

# Adrian Marberger

## List of Publications by Year in descending order

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11  
papers

847  
citations

840776

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1281871

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	The Significance of Lewis Acid Sites for the Selective Catalytic Reduction of Nitric Oxide on Vanadium-Based Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11989-11994.	13.8	228
2	Time-resolved copper speciation during selective catalytic reduction of NO on Cu-SSZ-13. <i>Nature Catalysis</i> , 2018, 1, 221-227.	34.4	186
3	VO <sub>x</sub> Surface Coverage Optimization of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> SCR Catalysts by Variation of the V Loading and by Aging. <i>Catalysts</i> , 2015, 5, 1704-1720.	3.5	82
4	Relationship between structures and activities of supported metal vanadates for the selective catalytic reduction of NO by NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 2017, 218, 731-742.	20.2	72
5	Generation of NH <sub>3</sub> Selective Catalytic Reduction Active Catalysts from Decomposition of Supported FeVO <sub>4</sub> . <i>ACS Catalysis</i> , 2015, 5, 4180-4188.	11.2	64
6	Modulated Excitation Raman Spectroscopy of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> : Mechanistic Insights into the Selective Catalytic Reduction of NO with NH <sub>3</sub> . <i>ACS Catalysis</i> , 2019, 9, 6814-6820.	11.2	56
7	Detection of key transient Cu intermediates in SSZ-13 during NH <sub>3</sub> -SCR deNO <sub>x</sub> by modulation excitation IR spectroscopy. <i>Chemical Science</i> , 2020, 11, 447-455.	7.4	52
8	Selective Catalytic Reduction of NO with NH <sub>3</sub> on Cu-SSZ-13: Deciphering the Low and High-temperature Rate-limiting Steps by Transient XAS Experiments. <i>ChemCatChem</i> , 2020, 12, 1429-1435.	3.7	39
9	Thermal activation and aging of a V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> catalyst for the selective catalytic reduction of NO with NH <sub>3</sub> . <i>Applied Catalysis A: General</i> , 2019, 573, 64-72.	4.3	25
10	The Significance of Lewis Acid Sites for the Selective Catalytic Reduction of Nitric Oxide on Vanadium-Based Catalysts. <i>Angewandte Chemie</i> , 2016, 128, 12168-12173.	2.0	22
11	Effect of SiO <sub>2</sub> on co-impregnated V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalysts for the selective catalytic reduction of NO with NH <sub>3</sub> . <i>Catalysis Today</i> , 2019, 320, 123-132.	4.4	21