Albert Kilian Engstfeld

List of Publications by Year
in descending order

22 papers	3,129 citations	933447 10 h-index	752698 20 g-index
27 all docs	27 docs citations	27 times ranked	3751 citing authors

#	Article	IF	Citations
1	Progress and Perspectives of Electrochemical CO₂ Reduction on Copper in Aqueous Electrolyte. Chemical Reviews, 2019, 119, 7610-7672.	47.7	2,708
2	Growth morphology and properties of metals on graphene. Progress in Surface Science, 2015, 90, 397-443.	8.3	123
3	Electroreduction of CO on Polycrystalline Copper at Low Overpotentials. ACS Energy Letters, 2018, 3, 634-640.	17.4	73
4	Polycrystalline and Singleâ€Crystal Cu Electrodes: Influence of Experimental Conditions on the Electrochemical Properties in Alkaline Media. Chemistry - A European Journal, 2018, 24, 17743-17755.	3.3	46
5	Potentialâ€Induced Surface Restructuringâ€"The Need for Structural Characterization in Electrocatalysis Research. Angewandte Chemie - International Edition, 2014, 53, 12936-12940.	13.8	36
6	Directed assembly of Ru nanoclusters on Ru(0001)-supported graphene: STM studies and atomistic modeling. Physical Review B, 2012, 86, .	3.2	27
7	Electro-oxidation of methanol on Ru-core Pt-shell type model electrodes. Electrochimica Acta, 2019, 311, 244-254.	5.2	19
8	Selective Modification and Probing of the Electrocatalytic Activity of Step Sites. Journal of the American Chemical Society, 2020, 142, 1278-1286.	13.7	15
9	Anodic molecular hydrogen formation on Ru and Cu electrodes. Catalysis Science and Technology, 2020, 10, 6870-6878.	4.1	15
10	Growth of PtRu Clusters on Ru(0001)â€Supported Monolayer Graphene Films. ChemPhysChem, 2012, 13, 3313-3319.	2.1	14
11	Pt nanocluster size effects in the hydrogen evolution reaction: approaching the theoretical maximum activity. Physical Chemistry Chemical Physics, 2020, 22, 19059-19068.	2.8	10
12	Potentialinduzierte OberflÃchenrestrukturierung â€" die Bedeutung der strukturellen Charakterisierung in der Elektrokatalyse. Angewandte Chemie, 2014, 126, 13150-13154.	2.0	9
13	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
14	Adlayer growth vs spontaneous (near-) surface alloy formation: Zn growth on Au(111). Journal of Chemical Physics, 2020, 152, 124701.	3.0	7
15	Versatile 3Dâ€Printed Microâ€Reference Electrodes for Aqueous and Nonâ€Aqueous Solutions. Angewandte Chemie - International Edition, 2021, 60, 22783-22790.	13.8	6
16	Ru(0001) surface electrochemistry in the presence of specifically adsorbing anions. Electrochimica Acta, 2021, 389, 138350.	5.2	4
17	Challenges in bimetallic multilayer structure formation: Pt growth on Cu monolayers on Ru(0001). Physical Chemistry Chemical Physics, 2017, 19, 24100-24114.	2.8	3
18	Bifunctional versus Defectâ€Mediated Effects in Electrocatalytic Methanol Oxidation. ChemPhysChem, 2021, 22, 828-832.	2.1	3

#	Article	IF	Citations
19	Interaction of bimetallic Zn/Au(111) surfaces with O2 or NO2 and formation of ZnOx/Au(111). Surface Science, 2021, 711, 121863.	1.9	2
20	Low-temperature nucleation and growth of Zn on Au(111) and thermal stability toward (surface) alloy formation. Journal of Chemical Physics, 2021, 155, 124704.	3.0	1
21	Versatile 3Dâ€Printed Microâ€Reference Electrodes for Aqueous and Nonâ€Aqueous Solutions. Angewandte Chemie, 2021, 133, 22965.	2.0	0
22	Interface Phenomena. ChemPhysChem, 2021, 22, 2497-2497.	2.1	0