Shilong Chen

List of Publications by Year
in descending order

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25	1,229	471371	610775
papers	citations	17 h-index	24 g-index

25	25	25	1395
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling the selectivity of high-surface-area Ru/TiO2 catalysts in CO2 reduction - modifying the reaction properties by Si doping of the support. Applied Catalysis B: Environmental, 2022, 317, 121748.	10.8	7
2	Effects of SiO2-doping on high-surface-area Ru/TiO2 catalysts for the selective CO methanation. Applied Catalysis B: Environmental, 2021, 282, 119483.	10.8	27
3	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
4	Controlling the O-Vacancy Formation and Performance of Au/ZnO Catalysts in CO₂Reduction to Methanol by the ZnO Particle Size. ACS Catalysis, 2021, 11, 9022-9033.	5.5	53
5	Performance of Au/ZnO catalysts in CO2 reduction to methanol: Varying the Au loading / Au particle size. Applied Catalysis A: General, 2021, 624, 118318.	2.2	15
6	Electronic metal-support interactions and their promotional effect on CO2 methanation on Ru/ZrO2 catalysts. Journal of Catalysis, 2021, 400, 407-420.	3.1	44
7	Morphology-dependent CeO2 catalysis in acetylene semihydrogenation reaction. Applied Surface Science, 2020, 501, 144120.	3.1	29
8	Raising the CO_x Methanation Activity of a Ru/Î³â€Al₂O₃ Catalyst by Activated Modification of Metalâ€“Support Interactions. Angewandte Chemie - International Edition, 2020, 59, 22763-22770.	7.2	66
9	Aktivierte Modifikation der TrÃgerâ€Metallâ€Wechselwirkungen als SchlÃ¼ssel fÃ¼r hochaktive Ru/Î³â€Al 2 O 3 â€Katalysatoren fÃ¼r die CO x â€Methanisierung. Angewandte Chemie, 2020, 132, 22951-22959.	1.6	0
10	Size-Dependent Structures and Catalytic Performances of Au/TiO₂-{001} Catalysts for Propene Epoxidation. Journal of Physical Chemistry C, 2020, 124, 15264-15274.	1.5	8
11	Surface chemistry and catalysis of oxide model catalysts from single crystals to nanocrystals. Surface Science Reports, 2019, 74, 100471.	3.8	99
12	Morphologieâ€optimierte hochaktive und â€stabile Ru/TiO₂â€Katalysatoren fÃ¼r die selektive COâ€Methanisierung. Angewandte Chemie, 2019, 131, 10842-10847.	1.6	7
13	Morphologyâ€Engineered Highly Active and Stable Ru/TiO₂ Catalysts for Selective CO Methanation. Angewandte Chemie - International Edition, 2019, 58, 10732-10736.	7.2	81
14	Morphology-Dependent Evolutions of Sizes, Structures, and Catalytic Activity of Au Nanoparticles on Anatase TiO₂ Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 10367-10376.	1.5	39
15	Selective CO methanation on isostructural Ru nanocatalysts: The role of support effects. Journal of Catalysis, 2019, 373, 103-115.	3.1	40
16	Chemical and Electronic Changes of the CeO2 Support during CO Oxidation on Au/CeO2 Catalysts: Time-Resolved Operando XAS at the Ce LIII Edge. Catalysts, 2019, 9, 785.	1.6	12
17	Anin situDRIFTS mechanistic study of CeO₂-catalyzed acetylene semihydrogenation reaction. Physical Chemistry Chemical Physics, 2018, 20, 9659-9670.	1.3	63
18	Titania-morphology-dependent dual-perimeter-sites catalysis by Au/TiO2 catalysts in low-temperature CO oxidation. Journal of Catalysis, 2018, 368, 163-171.	3.1	47

#	Article	IF	Citations
19	Gas phase propylene epoxidation over Au supported on titanosilicates with different Ti chemical environments. Applied Surface Science, 2017, 393, 11-22.	3.1	27
20	Structure-Sensitivity of Au Catalysis. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 48-60.	2.2	15
21	Probing Surface Structures of CeO₂, TiO₂, and Cu₂O Nanocrystals with CO and CO₂ Chemisorption. Journal of Physical Chemistry C, 2016, 120, 21472-21485.	1.5	143
22	Morphology-dependent defect structures and photocatalytic performance of hydrogenated anatase TiO2 nanocrystals. Journal of Catalysis, 2016, 341, 126-135.	3.1	94
23	Titania Morphologyâ€Dependent Goldâ€“Titania Interaction, Structure, and Catalytic Performance of Gold/Titania Catalysts. ChemCatChem, 2015, 7, 3290-3298.	1.8	60
24	Morphology-dependent interplay of reduction behaviors, oxygen vacancies and hydroxyl reactivity of CeO₂ nanocrystals. Physical Chemistry Chemical Physics, 2015, 17, 31862-31871.	1.3	96
25	Size-Dependent Reaction Pathways of Low-Temperature CO Oxidation on Au/CeO₂ Catalysts. ACS Catalysis, 2015, 5, 1653-1662.	5.5	143