Zili Wu

List of Publications by Year in descending order

281	17,536	12963 67	16162 122
papers	citations	h-index	g-index

300	300	300	20757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Significant Roles of Surface Hydrides in Enhancing the Performance of Cu/BaTiO_{2.8}H_{0.2} Catalyst for CO₂ Hydrogenation to Methanol. Angewandte Chemie - International Edition, 2024, 63, .	14.6	2
2	Significant Roles of Surface Hydrides in Enhancing the Performance of Cu/BaTiO_{2.8}H_{0.2} Catalyst for CO₂ Hydrogenation to Methanol. Angewandte Chemie, 2024, 136, .	2.1	0
3	Back Cover: Significant Roles of Surface Hydrides in Enhancing the Performance of Cu/BaTiO_{2.8}H_{0.2} Catalyst for CO₂ Hydrogenation to Methanol (Angew. Chem. Int. Ed. 1/2024). Angewandte Chemie - International Edition, 2024, 63, .	14.6	1
4	RÃ¼cktitelbild: Significant Roles of Surface Hydrides in Enhancing the Performance of Cu/BaTiO_{2.8}H_{0.2} Catalyst for CO₂ Hydrogenation to Methanol (Angew. Chem. 1/2024). Angewandte Chemie, 2024, 136, .	2.1	0
5	Insights into size effects of Pt/Al₂O₃ catalysts on hydrogen production from methylcyclohexane dehydrogenation. Catalysis Science and Technology, 2024, 14, 1791-1801.	4.2	1
6	Tailoring olefin distribution via tuning rare earth metals in bifunctional Cu-RE/beta-zeolite catalysts for ethanol upgrading. Applied Catalysis B: Environmental, 2024, 344, 123648.	20.4	3
7	Synthesis of Perdeuterated Alkyl Amines/Amides with Pt/C as Catalyst under Mild Conditions. Journal of Organic Chemistry, 2024, 89, 8262-8266.	3.3	0
8	Precision Structure Engineering of High-Entropy Oxides under Ambient Conditions. ACS Catalysis, 2024, 14, 14807-14818.	11.5	0
9	Tuning metal-support interactions in nickelâ€“zeolite catalysts leads to enhanced stability during dry reforming of methane. Nature Communications, 2024, 15, .	13.0	0
10	Revealing the interplay between â€œintelligent behaviorâ€•and surface reconstruction of non-precious metal doped SrTiO3 catalysts during methane combustion. Catalysis Today, 2023, 416, 113672.	4.8	5
11	Boosting the Activity of Pd Single Atoms by Tuning Their Local Environment on Ceria for Methane Combustion. Angewandte Chemie, 2023, 135, .	2.1	2
12	Boosting the Activity of Pd Single Atoms by Tuning Their Local Environment on Ceria for Methane Combustion. Angewandte Chemie - International Edition, 2023, 62, .	14.6	16
13	Adsorbate-Induced Strong Metalâ€“Support Interactions: Implications for Catalyst Design. Journal of Physical Chemistry Letters, 2023, 14, 524-534.	4.8	13
14	A review of in situ/operando studies of heterogeneous catalytic hydrogenation of CO2 to methanol. Catalysis Today, 2023, 420, 114029.	4.8	7
15	In Situ Neutron Scattering Studies on the Oxidation and Reduction of CeO₂ and Ptâ€“CeO₂ Nanorods. Journal of Physical Chemistry C, 2023, 127, 3689-3697.	3.2	2
16	In Situ Neutron Scattering Study of the Structure Dynamics of the Ru/Ca₂N:e^{â€“} Catalyst in Ammonia Synthesis. Chemistry of Materials, 2023, 35, 2456-2462.	6.9	5
17	Effect of the Molecular Structure of Surface Vanadia on Activity and Regenerability of VO_x/In₂O₃ Catalysts for CO₂-Assisted Oxidative Dehydrogenation of Propane. Journal of Physical Chemistry C, 2023, 127, 6311-6320.	3.2	4
18	Mechanochemistry-Induced Strong Metalâ€“Support Interactions Construction toward Enhanced Hydrogenation. ACS Catalysis, 2023, 13, 6114-6125.	11.5	5

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19	Raman Spectroscopy. Springer Handbooks, 2023, , 75-110.	0.0	0
