31-33.	4.7	8
42	Enhanced electro-oxidation of formic acid at manganese oxide single crystalline nanorod-modified Pt electrodes. Electrochemistry Communications, 2009, 11, 776-778.	4.7	40
43	Dependence of electrocatalytic activity on film thickness for the hydrogen evolution reaction of Pd overlayers on Au(111). Electrochimica Acta, 2008, 53, 6824-6828.	5.2	74
44	First principles studies of the potential-induced lifting of the Au(100) surface reconstruction. Chemical Physics Letters, 2008, 455, 47-51.	2.6	20
45	Variation of the potential of zero charge for a silver monolayer deposited onto various noble metal single crystal surfaces. Electrochimica Acta, 2007, 52, 5654-5658.	5.2	29
46	Potential of zero free charge of Pd overlayers on Pt(111). Electrochimica Acta, 2006, 51, 2518-2522.	5.2	47
47	Hydrogen Electrocatalysis. ChemPhysChem, 2006, 7, 985-991.	2.1	257
48	Hydrogen Evolution Over Bimetallic Systems: Understanding the Trends. ChemPhysChem, 2006, 7, 1032-1035.	2.1	351
49	Tuning Reaction Rates by Lateral Strain in a Palladium Monolayer. Angewandte Chemie - International Edition, 2005, 44, 2080-2084.	13.8	523
50	The double layer capacity of Pt(100) in aqueous perchlorate solutions. Electrochemistry Communications, 2002, 4, 787-789.	4.7	31
51	An Interfacial Study of Au(111) Electrodes in Deep Eutectic Solvents. ChemElectroChem, 0, , .	3.4	2
52	An Interfacial Study of Au(111) Electrodes in Deep Eutectic Solvents. ChemElectroChem, 0, , .	3.4	0