

Albert Kilian Engstfeld

List of Publications by Year in descending order

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Version: 2024-02-01

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	Bifunctional versus Defect-Mediated Effects in Electrocatalytic Methanol Oxidation. <i>ChemPhysChem</i> , 2021, 22, 828-832.	2.1	3
2	Interaction of bimetallic Zn/Au(111) surfaces with O ₂ or NO ₂ and formation of ZnOx/Au(111). <i>Surface Science</i> , 2021, 711, 121863.	1.9	2
3	Structural evolution of Pt, Au, and Cu anodes by electrolysis up to contact glow discharge electrolysis in alkaline electrolytes. <i>ChemPhysChem</i> , 2021, 22, 2429-2441.	2.1	8
4	Versatile 3D-Printed Micro-Reference Electrodes for Aqueous and Non-Aqueous Solutions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22783-22790.	13.8	6
5	Ru(0001) surface electrochemistry in the presence of specifically adsorbing anions. <i>Electrochimica Acta</i> , 2021, 389, 138350.	5.2	4
6	Low-temperature nucleation and growth of Zn on Au(111) and thermal stability toward (surface) alloy formation. <i>Journal of Chemical Physics</i> , 2021, 155, 124704.	3.0	1
7	Versatile 3D-Printed Micro-Reference Electrodes for Aqueous and Non-Aqueous Solutions. <i>Angewandte Chemie</i> , 2021, 133, 22965.	2.0	0
8	Interface Phenomena. <i>ChemPhysChem</i> , 2021, 22, 2497-2497.	2.1	0
9	Selective Modification and Probing of the Electrocatalytic Activity of Step Sites. <i>Journal of the American Chemical Society</i> , 2020, 142, 1278-1286.	13.7	15
10	Pt nanocluster size effects in the hydrogen evolution reaction: approaching the theoretical maximum activity. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19059-19068.	2.8	10
11	Anodic molecular hydrogen formation on Ru and Cu electrodes. <i>Catalysis Science and Technology</i> , 2020, 10, 6870-6878.	4.1	15
12	Adlayer growth vs spontaneous (near-) surface alloy formation: Zn growth on Au(111). <i>Journal of Chemical Physics</i> , 2020, 152, 124701.	3.0	7
13	Progress and Perspectives of Electrochemical CO ₂ Reduction on Copper in Aqueous Electrolyte. <i>Chemical Reviews</i> , 2019, 119, 7610-7672.	47.7	2,708
14	Electro-oxidation of methanol on Ru-core Pt-shell type model electrodes. <i>Electrochimica Acta</i> , 2019, 311, 244-254.	5.2	19
15	Electroreduction of CO on Polycrystalline Copper at Low Overpotentials. <i>ACS Energy Letters</i> , 2018, 3, 634-640.	17.4	73
16	Polycrystalline and Single-Crystal Cu Electrodes: Influence of Experimental Conditions on the Electrochemical Properties in Alkaline Media. <i>Chemistry - A European Journal</i> , 2018, 24, 17743-17755.	3.3	46
17	Challenges in bimetallic multilayer structure formation: Pt growth on Cu monolayers on Ru(0001). <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24100-24114.	2.8	3
18	Growth morphology and properties of metals on graphene. <i>Progress in Surface Science</i> , 2015, 90, 397-443.	8.3	123

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19	Potential-Induced Surface Restructuring – The Need for Structural Characterization in Electrocatalysis Research. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12936-12940.	13.8	36
20	Potentialinduzierte Oberflächenrestrukturierung – die Bedeutung der strukturellen Charakterisierung in der Elektrokatalyse. <i>Angewandte Chemie</i> , 2014, 126, 13150-13154.	2.0	9
21	Directed assembly of Ru nanoclusters on Ru(0001)-supported graphene: STM studies and atomistic modeling. <i>Physical Review B</i> , 2012, 86, .	3.2	27
22	Growth of PtRu Clusters on Ru(0001)-Supported Monolayer Graphene Films. <i>ChemPhysChem</i> , 2012, 13, 3313-3319.	2.1	14