20	Neutron Scattering Studies of Heterogeneous Catalysis. Chemical Reviews, 2023, 123, 8638-8700.	50.5	13
21	Acetylene Semi-Hydrogenation on a Perovskite Oxyhydride Surface: Insights from First Principles and Microkinetic Modeling. ACS Catalysis, 2023, 13, 9213-9221.	11.5	3
22	Synergizing plasmonic Au nanocages with 2D MoS₂ nanosheets for significant enhancement in photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2023, 11, 16714-16723.	10.4	12
23	Active sites of atomically dispersed Pt supported on Gd-doped ceria with improved low temperature performance for CO oxidation. Chemical Science, 2023, 14, 12582-12588.	7.7	1
24	Hydrogen-mediated polarity compensation on the (110) surface terminations of ABO3 perovskites. Journal of Chemical Physics, 2023, 159, .	3.0	0
25	Recent Developments in Revealing the Impact of Complex Metal Oxide Reconstruction on Catalysis. ACS Catalysis, 2023, 13, 15393-15403.	11.5	2
26	Manipulating Copper Dispersion on Ceria for Enhanced Catalysis: A Nanocrystalâ€Based Atomâ€Trapping Strategy. Advanced Science, 2022, 9, e2104749.	12.3	20
27	Ammonia synthesis on BaTiO_{2.5}H_{0.5}: computational insights into the role of hydrides. Physical Chemistry Chemical Physics, 2022, 24, 1496-1502.	2.9	4
28	Can Li: A Career in Catalysis. ACS Catalysis, 2022, 12, 3063-3082.	11.5	13
29	Ammonia-Assisted Light Alkane Anti-coke Reforming on Isolated ReO_x Sites in Zeolite. ACS Catalysis, 2022, 12, 3165-3172.	11.5	7
30	Single Atoms Anchored in Hexagonal Boron Nitride for Propane Dehydrogenation from First Principles. ChemCatChem, 2022, 14, .	3.8	6
31	Multiple Promotional Effects of Vanadium Oxide on Boron Nitride for Oxidative Dehydrogenation of Propane. Jacs Au, 2022, 2, 1096-1104.	8.2	21
32	Manganese Catalyzed Partial Oxidation of Light Alkanes. ACS Catalysis, 2022, 12, 5356-5370.	11.5	9
33	Surface engineering of MXenes for energy and environmental applications. Journal of Materials Chemistry A, 2022, 10, 10265-10296.	10.4	64
34	MoS2 nanosheet integrated electrodes with engineered 1T-2H phases and defects for efficient hydrogen production in practical PEM electrolysis. Applied Catalysis B: Environmental, 2022, 313, 121458.	20.4	46
35	Defect-Regulated Frustrated-Lewis-Pair Behavior of Boron Nitride in Ambient Pressure Hydrogen Activation. Journal of the American Chemical Society, 2022, 144, 10688-10693.	14.5	17
36	CO₂ methanation reaction pathways over unpromoted and NaNO₃-promoted Ru/Al₂O₃ catalysts. Catalysis Science and Technology, 2022, 12, 4637-4652.	4.2	11

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37	Defect Engineering of Ceria Nanocrystals for Enhanced Catalysis via a High-Entropy Oxide Strategy. ACS Central Science, 2022, 8, 1081-1090.	12.1	34
38	Measuring and directing charge transfer in heterogenous catalysts. Nature Communications, 2022, 13, .	13.0	30
39	Enhanced performance of (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 1 with indium surfactant. Materials Letters, 2022, 324, 132675.	2.7	3
40	CH₄ Activation over Perovskite Catalysts: True Density and Reactivity of Active Sites. ACS Catalysis, 2022, 12, 11845-11853.	11.5	7
41	CO₂-Assisted Oxidative Dehydrogenation of Propane over VO_x/In₂O₃ Catalysts: Interplay between Redox Property and Acidâ€“Base Interactions. ACS Catalysis, 2022, 12, 11239-11252.	11.5	24
42	Popularity-Based and Version-Aware Caching Scheme at Edge Servers for Multi-Version VoD Systems. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1234-1248.	8.7	12
