

# Arik Beck

## List of Publications by Year in descending order

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14  
papers

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933447

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1125743

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Drastische Ereignisse und langsame Transformation definieren die Struktur eines aktiven Kupferâ€Zinkâ€Aluminiumoxidâ€Katalysators f¼r die Methanol Synthese. Angewandte Chemie, 2022, 134, .	2.0	3
2	Drastic Events and Gradual Change Define the Structure of an Active Copperâ€Zincâ€Alumina Catalyst for Methanol Synthesis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	20
3	Surface Noble Metal Concentration on Ceria as a Key Descriptor for Efficient Catalytic CO Oxidation. ACS Catalysis, 2022, 12, 2473-2486.	11.2	19
4	Innentitelbild: Drastische Ereignisse und langsame Transformation definieren die Struktur eines aktiven Kupferâ€Zinkâ€Aluminiumoxidâ€Katalysators f¼r die Methanol Synthese (Angew. Chem. 15/2022). Angewandte Chemie, 2022, 134, .	2.0	0
5	Dynamic interplay between metal nanoparticles and oxide support under redox conditions. Science, 2022, 376, 982-987.	12.6	127
6	Methanol synthesis over Cu/CeO <sub>2</sub> â€ZrO <sub>2</sub> catalysts: the key role of multiple active components. Catalysis Science and Technology, 2021, 11, 349-358.	4.1	18
7	Thermodynamic insights into strong metalâ€support interaction of transition metal nanoparticles on titania: simple descriptors for complex chemistry. Journal of Materials Chemistry A, 2021, 9, 4044-4054.	10.3	25
8	Size of Ceria Particles Influences Surface Hydroxylation and Hydroxyl Stability. Journal of Physical Chemistry C, 2021, 125, 9303-9309.	3.1	10
9	Following the structure of copper-zinc-alumina across the pressure gap in carbon dioxide hydrogenation. Nature Catalysis, 2021, 4, 488-497.	34.4	100
10	Stable Palladium Oxide Clusters Encapsulated in Silicalite-1 for Complete Methane Oxidation. ACS Catalysis, 2021, 11, 7371-7382.	11.2	34
11	Influence of Hydrogen Pressure on the Structure of Platinumâ€Titania Catalysts. Journal of Physical Chemistry C, 2021, 125, 22531-22538.	3.1	9
12	Temperature and Reaction Environment Influence the Nature of Platinum Species Supported on Ceria. ACS Catalysis, 2021, 11, 13041-13049.	11.2	13
13	The dynamics of overlayer formation on catalyst nanoparticles and strong metal-support interaction. Nature Communications, 2020, 11, 3220.	12.8	151
14	Understanding the preferential oxidation of carbon monoxide (PrOx) using sizeâ€controlled Au nanocrystal catalyst. AIChE Journal, 2018, 64, 3159-3167.	3.6	20