Sibo Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12166473/publications.pdf

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20	838	516710 16	677142 22
papers	citations	h-index	g-index

23	23	23	1026
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monolithically Integrated Spinel M_xCo_{3â^'x}O₄ (M=Co, Ni, Zn) Nanoarray Catalysts: Scalable Synthesis and Cation Manipulation for Tunable Lowâ€Temperature CH₄ and CO Oxidation. Angewandte Chemie - International Edition, 2014, 53, 7223-7227.	13.8	170
2	Boosting catalytic propane oxidation over PGM-free Co3O4 nanocrystal aggregates through chemical leaching: A comparative study with Pt and Pd based catalysts. Applied Catalysis B: Environmental, 2018, 226, 585-595.	20.2	113
3	Activating low-temperature diesel oxidation by single-atom Pt on TiO2 nanowire array. Nature Communications, 2020, 11, 1062.	12.8	90
4	Manganese Oxide Nanoarray-Based Monolithic Catalysts: Tunable Morphology and High Efficiency for CO Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 7834-7842.	8.0	73
5	Solar-driven efficient methane catalytic oxidation over epitaxial ZnO/La0.8Sr0.2CoO3 heterojunctions. Applied Catalysis B: Environmental, 2020, 265, 118469.	20.2	44
6	Scalable Integration of Highly Uniform Mn_xCo_{3â^'x}O₄ Nanosheet Array onto Ceramic Monolithic Substrates for Lowâ€Temperature Propane Oxidation. ChemCatChem, 2017, 9, 4112-4119.	3.7	36
7	ZnO/perovskite coreâ€“shell nanorod array based monolithic catalysts with enhanced propane oxidation and material utilization efficiency at low temperature. Catalysis Today, 2015, 258, 549-555.	4.4	35
8	Copper manganese oxide enhanced nanoarray-based monolithic catalysts for hydrocarbon oxidation. Journal of Materials Chemistry A, 2018, 6, 19047-19057.	10.3	35
9	Ceria-based nanoflake arrays integrated on 3D cordierite honeycombs for efficient low-temperature diesel oxidation catalyst. Applied Catalysis B: Environmental, 2019, 245, 623-634.	20.2	28
10	High performance diesel oxidation catalysts using ultra-low Pt loading on titania nanowire array integrated cordierite honeycombs. Catalysis Today, 2019, 320, 2-10.	4.4	28
11	Pre-surface leached cordierite honeycombs for MnxCo3-xO4 nano-sheet array integration with enhanced hydrocarbons combustion. Catalysis Today, 2019, 320, 196-203.	4.4	26
12	Nano-array integrated monolithic devices: toward rational materials design and multi-functional performance by scalable nanostructures assembly. CrystEngComm, 2016, 18, 2980-2993.	2.6	23
13	Rational design, synthesis and evaluation of ZnO nanorod array supported Pt:La0.8Sr0.2MnO3 lean NOx traps. Applied Catalysis B: Environmental, 2018, 236, 348-358.	20.2	22
14	Cuâ€Ðecorated ZnO Nanorod Array Integrated Structured Catalysts for Lowâ€Pressure CO₂ Hydrogenation to Methanol. Advanced Materials Interfaces, 2018, 5, 1700730.	3.7	20
15	Understanding low temperature oxidation activity of nanoarray-based monolithic catalysts: from performance observation to structural and chemical insights. Emission Control Science and Technology, 2017, 3, 18-36.	1.5	18
16	Scalable continuous flow synthesis of ZnO nanorod arrays in 3-D ceramic honeycomb substrates for low-temperature desulfurization. CrystEngComm, 2017, 19, 5128-5136.	2.6	16
17	Mesoporous Perovskite Nanotubeâ€Array Enhanced Metallicâ€State Platinum Dispersion for Low Temperature Propane Oxidation. ChemCatChem, 2018, 10, 2184-2189.	3.7	14
18	Direct Synthesis of Conformal Layered Protonated Titanate Nanoarray Coatings on Various Substrate Surfaces Boosted by Low-Temperature Microwave-Assisted Hydrothermal Synthesis. ACS Applied Materials & Interfaces, 2018, 10, 35164-35174.	8.0	10

#	Article	IF	Citations
19	Robust and well-controlled TiO₂â€“Al₂O₃ binary nanoarray-integrated ceramic honeycomb for efficient propane combustion. CrystEngComm, 2019, 21, 2727-2735.	2.6	5
20	Methanol Production: Cuâ€Đecorated ZnO Nanorod Array Integrated Structured Catalysts for Lowâ€Pressure CO₂ Hydrogenation to Methanol (Adv. Mater. Interfaces 3/2018). Advanced Materials Interfaces, 2018, 5, 1870011.	3.7	3