43	Domain Fingerprints for No-Reference Image Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1332-1341.	8.7	10
44	Vacancy engineering of the nickel-based catalysts for enhanced CO2 methanation. Applied Catalysis B: Environmental, 2021, 282, 119561.	20.4	118
45	All-solid-state Z-scheme BiVO4â”Bi6O6(OH)3(NO3)3 heterostructure with prolonging electron-hole lifetime for enhanced photocatalytic hydrogen and oxygen evolution. Journal of Materials Science and Technology, 2021, 77, 117-125.	10.7	16
46	In Situ Strong Metalâ€“Support Interaction (SMSI) Affects Catalytic Alcohol Conversion. ACS Catalysis, 2021, 11, 1938-1945.	11.5	58
47	A tailored multi-functional catalyst for ultra-efficient styrene production under a cyclic redox scheme. Nature Communications, 2021, 12, 1329.	13.0	41
48	Oxidative Dehydrogenation of Propane to Propylene with Soft Oxidants via Heterogeneous Catalysis. ACS Catalysis, 2021, 11, 2182-2234.	11.5	120
49	Machine Learning Method Reveals Hidden Strong Metalâ€Support Interaction in Microscopy Datasets. Small Methods, 2021, 5, 2100035.	9.5	13
50	Elucidating the origin of selective dehydrogenation of propane on Î³-alumina under H2S treatment and co-feed. Journal of Catalysis, 2021, 394, 142-156.	6.4	22
51	Deep Learning Accelerated Determination of Hydride Locations in Metal Nanoclusters. Angewandte Chemie - International Edition, 2021, 60, 12289-12292.	14.6	26
52	Deep Learning Accelerated Determination of Hydride Locations in Metal Nanoclusters. Angewandte Chemie, 2021, 133, 12397-12400.	2.1	0
53	Ultrathin platinum nanowire based electrodes for high-efficiency hydrogen generation in practical electrolyzer cells. Chemical Engineering Journal, 2021, 410, 128333.	12.8	47
54	New Insights into the Bulk and Surface Defect Structures of Ceria Nanocrystals from Neutron Scattering Study. Chemistry of Materials, 2021, 33, 3959-3970.	6.9	26

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55	Inelastic Neutron Scattering Observation of Plasma-Promoted Nitrogen Reduction Intermediates on Ni/Î³-Al₂O₃. ACS Energy Letters, 2021, 6, 2048-2053.	18.2	23
56	On the Structural Transformation of Ni/BaH2 During a N2-H2 Chemical Looping Process for Ammonia Synthesis: A Joint In Situ Inelastic Neutron Scattering and First-Principles Simulation Study. Topics in Catalysis, 2021, 64, 685-692.	2.9	12
57	Elucidating the Mechanism of Ambient-Temperature Aldol Condensation of Acetaldehyde on Ceria. ACS Catalysis, 2021, 11, 8621-8634.	11.5	18
58	Photoinduced Strong Metalâ€“Support Interaction for Enhanced Catalysis. Journal of the American Chemical Society, 2021, 143, 8521-8526.	14.5	108
59	Isolated Metal Sites in Cuâ€“Znâ€“Y/Beta for Direct and Selective Butene-Rich C₃₊ Olefin Formation from Ethanol. ACS Catalysis, 2021, 11, 9885-9897.	11.5	29
60	Preface to Special Issue on Neutron Scattering for Catalysis. Topics in Catalysis, 2021, 64, 591-592.	2.9	1
61	A Review on the Impact of SO₂ on the Oxidation of NO, Hydrocarbons, and CO in Diesel Emission Control Catalysis. ACS Catalysis, 2021, 11, 12446-12468.	11.5	51
62	In situ spectroscopic insights into the redox and acid-base properties of ceria catalysts. Chinese Journal of Catalysis, 2021, 42, 2122-2140.	14.4	14
63	Atomically Dispersed Tin-Modified Î³-alumina for Selective Propane Dehydrogenation under H₂S Co-feed. ACS Catalysis, 2021, 11, 13472-13482.	11.5	10
64	Implementation and Analysis of Hybrid DRAM PUFs on FPGA. , 2021, , .		1
65	Understanding the conversion of ethanol to propene on In2O3 from first principles. Catalysis Today, 2020, 350, 19-24.	4.8	19
