

Shilong Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3779056/publications.pdf>

Version: 2024-02-01

25
papers

1,229
citations

471371

17
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-Dependent Reaction Pathways of Low-Temperature CO Oxidation on Au/CeO ₂ Catalysts. ACS Catalysis, 2015, 5, 1653-1662.	5.5	143
2	Probing Surface Structures of CeO ₂ , TiO ₂ , and Cu ₂ O Nanocrystals with CO and CO ₂ Chemisorption. Journal of Physical Chemistry C, 2016, 120, 21472-21485.	1.5	143
3	Surface chemistry and catalysis of oxide model catalysts from single crystals to nanocrystals. Surface Science Reports, 2019, 74, 100471.	3.8	99
4	Morphology-dependent interplay of reduction behaviors, oxygen vacancies and hydroxyl reactivity of CeO ₂ nanocrystals. Physical Chemistry Chemical Physics, 2015, 17, 31862-31871.	1.3	96
5	Morphology-dependent defect structures and photocatalytic performance of hydrogenated anatase TiO ₂ nanocrystals. Journal of Catalysis, 2016, 341, 126-135.	3.1	94
6	Morphology-Engineered Highly Active and Stable Ru/TiO ₂ Catalysts for Selective CO Methanation. Angewandte Chemie - International Edition, 2019, 58, 10732-10736.	7.2	81
7	Raising the CO _x Methanation Activity of a Ru/Al ₂ O ₃ Catalyst by Activated Modification of Metal-Support Interactions. Angewandte Chemie - International Edition, 2020, 59, 22763-22770.	7.2	66
8	An in situ DRIFTS mechanistic study of CeO ₂ -catalyzed acetylene semihydrogenation reaction. Physical Chemistry Chemical Physics, 2018, 20, 9659-9670.	1.3	63
9	Titania Morphology-Dependent Gold-Titania Interaction, Structure, and Catalytic Performance of Gold/Titania Catalysts. ChemCatChem, 2015, 7, 3290-3298.	1.8	60
10	Controlling the O-Vacancy Formation and Performance of Au/ZnO Catalysts in CO ₂ -Reduction to Methanol by the ZnO Particle Size. ACS Catalysis, 2021, 11, 9022-9033.	5.5	53
11	Titania-morphology-dependent dual-perimeter-sites catalysis by Au/TiO ₂ catalysts in low-temperature CO oxidation. Journal of Catalysis, 2018, 368, 163-171.	3.1	47
12	Electronic metal-support interactions and their promotional effect on CO ₂ methanation on Ru/ZrO ₂ catalysts. Journal of Catalysis, 2021, 400, 407-420.	3.1	44
13	Selective CO methanation on isostructural Ru nanocatalysts: The role of support effects. Journal of Catalysis, 2019, 373, 103-115.	3.1	40
14	Morphology-Dependent Evolutions of Sizes, Structures, and Catalytic Activity of Au Nanoparticles on Anatase TiO ₂ Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 10367-10376.	1.5	39
15	Morphology-dependent CeO ₂ catalysis in acetylene semihydrogenation reaction. Applied Surface Science, 2020, 501, 144120.	3.1	29
16	Gas phase propylene epoxidation over Au supported on titanosilicates with different Ti chemical environments. Applied Surface Science, 2017, 393, 11-22.	3.1	27
17	Effects of SiO ₂ -doping on high-surface-area Ru/TiO ₂ catalysts for the selective CO methanation. Applied Catalysis B: Environmental, 2021, 282, 119483.	10.8	27
18	Structure-Sensitivity of Au Catalysis. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 48-60.	2.2	15

#	ARTICLE	IF	CITATIONS
19	Performance of Au/ZnO catalysts in CO ₂ reduction to methanol: Varying the Au loading / Au particle size. Applied Catalysis A: General, 2021, 624, 118318.	2.2	15
20	Fundamental Aspects of Ceria Supported Au Catalysts Probed by In Situ/Operando Spectroscopy and TAP Reactor Studies. ChemPhysChem, 2021, 22, 1302-1315.	1.0	14
21	Chemical and Electronic Changes of the CeO ₂ Support during CO Oxidation on Au/CeO ₂ Catalysts: Time-Resolved Operando XAS at the Ce LIII Edge. Catalysts, 2019, 9, 785.	1.6	12
22	Size-Dependent Structures and Catalytic Performances of Au/TiO ₂ {001} Catalysts for Propene Epoxidation. Journal of Physical Chemistry C, 2020, 124, 15264-15274.	1.5	8
23	Morphologieoptimierte hochaktive und stabile Ru/TiO ₂ Katalysatoren für die selektive CO-Methanisierung. Angewandte Chemie, 2019, 131, 10842-10847.	1.6	7
24	Controlling the selectivity of high-surface-area Ru/TiO ₂ catalysts in CO ₂ reduction - modifying the reaction properties by Si doping of the support. Applied Catalysis B: Environmental, 2022, 317, 121748.	10.8	7
25	Aktiviert Modifikation der Träger-Metall-Wechselwirkungen als Schlüssel für hochaktive Ru/Al ₂ O ₃ Katalysatoren für die CO-Methanisierung. Angewandte Chemie, 2020, 132, 22951-22959.	1.6	0