

Kongzhai Li

List of Publications by Year in descending order

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129
papers

5,866
citations

70961

41
h-index

88477

70
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132
all docs

132
docs citations

132
times ranked

3776
citing authors

#	ARTICLE	IF	CITATIONS
1	Confined Ni-In intermetallic alloy nanocatalyst with excellent coking resistance for methane dry reforming. <i>Journal of Energy Chemistry</i> , 2022, 65, 34-47.	7.1	96
2	Enhanced performance of the CeO ₂ MgO oxygen carrier by NiO for chemical looping CO ₂ splitting. <i>Fuel Processing Technology</i> , 2022, 225, 107045.	3.7	10
3	Hydrogen generation from water splitting over polyfunctional perovskite oxygen carriers by using coke oven gas as reducing agent. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120778.	10.8	32
4	Enhanced performance of red mud for chemical-looping combustion of coal by the modification of transition metal oxides. <i>Journal of the Energy Institute</i> , 2022, 102, 22-31.	2.7	15
5	Sandwich Ni-phyllsilicate@ doped-ceria for moderate-temperature chemical looping dry reforming of methane. <i>Fuel Processing Technology</i> , 2022, 232, 107268.	3.7	12
6	Bifunctional Mn-Cu-CeO _x / β -Al ₂ O ₃ catalysts for low-temperature simultaneous removal of NO _x and CO. <i>Fuel</i> , 2022, 321, 124050.	3.4	20
7	Promotional effect of Sn additive on the chlorine resistance over SnMnO _x /LDO catalysts for synergistic removal of NO _x and CO-DCB. <i>Catalysis Science and Technology</i> , 2022, 12, 3863-3873.	2.1	9
8	Suppressing byproduct formation for high selective CO ₂ reduction over optimized Ni/TiO ₂ based catalysts. <i>Journal of Energy Chemistry</i> , 2022, 72, 465-478.	7.1	17
9	Optimization of Ni-Based Catalysts for Dry Reforming of Methane via Alloy Design: A Review. <i>Energy & Fuels</i> , 2022, 36, 5102-5151.	2.5	29
10	Catalytic combustion of lean methane over MnCo ₂ O ₄ /SiC catalysts: Enhanced activity and sulfur resistance. <i>Fuel</i> , 2022, 323, 124399.	3.4	13
11	Enhanced performance of LaFeO ₃ oxygen carriers by NiO for chemical looping partial oxidation of methane. <i>Fuel Processing Technology</i> , 2022, 236, 107396.	3.7	22
12	Hydrogen production via chemical looping reforming of coke oven gas. <i>Green Energy and Environment</i> , 2021, 6, 678-692.	4.7	30
13	Limonite as a source of solid iron in the crystallization of scorodite aiming at arsenic removal from smelting wastewater. <i>Journal of Cleaner Production</i> , 2021, 278, 123552.	4.6	28
14	Design of hybrid oxygen carriers with CeO ₂ particles on MnCo ₂ O ₄ microspheres for chemical looping combustion. <i>Chemical Engineering Journal</i> , 2021, 404, 126554.	6.6	25
15	Chemical-looping reforming of methane over La-Mn-Fe-O oxygen carriers: Effect of calcination temperature. <i>Chemical Engineering Science</i> , 2021, 229, 116085.	1.9	18
16	Thermodynamic evolution of magnetite oxygen carrier via chemical looping reforming of methane. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 85, 103704.	2.1	8
17	NiO and CuO coated monolithic oxygen carriers for chemical looping combustion of methane. <i>Journal of the Energy Institute</i> , 2021, 94, 199-209.	2.7	23
18	Electrochemical fixation of CO ₂ over a Mo plate to prepare a Mo ₂ C film for electrocatalytic hydrogen evolution. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4963-4969.	3.2	11