66	A new trick for an old support: Stabilizing gold single atoms on LaFeO3 perovskite. Applied Catalysis B: Environmental, 2020, 261, 118178.	20.4	34
67	Pd-promoted WO3-ZrO2 for low temperature NOx storage. Applied Catalysis B: Environmental, 2020, 264, 118499.	20.4	31
68	Solvent-free and one-pot synthesis of ultramicroporous carbons with ultrahigh nitrogen contents for sulfur dioxide capture. Chemical Engineering Journal, 2020, 391, 123579.	12.8	38
69	Solar-driven efficient methane catalytic oxidation over epitaxial ZnO/La0.8Sr0.2CoO3 heterojunctions. Applied Catalysis B: Environmental, 2020, 265, 118469.	20.4	46
70	Alcohol-Induced Low-Temperature Blockage of Supported-Metal Catalysts for Enhanced Catalysis. ACS Catalysis, 2020, 10, 8515-8523.	11.5	20
71	Hydrogen in Nanocatalysis. Journal of Physical Chemistry Letters, 2020, 11, 7049-7057.	4.8	19
72	Descriptors for Hydrogen Evolution on Single Atom Catalysts in Nitrogen-Doped Graphene. Journal of Physical Chemistry C, 2020, 124, 19571-19578.	3.2	92

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73	H₂O-prompted CO₂ capture on metal silicates in situ generated from SBA-15. RSC Advances, 2020, 10, 28731-28740.	3.7	4
74	Stable Surface Terminations of a Perovskite Oxyhydride from First-Principles. Journal of Physical Chemistry C, 2020, 124, 18557-18563.	3.2	5
75	A Principle for Highly Active Metal Oxide Catalysts via NaCl-Based Solid Solution. CheM, 2020, 6, 1723-1741.	12.1	32
76	Construction of 2D BiVO₄â^'CdSâ^'Ti₃C₂T_x Heterostructures for Enhanced Photoâ€redox Activities. ChemCatChem, 2020, 12, 3496-3503.	3.8	29
77	Counselor Education and Supervision: 2018 Annual Review. Counselor Education and Supervision, 2020, 59, 2-15.	1.8	6
78	Activation and surface reactions of CO and H2 on ZnO powders and nanoplates under CO hydrogenation reaction conditions. Journal of Energy Chemistry, 2020, 50, 351-357.	13.2	29
79	PdPt-TiO2 nanowires: correlating composition, electronic effects and O-vacancies with activities towards water splitting and oxygen reduction. Applied Catalysis B: Environmental, 2020, 277, 119177.	20.4	41
80	Harnessing strong metalâ€“support interactions via a reverse route. Nature Communications, 2020, 11, 3042.	13.0	97
81	Titelbild: Radical Chemistry and Reaction Mechanisms of Propane Oxidative Dehydrogenation over Hexagonal Boron Nitride Catalysts (Angew. Chem. 21/2020). Angewandte Chemie, 2020, 132, 8045-8045.	2.1	0
82	Radical Chemistry and Reaction Mechanisms of Propane Oxidative Dehydrogenation over Hexagonal Boron Nitride Catalysts. Angewandte Chemie - International Edition, 2020, 59, 8042-8046.	14.6	93
83	Radical Chemistry and Reaction Mechanisms of Propane Oxidative Dehydrogenation over Hexagonal Boron Nitride Catalysts. Angewandte Chemie, 2020, 132, 8119-8123.	2.1	12
84	The interplay between surface facet and reconstruction on isopropanol conversion over SrTiO3 nanocrystals. Journal of Catalysis, 2020, 384, 49-60.	6.4	19
85	Perovskite-supported Pt single atoms for methane activation. Journal of Materials Chemistry A, 2020, 8, 4362-4368.	10.4	34
86	Preface to Special Issue on Advances in Ceria Catalysis. Chinese Journal of Catalysis, 2020, 41, 899-900.	14.4	1
87	World Trade Wars: Scenario Calculations of Consequences. Herald of the Russian Academy of Sciences, 2020, 90, 88-97.	0.6	4
88	Effects of Surface Terminations of 2D Bi₂WO₆ on Photocatalytic Hydrogen Evolution from Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 20067-20074.	8.2	89
