

Christian Iffelsberger

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Tunable Room-Temperature Synthesis of ReS_2 Bicatalyst on 3D- and 2D-Printed Electrodes for Photo- and Electrochemical Energy Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1910193.	14.9	45
2	Catalyst coating of 3D printed structures via electrochemical deposition: Case of the transition metal chalcogenide MoS_x for hydrogen evolution reaction. <i>Applied Materials Today</i> , 2020, 20, 100654.	4.3	35
3	Inherent Impurities in Graphene/Polylactic Acid Filament Strongly Influence on the Capacitive Performance of 3D-Printed Electrode. <i>Chemistry - A European Journal</i> , 2020, 26, 15746-15753.	3.3	34
4	Atomic Layer Deposition of Electrocatalytic Insulator Al_2O_3 on Three-Dimensional Printed Nanocarbons. <i>ACS Nano</i> , 2021, 15, 686-697.	14.6	28
5	3D Printing Temperature Tailors Electrical and Electrochemical Properties through Changing Inner Distribution of Graphite/Polymer. <i>Small</i> , 2021, 17, e2101233.	10.0	26
6	2D MoS_2 /carbon/polylactic acid filament for 3D printing: Photo and electrochemical energy conversion and storage. <i>Applied Materials Today</i> , 2022, 26, 101301.	4.3	18
7	Nickel Sulfide Microrockets as Self-Propelled Energy Storage Devices to Power Electronic Circuits "On-Demand". <i>Small Methods</i> , 2021, 5, e2100511.	8.6	16
8	Scanning Electrochemical Microscopy with Forced Convection Introduced by High-Precision Stirring. <i>Analytical Chemistry</i> , 2017, 89, 1658-1664.	6.5	15
9	ReS_2 : A High-Rate Pseudocapacitive Energy Storage Material. <i>ACS Applied Energy Materials</i> , 2020, 3, 10261-10269.	5.1	15
10	Local electrochemical activity of transition metal dichalcogenides and their heterojunctions on 3D-printed nanocarbon surfaces. <i>Nanoscale</i> , 2021, 13, 5324-5332.	5.6	15
11	Detection and imaging of reactive oxygen species associated with the electrochemical oxygen evolution by hydrodynamic scanning electrochemical microscopy. <i>Electrochimica Acta</i> , 2018, 281, 494-501.	5.2	14
12	Photo-Responsive Doped 3D-Printed Copper Electrodes for Water Splitting: Refractory One-Pot Doping Dramatically Enhances the Performance. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9016-9026.	3.1	10
13	Imaging of localized enzymatic peroxidase activity over unbiased individual gold nanowires by scanning electrochemical microscopy. <i>Analytical Methods</i> , 2016, 8, 6847-6855.	2.7	9
14	Catalyst Formation and <i>In Operando</i> Monitoring of the Electrocatalytic Activity in Flow Reactors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35777-35784.	8.0	8
15	Layered MAX phase electrocatalyst activity is driven by only a few hot spots. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3206-3215.	10.3	8
16	Design of bimetallic 3D-printed electrocatalysts via galvanic replacement to enhance energy conversion systems. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121609.	20.2	8
17	High resolution electrochemical additive manufacturing of microstructured active materials: case study of MoS_x as a catalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22072-22081.	10.3	7
18	Material contrast studies of conductive thin films on semiconductor substrates using scanning electrochemical microscopy. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 455-463.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Development and characterization of electrochemical flow cells for hydrodynamic scanning electrochemical microscopy. Monatshefte für Chemie, 2018, 149, 1671-1677.	1.8	5
20	Photoelectrolysis of TiO ₂ is Highly Localized and the Selectivity is Affected by the Light. Chemical Engineering Journal, 2022, , 136995.	12.7	5
21	Complementary analytical imaging techniques for the characterization of pretreated carbon fiber reinforced plastics. Composites Part A: Applied Science and Manufacturing, 2018, 113, 32-39.	7.6	3
22	Impacts of Forced Convection Generated via High Precision Stirring on Scanning Electrochemical Microscopy Experiments in Feedback Mode. Electroanalysis, 2019, 31, 273-281.	2.9	3
23	Dual polymer engineering enables high-performance 3D printed Zn-organic battery cathodes. Applied Materials Today, 2022, 28, 101515.	4.3	3
24	Scanning Electrochemical Microscopy of Electrically Heated Wire Substrates. Molecules, 2020, 25, 1169.	3.8	2
25	New strategy in electrochemical investigation of DNA damage demonstrated on genotoxic derivatives of fluorene. Journal of Electroanalytical Chemistry, 2022, , 116430.	3.8	1