

# Elena Willinger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9588020/publications.pdf>

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9  
papers

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1040056

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#	ARTICLE	IF	CITATIONS
1	Engineering the Cu/Mo <sub>2</sub> CT <sub>x</sub> (MXene) interface to drive CO <sub>2</sub> hydrogenation to methanol. Nature Catalysis, 2021, 4, 860-871.	34.4	138
2	<i>Operando</i> X-ray Absorption Spectroscopy Identifies a Monoclinic ZrO <sub>2</sub> :In Solid Solution as the Active Phase for the Hydrogenation of CO <sub>2</sub> to Methanol. ACS Catalysis, 2020, 10, 10060-10067.	11.2	54
3	In Situ Formed Sn <sub>1-x</sub> Y <sub>x</sub> Core@Shell Nanoparticles as Electrocatalysts for CO <sub>2</sub> Reduction to Formate. Advanced Functional Materials, 2021, 31, 2103601.	14.9	32
4	Atomic-Scale Insight into the Structure of Metastable <sup>3</sup> Ga <sub>2</sub> O <sub>3</sub> Nanocrystals and their Thermally-Driven Transformation to <sup>2</sup> Ga <sub>2</sub> O <sub>3</sub> . Journal of Physical Chemistry C, 2020, 124, 20578-20588.	3.1	24
5	Atomic-Scale Structure and Its Impact on Chemical Properties of Aluminum Oxide Layers Prepared by Atomic Layer Deposition on Silica. Chemistry of Materials, 2021, 33, 3335-3348.	6.7	23
6	Bulk and surface transformations of Ga <sub>2</sub> O <sub>3</sub> nanoparticle catalysts for propane dehydrogenation induced by a H <sub>2</sub> treatment. Journal of Catalysis, 2022, 408, 155-164.	6.2	18
7	Highly Selective Oxidative Dehydrogenation of Ethane to Ethylene via Chemical Looping with Oxygen Uncoupling through Structural Engineering of the Oxygen Carrier. Advanced Energy Materials, 2022, 12, .	19.5	18
8	Photo-Switchable Nanoripples in Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene. ACS Nano, 2021, 15, 14071-14079.	14.6	11
9	Uncovering selective and active Ga surface sites in gallia-alumina mixed-oxide propane dehydrogenation catalysts by dynamic nuclear polarization surface enhanced NMR spectroscopy. Chemical Science, 2021, 12, 15273-15283.	7.4	10