89	Discriminating the Role of Surface Hydride and Hydroxyl for Acetylene Semihydrogenation over Ceria through In Situ Neutron and Infrared Spectroscopy. ACS Catalysis, 2020, 10, 5278-5287.	11.5	74
90	Nature of Reactive Hydrogen for Ammonia Synthesis over a Ru/C12A7 Electride Catalyst. Journal of the American Chemical Society, 2020, 142, 7655-7667.	14.5	65

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91	A review of the interactions between ceria and H2 and the applications to selective hydrogenation of alkynes. Chinese Journal of Catalysis, 2020, 41, 901-914.	14.4	42
92	Mechanistic Understanding of Catalytic Conversion of Ethanol to 1-Butene over 2D-Pillared MFI Zeolite. Journal of Physical Chemistry C, 2020, 124, 28437-28447.	3.2	11
93	All-solid-state supercapacitors from natural lignin-based composite film by laser direct writing. Applied Physics Letters, 2019, 115, .	3.2	47
94	An overview of photocatalysis facilitated by 2D heterojunctions. Nanotechnology, 2019, 30, 502002.	2.7	68
95	Crucial influential factor on background electron concentration in semi-polar (11<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T plane AlGaN epi-layers. Superlattices and Microstructures, 2019, 125, 338-342.	3.3	3
96	Promoting Pt catalysis for CO oxidation via the Mottâ€“Schottky effect. Nanoscale, 2019, 11, 18568-18574.	5.7	13
97	Effects of indium surfactant and MgN intermediate layers on surface morphology and crystalline quality of nonpolar a-plane AlGaN epi-layers. Optik, 2019, 192, 162978.	2.9	6
98	Effect of Hydrogen-Induced Metallization on Chemisorption. Journal of Physical Chemistry C, 2019, 123, 15171-15175.	3.2	3
99	Enhanced hole concentration and improved surface morphology for nonpolar a-plane p-type AlGaN/GaN superlattices grown with indium-surfactant. Superlattices and Microstructures, 2019, 130, 396-400.	3.3	10
100	Monolayer Ti₃C₂T_x as an Effective Co-catalyst for Enhanced Photocatalytic Hydrogen Production over TiO₂. ACS Applied Energy Materials, 2019, 2, 4640-4651.	5.2	196
101	Surface Reconstructions of Metal Oxides and the Consequences on Catalytic Chemistry. ACS Catalysis, 2019, 9, 5692-5707.	11.5	144
102	Interaction of SO₂ with ZnO Nanoshapes: Impact of Surface Polarity. Journal of Physical Chemistry C, 2019, 123, 11772-11780.	3.2	23
103	Elucidation of the Reaction Mechanism for High-Temperature Water Gas Shift over an Industrial-Type Copperâ€“Chromiumâ€“Iron Oxide Catalyst. Journal of the American Chemical Society, 2019, 141, 7990-7999.	14.5	66
104	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. Nature Communications, 2019, 10, 1330.	13.0	197
105	Effects of Sodium and Tungsten Promoters on Mg₆MnO₈-Based Coreâ€“Shell Redox Catalysts for Chemical Loopingâ€”Oxidative Dehydrogenation of Ethane. ACS Catalysis, 2019, 9, 3174-3186.	11.5	57
106	Impact of Surface Composition of SrTiO₃ Catalysts for Oxidative Coupling of Methane. ChemCatChem, 2019, 11, 2107-2117.	3.8	43
107	Fabrication of a Pillared ZSM-5 Framework for Shape Selectivity of Ethane Dehydroaromatization. Industrial & Engineering Chemistry Research, 2019, 58, 7094-7106.	3.7	20
108	2D/2D heterojunction of Ti₃C₂/g-C₃N₄ nanosheets for enhanced photocatalytic hydrogen evolution. Nanoscale, 2019, 11, 8138-8149.	5.7	314

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109	Work-in-Progress: Version-Aware Video Caching Strategy for Multi-version VoD Systems. , 2019, , .		1
