

# Carsten Walter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9008479/publications.pdf>

Version: 2024-02-01

21  
papers

1,986  
citations

471061

17  
h-index

713013

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2747  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Cellulose for the Production of Photocatalytic Films for Hydrogen Evolution Along the Lines of Paper Production. <i>Energy Technology</i> , 2022, 10, 2100525.	1.8	6
2	Manganese sulfide enables the formation of a highly active $\hat{\text{I}}^2\text{-MnOOH}$ electrocatalyst for effective alkaline water oxidation. <i>Materials Today Chemistry</i> , 2022, 24, 100905.	1.7	5
3	Perspective on intermetallics towards efficient electrocatalytic water-splitting. <i>Chemical Science</i> , 2021, 12, 8603-8631.	3.7	74
4	Combination of Highly Efficient Electrocatalytic Water Oxidation with Selective Oxygenation of Organic Substrates using Manganese Borophosphates. <i>Advanced Materials</i> , 2021, 33, e2004098.	11.1	52
5	Boosting Electrocatalytic Hydrogen Evolution Activity with a $\text{NiPt}_{3@}\text{NiS}$ Heteronanostructure Evolved from a Molecular Nickel-Platinum Precursor. <i>Journal of the American Chemical Society</i> , 2019, 141, 13306-13310.	6.6	119
6	Steigerung der Wasseroxidation durch In-situ-Elektrokonversion eines Mangangallids: Ein intermetallischer Vorläuferansatz. <i>Angewandte Chemie</i> , 2019, 131, 16722-16727.	1.6	13
7	Boosting Water Oxidation through In Situ Electroconversion of Manganese Gallide: An Intermetallic Precursor Approach. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16569-16574.	7.2	60
8	A Cobalt-Based Amorphous Bifunctional Electrocatalysts for Water-Splitting Evolved from a Single-Source Lazulite Cobalt Phosphate. <i>Advanced Functional Materials</i> , 2019, 29, 1808632.	7.8	157
9	Helical cobalt borophosphates to master durable overall water-splitting. <i>Energy and Environmental Science</i> , 2019, 12, 988-999.	15.6	179
10	A structurally versatile nickel phosphite acting as a robust bifunctional electrocatalyst for overall water splitting. <i>Energy and Environmental Science</i> , 2018, 11, 1287-1298.	15.6	205
11	Hohe elektromagnetische Feldverstärkung in nanotubularen $\text{TiO}_2$ -Elektroden. <i>Angewandte Chemie</i> , 2018, 130, 7344-7348.	1.6	6
12	High Electromagnetic Field Enhancement of $\text{TiO}_2$ Nanotube Electrodes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7225-7229.	7.2	43
13	A Molecular Approach to Manganese Nitride Acting as a High Performance Electrocatalyst in the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 698-702.	7.2	145
14	A Molecular Approach to Manganese Nitride Acting as a High Performance Electrocatalyst in the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2018, 130, 706-710.	1.6	35
15	Structurally Ordered Intermetallic Cobalt Stannide Nanocrystals for High-Performance Electrocatalytic Overall Water-Splitting. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15237-15242.	7.2	103
16	Structurally Ordered Intermetallic Cobalt Stannide Nanocrystals for High-Performance Electrocatalytic Overall Water-Splitting. <i>Angewandte Chemie</i> , 2018, 130, 15457-15462.	1.6	46
17	Facile Formation of Nanostructured Manganese Oxide Films as High-Performance Catalysts for the Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2018, 11, 2554-2561.	3.6	19
18	Uncovering the Nature of Active Species of Nickel Phosphide Catalysts in High-Performance Electrochemical Overall Water Splitting. <i>ACS Catalysis</i> , 2017, 7, 103-109.	5.5	350

#	ARTICLE	IF	CITATIONS
19	From a Molecular $2\text{Fe}\text{S}_2$ Precursor to a Highly Efficient Iron Diselenide Electrocatalyst for Overall Water Splitting. <i>Angewandte Chemie</i> , 2017, 129, 10642-10646.	1.6	31
20	From a Molecular $2\text{Fe}\text{S}_2$ Precursor to a Highly Efficient Iron Diselenide Electrocatalyst for Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10506-10510.	7.2	167
21	Uncovering the prominent role of metal ions in octahedral versus tetrahedral sites of cobalt/zinc oxide catalysts for efficient oxidation of water. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10014-10022.	5.2	171