

# Constantin A Walenta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2336753/publications.pdf>

Version: 2024-02-01

20  
papers

312  
citations

933447

10  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

462  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmons in supported size-selected silver nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17541-17544.	2.8	47
2	Ethanol photocatalysis on rutile TiO <sub>2</sub> (110): the role of defects and water. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22809-22814.	2.8	43
3	Surface Species in Photocatalytic Methanol Reforming on Pt/TiO <sub>2</sub> (110): Learning from Surface Science Experiments for Catalytically Relevant Conditions. <i>ACS Catalysis</i> , 2020, 10, 4080-4091.	11.2	38
4	Thermal Control of Selectivity in Photocatalytic, Water-Free Alcohol Photoreforming. <i>ACS Catalysis</i> , 2018, 8, 11076-11084.	11.2	29
5	Why co-catalyst-loaded rutile facilitates photocatalytic hydrogen evolution. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1491-1496.	2.8	23
6	Introducing catalysis in photocatalysis: What can be understood from surface science studies of alcohol photoreforming on TiO <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 473002.	1.8	19
7	Reactions in the Photocatalytic Conversion of Tertiary Alcohols on Rutile TiO <sub>2</sub> (110). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14255-14259.	13.8	14
8	Facile Decomposition of Organophosphonates by Dual Lewis Sites on a Fe <sub>3</sub> O <sub>4</sub> (111) Film. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12432-12441.	3.1	13
9	Doping-Dependent Adsorption and Photon-Stimulated Desorption of CO on GaN(0001). <i>Journal of Physical Chemistry C</i> , 2017, 121, 8473-8479.	3.1	12
10	Regulating Photochemical Selectivity with Temperature: Isobutanol on TiO <sub>2</sub> (110). <i>Journal of the American Chemical Society</i> , 2020, 142, 13072-13080.	13.7	12
11	Origin of Poisoning in Methanol Photoreforming on TiO <sub>2</sub> (110): The Importance of Thermal Back-Reaction Steps in Photocatalysis. <i>ACS Catalysis</i> , 2020, 10, 7747-7752.	11.2	11
12	Photocatalytic selectivity switch to C scission: $\pm$ -methyl ejection of tert-butanol on TiO <sub>2</sub> (110). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7105-7111.	2.8	10
13	Dual Lewis site creation for activation of methanol on Fe <sub>3</sub> O <sub>4</sub> (111) thin films. <i>Chemical Science</i> , 2020, 11, 2448-2454.	7.4	10
14	Anhydrous Ethanol Dehydrogenation on Metal-Organic Chemical Vapor Deposition Grown GaN(0001). <i>Journal of Physical Chemistry C</i> , 2017, 121, 16393-16398.	3.1	9
15	Surface Oxidation of Supported, Size-Selected Silver Clusters. <i>Journal of Cluster Science</i> , 2017, 28, 3185-3192.	3.3	8
16	Chemistry of Methanol and Ethanol on Ozone-Prepared $\pm$ -Fe <sub>2</sub> O <sub>3</sub> (0001). <i>Journal of Physical Chemistry C</i> , 2018, 122, 25404-25410.	3.1	5
17	Isomer-Selective Detection of Aromatic Molecules in Temperature-Programmed Desorption for Model Catalysis. <i>Analytical Chemistry</i> , 2016, 88, 5392-5397.	6.5	4
18	Surface Oxidation of Supported, Size-Selected Silver Clusters. <i>Journal of Cluster Science</i> , 2017, 28, 2401-2408.	3.3	2

#	ARTICLE	IF	CITATIONS
19	Ethanol surface chemistry on MBE-grown GaN(0001), GaOx/GaN(0001), and Ga <sub>2</sub> O <sub>3</sub> (2×01). Journal of Chemical Physics, 2017, 147, 124704.	3.0	2
20	Reaktionswege in der photokatalytischen Umsetzung tertiärer Alkohole auf Rutil-TiO <sub>2</sub> (110). Angewandte Chemie, 2019, 131, 14393-14397.	2.0	1