110	Study of NH3 flow duty-ratio in pulsed-flow epitaxial growth of non-polar a-plane Al0.34Ga0.66N films. Materials Science in Semiconductor Processing, 2019, 90, 219-224.	4.1	9
111	Neutron Scattering Investigations of Hydride Species in Heterogeneous Catalysis. ChemSusChem, 2019, 12, 93-103.	7.4	31
112	Optimizing the structural configuration of FePt-FeOx nanoparticles at the atomic scale by tuning the post-synthetic conditions. Nano Energy, 2019, 55, 441-446.	16.3	10
113	High Internal Quantum Efficiency of Nonpolar a-Plane AlGaN-Based Multiple Quantum Wells Grown on r-Plane Sapphire Substrate. ACS Photonics, 2018, 5, 1903-1906.	6.8	34
114	CO oxidation over ceria supported Au22 nanoclusters: Shape effect of the support. Chinese Chemical Letters, 2018, 29, 795-799.	9.0	45
115	Role of Interfaces in Two-Dimensional Photocatalyst for Water Splitting. ACS Catalysis, 2018, 8, 2253-2276.	11.5	816
116	Interface Engineering of Earth-Abundant Transition Metals Using Boron Nitride for Selective Electroreduction of CO₂. ACS Applied Materials & Interfaces, 2018, 10, 6694-6700.	8.2	54
117	Enhanced hole concentration in nonpolara-plane p-AlGaN film with multiple-step rapid thermal annealing technique. Journal Physics D: Applied Physics, 2018, 51, 095101.	2.9	7
118	Oneâ€Step Synthesis of Nb₂O₅/C/Nb₂C (MXene) Composites and Their Use as Photocatalysts for Hydrogen Evolution. ChemSusChem, 2018, 11, 688-699.	7.4	335
119	Fabrication of Au₂₅(SG)₁₈â€“ZIFâ€8 Nanocomposites: A Facile Strategy to Position Au₂₅(SG)₁₈ Nanoclusters Inside and Outside ZIFâ€8. Advanced Materials, 2018, 30, 1704576.	24.0	141
120	Effects of TiO₂ in Low Temperature Propylene Epoxidation Using Gold Catalysts. Journal of Physical Chemistry C, 2018, 122, 1688-1698.	3.2	40
121	Acidâ€“base catalysis over perovskites: a review. Journal of Materials Chemistry A, 2018, 6, 2877-2894.	10.4	111
122	A physical catalyst for the electrolysis of nitrogen to ammonia. Science Advances, 2018, 4, e1700336.	10.8	274
123	Molecular structure and sour gas surface chemistry of supported K2O/WO3/Al2O3 catalysts. Applied Catalysis B: Environmental, 2018, 232, 146-154.	20.4	19
124	Understanding Methanol Coupling on SrTiO₃ from First Principles. Journal of Physical Chemistry C, 2018, 122, 7210-7216.	3.2	3
125	Stronger-than-Pt hydrogen adsorption in a Au₂₂ nanocluster for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 7532-7537.	10.4	68
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128	Shape Effect Undermined by Surface Reconstruction: Ethanol Dehydrogenation over Shape-Controlled SrTiO₃ Nanocrystals. ACS Catalysis, 2018, 8, 555-565.	11.5	60
129	Acetic Acid/Propionic Acid Conversion on Metal Doped Molybdenum Carbide Catalyst Beads for Catalytic Hot Gas Filtration. Catalysts, 2018, 8, 643.	3.5	8
130	Understanding the Impact of Surface Reconstruction of Perovskite Catalysts on CH₄ Activation and Combustion. ACS Catalysis, 2018, 8, 10306-10315.	11.5	54
131	DMOF-1 as a Representative MOF for SO₂ Adsorption in Both Humid and Dry Conditions. Journal of Physical Chemistry C, 2018, 122, 23493-23500.	3.2	53
132	New Bonding Model of Radical Adsorbate on Lattice Oxygen of Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 6321-6325.	4.8	45
133	Study of dual nitridation processes in growth of non-polar a-plane AlGaN epi-layers. Materials Letters, 2018, 227, 108-111.	2.7	8
134	Surface chemistry connecting heterogeneous catalysis, photocatalysis and plasmonic catalysis. Chinese Chemical Letters, 2018, 29, 725-726.	9.0	9
