

Constantin A Walenta

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

312
citations

933447

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20
docs citations

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times ranked

462
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Decomposition of Organophosphonates by Dual Lewis Sites on a Fe ₃ O ₄ (111) Film. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12432-12441.	3.1	13
2	Surface Species in Photocatalytic Methanol Reforming on Pt/TiO ₂ (110): Learning from Surface Science Experiments for Catalytically Relevant Conditions. <i>ACS Catalysis</i> , 2020, 10, 4080-4091.	11.2	38
3	Regulating Photochemical Selectivity with Temperature: Isobutanol on TiO ₂ (110). <i>Journal of the American Chemical Society</i> , 2020, 142, 13072-13080.	13.7	12
4	Origin of Poisoning in Methanol Photoreforming on TiO ₂ (110): The Importance of Thermal Back-Reaction Steps in Photocatalysis. <i>ACS Catalysis</i> , 2020, 10, 7747-7752.	11.2	11
5	Dual Lewis site creation for activation of methanol on Fe ₃ O ₄ (111) thin films. <i>Chemical Science</i> , 2020, 11, 2448-2454.	7.4	10
6	Reaktionswege in der photokatalytischen Umsetzung tertiärer Alkohole auf Rutil-TiO ₂ (110). <i>Angewandte Chemie</i> , 2019, 131, 14393-14397.	2.0	1
7	Reactions in the Photocatalytic Conversion of Tertiary Alcohols on Rutile TiO ₂ (110). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14255-14259.	13.8	14
8	Introducing catalysis in photocatalysis: What can be understood from surface science studies of alcohol photoreforming on TiO ₂ . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 473002.	1.8	19
9	Why co-catalyst-loaded rutile facilitates photocatalytic hydrogen evolution. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1491-1496.	2.8	23
10	Photocatalytic selectivity switch to C-C scission: α -methyl ejection of tert-butanol on TiO ₂ (110). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7105-7111.	2.8	10
11	Chemistry of Methanol and Ethanol on Ozone-Prepared α -Fe ₂ O ₃ (0001). <i>Journal of Physical Chemistry C</i> , 2018, 122, 25404-25410.	3.1	5
12	Thermal Control of Selectivity in Photocatalytic, Water-Free Alcohol Photoreforming. <i>ACS Catalysis</i> , 2018, 8, 11076-11084.	11.2	29
13	Surface Oxidation of Supported, Size-Selected Silver Clusters. <i>Journal of Cluster Science</i> , 2017, 28, 2401-2408.	3.3	2
14	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
15	Ethanol surface chemistry on MBE-grown GaN(0001), GaOx/GaN(0001), and Ga ₂ O ₃ (2 \times 1). <i>Journal of Chemical Physics</i> , 2017, 147, 124704.	3.0	2
16	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
17	Surface Oxidation of Supported, Size-Selected Silver Clusters. <i>Journal of Cluster Science</i> , 2017, 28, 3185-3192.	3.3	8
18	Isomer-Selective Detection of Aromatic Molecules in Temperature-Programmed Desorption for Model Catalysis. <i>Analytical Chemistry</i> , 2016, 88, 5392-5397.	6.5	4

#	ARTICLE	IF	CITATIONS
19	Plasmons in supported size-selected silver nanoclusters. Physical Chemistry Chemical Physics, 2015, 17, 17541-17544.	2.8	47
20	Ethanol photocatalysis on rutile TiO ₂ (110): the role of defects and water. Physical Chemistry Chemical Physics, 2015, 17, 22809-22814.	2.8	43