

Christian Iffelsberger

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

339
citations

840776
11
h-index

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18
g-index

25
all docs

25
docs citations

25
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	2D MoS ₂ /carbon/polylactic acid filament for 3D printing: Photo and electrochemical energy conversion and storage. Applied Materials Today, 2022, 26, 101301.	4.3	18
2	Layered MAX phase electrocatalyst activity is driven by only a few hot spots. Journal of Materials Chemistry A, 2022, 10, 3206-3215.	10.3	8
3	Photoelectrolysis of TiO ₂ is Highly Localized and the Selectivity is Affected by the Light. Chemical Engineering Journal, 2022, , 136995.	12.7	5
4	Dual polymer engineering enables high-performance 3D printed Zn-organic battery cathodes. Applied Materials Today, 2022, 28, 101515.	4.3	3
5	New strategy in electrochemical investigation of DNA damage demonstrated on genotoxic derivatives of fluorene. Journal of Electroanalytical Chemistry, 2022, , 116430.	3.8	1
6	Photo-Responsive Doped 3D-Printed Copper Electrodes for Water Splitting: Refractory One-Pot Doping Dramatically Enhances the Performance. Journal of Physical Chemistry C, 2022, 126, 9016-9026.	3.1	10
7	Design of bimetallic 3D-printed electrocatalysts via galvanic replacement to enhance energy conversion systems. Applied Catalysis B: Environmental, 2022, 316, 121609.	20.2	8
8	High resolution electrochemical additive manufacturing of microstructured active materials: case study of MoS _x as a catalyst for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 22072-22081.	10.3	7
9	3D Printing Temperature Tailors Electrical and Electrochemical Properties through Changing Inner Distribution of Graphite/Polymer. Small, 2021, 17, e2101233.	10.0	26
10	Catalyst Formation and <i>In Operando</i> Monitoring of the Electrocatalytic Activity in Flow Reactors. ACS Applied Materials & Interfaces, 2021, 13, 35777-35784.	8.0	8
11	Nickel Sulfide Microrockets as Self-Propelled Energy Storage Devices to Power Electronic Circuits <i>à la</i> Demand. Small Methods, 2021, 5, e2100511.	8.6	16
12	Local electrochemical activity of transition metal dichalcogenides and their heterojunctions on 3D-printed nanocarbon surfaces. Nanoscale, 2021, 13, 5324-5332.	5.6	15
13	Atomic Layer Deposition of Electrocatalytic Insulator Al ₂ O ₃ on Three-Dimensional Printed Nanocarbons. ACS Nano, 2021, 15, 686-697.	14.6	28
14	ReS ₂ : A High-Rate Pseudocapacitive Energy Storage Material. ACS Applied Energy Materials, 2020, 3, 10261-10269.	5.1	15
15	Inherent Impurities in Graphene/Polylactic Acid Filament Strongly Influence on the Capacitive Performance of 3D-Printed Electrode. Chemistry - A European Journal, 2020, 26, 15746-15753.	3.3	34
16	Scanning Electrochemical Microscopy of Electrically Heated Wire Substrates. Molecules, 2020, 25, 1169.	3.8	2
17	Tunable Room-Temperature Synthesis of ReS ₂ Bicatalyst on 3D- and 2D-Printed Electrodes for Photo- and Electrochemical Energy Applications. Advanced Functional Materials, 2020, 30, 1910193.	14.9	45
18	Catalyst coating of 3D printed structures via electrochemical deposition: Case of the transition metal chalcogenide MoS _x for hydrogen evolution reaction. Applied Materials Today, 2020, 20, 100654.	4.3	35

#	ARTICLE	IF	CITATIONS
19	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
20	Impacts of Forced Convection Generated via High Precision Stirring on Scanning Electrochemical Microscopy Experiments in Feedback Mode. <i>Electroanalysis</i> , 2019, 31, 273-281.	2.9	3
21	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
22	Complementary analytical imaging techniques for the characterization of pretreated carbon fiber reinforced plastics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 113, 32-39.	7.6	3
23	Development and characterization of electrochemical flow cells for hydrodynamic scanning electrochemical microscopy. <i>Monatshefte für Chemie</i> , 2018, 149, 1671-1677.	1.8	5
24	Scanning Electrochemical Microscopy with Forced Convection Introduced by High-Precision Stirring. <i>Analytical Chemistry</i> , 2017, 89, 1658-1664.	6.5	15
25	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