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136	An extend RBAC model for privacy protection in HIS. , 2018, , .		0
137	First Principles Insight into H₂ Activation and Hydride Species on TiO₂ Surfaces. Journal of Physical Chemistry C, 2018, 122, 20323-20328.	3.2	46
138	Exploring perovskites for methane activation from first principles. Catalysis Science and Technology, 2018, 8, 702-709.	4.2	37
139	Epitaxial growth of semiâ€polar (11â€22) plane AlGaN epiâ€layers on mâ€plane (10â€10) sapphire substrates. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600802.	1.9	8
140	Aminopolymer functionalization of boron nitride nanosheets for highly efficient capture of carbon dioxide. Journal of Materials Chemistry A, 2017, 5, 16241-16248.	10.4	72
141	Toward the Design of a Hierarchical Perovskite Support: Ultra-Sintering-Resistant Gold Nanocatalysts for CO Oxidation. ACS Catalysis, 2017, 7, 3388-3393.	11.5	42
142	Effect of metal oxides modification on CO2 adsorption performance over mesoporous carbon. Microporous and Mesoporous Materials, 2017, 249, 34-41.	4.5	49
143	Influence of nitridation process on characteristics of N-polar AlGaN films grown by MOCVD. Materials Science in Semiconductor Processing, 2017, 64, 147-151.	4.1	8
144	Epitaxial growth and characterization of nonpolara-plane AlGaN films with MgN/AlGaN insertion layers. Applied Physics Express, 2017, 10, 045503.	2.4	5

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145	Single Pd Atoms on Î¸-Al2O3 (010) Surface do not Catalyze NO Oxidation. Scientific Reports, 2017, 7, 560.	3.4	20
146	Metallic Hydrogen in Atomically Precise Gold Nanoclusters. Chemistry of Materials, 2017, 29, 4840-4847.	6.9	74
147	High-performance stacked in-plane supercapacitors and supercapacitor array fabricated by femtosecond laser 3D direct writing on polyimide sheets. Electrochimica Acta, 2017, 241, 153-161.	5.3	94
148	Quantitative Analysis of the Morphology of {101} and {001} Faceted Anatase TiO₂ Nanocrystals and Its Implication on Photocatalytic Activity. Chemistry of Materials, 2017, 29, 5591-5604.	6.9	65
149	Controlling Reaction Selectivity through the Surface Termination of Perovskite Catalysts. Angewandte Chemie, 2017, 129, 9952-9956.	2.1	22
150	Controlling Reaction Selectivity through the Surface Termination of Perovskite Catalysts. Angewandte Chemie - International Edition, 2017, 56, 9820-9824.	14.6	48
151	Enhanced visible light photocatalytic water reduction from a g-C3N4/SrTa2O6 heterojunction. Applied Catalysis B: Environmental, 2017, 217, 448-458.	20.4	59
152	High hole concentration in nonpolar a-plane p-AlGaN films with Mg-delta doping technique. Superlattices and Microstructures, 2017, 109, 880-885.	3.3	10
153	Controlling interfacial properties in supported metal oxide catalysts through metalâ€“organic framework templating. Journal of Materials Chemistry A, 2017, 5, 13565-13572.	10.4	16
154	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. Nature Communications, 2017, 8, 15291.	13.0	206
155	Acidâ€“Base Reactivity of Perovskite Catalysts Probed via Conversion of 2-Propanol over Titanates and Zirconates. ACS Catalysis, 2017, 7, 4423-4434.	11.5	83
156	Selective conversion of bio-derived ethanol to renewable BTX over Ga-ZSM-5. Green Chemistry, 2017, 19, 4344-4352.	9.2	62
157	Catalytic Dehydration of Biomass Derived 1-Propanol to Propene over M-ZSM-5 (M = H, V, Cu, or Zn). Industrial & Engineering Chemistry Research, 2017, 56, 4302-4308.	3.7	15
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