

Andreas Wagner

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

877
citations

759233

12
h-index

1125743

13
g-index

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14
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1219
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards molecular understanding of local chemical environment effects in electro- and photocatalytic CO ₂ reduction. <i>Nature Catalysis</i> , 2020, 3, 775-786.	34.4	385
2	Functionalization of robust Zr(^{IV})-based metal-organic framework films via a postsynthetic ligand exchange. <i>Chemical Communications</i> , 2015, 51, 66-69.	4.1	107
3	Solar Water Splitting with a Hydrogenase Integrated in Photoelectrochemical Tandem Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10595-10599.	13.8	93
4	A Precious-Metal-Free Hybrid Electrolyzer for Alcohol Oxidation Coupled to CO ₂ to Syngas Conversion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15633-15641.	13.8	62
5	Fast CO ₂ hydration kinetics impair heterogeneous but improve enzymatic CO ₂ reduction catalysis. <i>Nature Chemistry</i> , 2022, 14, 417-424.	13.6	50
6	Host-Guest Chemistry Meets Electrocatalysis: Cucurbit[6]uril on a Au Surface as a Hybrid System in CO ₂ Reduction. <i>ACS Catalysis</i> , 2020, 10, 751-761.	11.2	43
7	Mechanistic study of an immobilized molecular electrocatalyst by in situ gap-plasmon-assisted spectro-electrochemistry. <i>Nature Catalysis</i> , 2021, 4, 157-163.	34.4	36
8	Imidazolium-modification enhances photocatalytic CO ₂ reduction on ZnSe quantum dots. <i>Chemical Science</i> , 2021, 12, 9078-9087.	7.4	31
9	A One-Pot Route to Faceted FePt ₃ O ₄ Dumbbells: Probing Morphology-Catalytic Activity Effects in O ₂ Reduction Catalysis. <i>Advanced Functional Materials</i> , 2020, 30, 2002633.	14.9	18
10	A Precious-Metal-Free Hybrid Electrolyzer for Alcohol Oxidation Coupled to CO ₂ to Syngas Conversion. <i>Angewandte Chemie</i> , 2020, 132, 15763-15771.	2.0	17
11	Solar Water Splitting with a Hydrogenase Integrated in Photoelectrochemical Tandem Cells. <i>Angewandte Chemie</i> , 2018, 130, 10755-10759.	2.0	16
12	Elucidating Film Loss and the Role of Hydrogen Bonding of Adsorbed Redox Enzymes by Electrochemical Quartz Crystal Microbalance Analysis. <i>ACS Catalysis</i> , 2022, 12, 1886-1897.	11.2	16
13	The potential of ion beams for characterization of metal-organic frameworks. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 371, 327-331.	1.4	3
14	Host-guest Chemistry Meets Electrocatalysis: Cucurbit[6]uril on a Au Surface as Hybrid System in CO ₂ Reduction. , 0, , .		0