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19	Mineral-derived catalysts optimized for selective catalytic reduction of NO _x with NH ₃ . <i>Journal of Cleaner Production</i> , 2021, 289, 125756.	4.6	12
20	Enhanced activity of La _{1-x} MnCu _x O ₃ perovskite oxides for chemical looping steam methane reforming. <i>Fuel Processing Technology</i> , 2021, 215, 106744.	3.7	27
21	Optimized Ni-based catalysts for methane reforming with O ₂ -containing CO ₂ . <i>Applied Catalysis B: Environmental</i> , 2021, 289, 120033.	10.8	31
22	Enhanced Resistance to Carbon Deposition over La _{1-x} Ce _x Fe _{1-x} Ni _x O ₃ Oxygen Carrier for Chemical Looping Reforming. <i>Energy & Fuels</i> , 2021, 35, 15867-15878.	7	7
23	Enhanced resistance to carbon deposition in chemical-looping combustion of methane: Synergistic effect of different oxygen carriers via sequence filling. <i>Chemical Engineering Journal</i> , 2021, 421, 129776.	6.6	20
24	Highly effective remediation of high-arsenic wastewater using red mud through formation of AlAsO ₄ @silicate precipitate. <i>Environmental Pollution</i> , 2021, 287, 117484.	3.7	9
25	Self-generated Ni nanoparticles/LaFeO ₃ heterogeneous oxygen carrier for robust CO ₂ utilization under a cyclic redox scheme. <i>Nano Energy</i> , 2021, 89, 106379.	8.2	25
26	Density functional theory studies of transition metal carbides and nitrides as electrocatalysts. <i>Chemical Society Reviews</i> , 2021, 50, 12338-12376.	18.7	103
27	Enhanced propane and carbon monoxide oxidation activity by structural interactions of CeO ₂ with MnO _x /Nb ₂ O _{5-x} catalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118363.	10.8	26
28	Chemical Looping Conversion of Methane: A Review. <i>Energy Technology</i> , 2020, 8, 1900925.	1.8	87
29	Disposal of high-arsenic waste acid by the stepwise formation of gypsum and scorodite. <i>RSC Advances</i> , 2020, 10, 29-42.	1.7	32
30	Improved activity of magnetite oxygen carrier for chemical looping steam reforming by ultrasonic treatment. <i>Applied Energy</i> , 2020, 261, 114437.	5.1	26
31	Evaluation of Fe substitution in perovskite LaMnO ₃ for the production of high purity syngas and hydrogen. <i>Journal of Power Sources</i> , 2020, 449, 227505.	4.0	35
32	Strong Evidence of the Role of H ₂ O in Affecting Methanol Selectivity from CO ₂ Hydrogenation over Cu-ZnO-ZrO ₂ . <i>CheM</i> , 2020, 6, 419-430.	5.8	130
33	Layered Mg-Al spinel supported Ce-Fe-Zr-O oxygen carriers for chemical looping reforming. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2668-2676.	1.7	11
34	Enhanced performance of copper ore oxygen carrier by red mud modification for chemical looping combustion. <i>Applied Energy</i> , 2020, 277, 115590.	5.1	39
35	Interfacial Active Sites for CO ₂ Assisted Selective Cleavage of C-C/H Bonds in Ethane. <i>CheM</i> , 2020, 6, 2703-2716.	5.8	57
36	Encapsulated Co ₃ O ₄ /(SiAl@Al ₂ O ₃) thermal storage functional catalysts for catalytic combustion of lean methane. <i>Applied Thermal Engineering</i> , 2020, 181, 116012.	3.0	18

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37	Highly efficient reduction of O ₂ -containing CO ₂ via chemical looping based on perovskite nanocomposites. <i>Nano Energy</i> , 2020, 78, 105320.	8.2	32
38	Ultra-Fine CeO ₂ Particles Triggered Strong Interaction with LaFeO ₃ Framework for Total and Preferential CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42274-42284.	4.0	24
39	Moderate-temperature chemical looping splitting of CO ₂ and H ₂ O for syngas generation. <i>Chemical Engineering Journal</i> , 2020, 397, 125393.	6.6	19
40	Efficient removal of arsenic from copper smelting wastewater in form of scorodite using copper slag. <i>Journal of Cleaner Production</i> , 2020, 270, 122428.	4.6	51
41	Ultrahigh photo-stable all-inorganic perovskite nanocrystals and their robust random lasing. <i>Nanoscale Advances</i> , 2020, 2, 888-895.	2.2	6
42	Ce-Fe-Zr-O/MgO coated monolithic oxygen carriers for chemical looping reforming of methane to co-produce syngas and H ₂ . <i>Chemical Engineering Journal</i> , 2020, 388, 124190.	6.6	39
43	Removal and immobilization of arsenic from copper smelting wastewater using copper slag by in situ encapsulation with silica gel. <i>Chemical Engineering Journal</i> , 2020, 394, 124833.	6.6	86
44	Synergy of red mud oxygen carrier with MgO and NiO for enhanced chemical-looping combustion. <i>Energy</i> , 2020, 197, 117202.	4.5	36
45	Chemical Looping Conversion of Gaseous and Liquid Fuels for Chemical Production: A Review. <i>Energy & Fuels</i> , 2020, 34, 5381-5413.	2.5	95
46	Hydrostatic pressures effect on structure stability, electronic, optical and elastic properties of rutile VO ₂ doped TiO ₂ by density functional theory investigation. <i>Materials Research Express</i> , 2019, 6, 0965c2.	0.8	1
47	Controlled synthesis of Fe ₂ O ₃ hollows from FeOOH rods. <i>Chemical Physics Letters</i> , 2019, 731, 136623.	1.2	11
48	CO ₂ Hydrogenation to Methanol over ZrO ₂ -Containing Catalysts: Insights into ZrO ₂ Induced Synergy. <i>ACS Catalysis</i> , 2019, 9, 7840-7861.	5.5	253
49	Enhanced performance of red mud-based oxygen carriers by CuO for chemical looping combustion of methane. <i>Applied Energy</i> , 2019, 253, 113534.	5.1	46
50	Effect of Preparation Method on the Structural Characteristics of NiO-ZrO ₂ Oxygen Carriers for Chemical-looping Combustion. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 1024-1031.	1.3	5
51	Chemical Looping Co-splitting of H ₂ O and CO ₂ for Efficient Generation of Syngas. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15452-15462.	3.2	37
52	Ceria-nano supported copper oxide catalysts for CO preferential oxidation: Importance of oxygen species and metal-support interaction. <i>Applied Surface Science</i> , 2019, 494, 1166-1176.	3.1	69
53	Iron-rich copper ore as a promising oxygen carrier for chemical looping combustion of methane. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 101, 204-213.	2.7	20
54	Enhanced CH ₄ and CO Oxidation over Ce _x Fe _x O _{2+δ} Hybrid Catalysts by Tuning the Lattice Distortion and the State of Surface Iron Species. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19227-19241.	4.0	64

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55	Modified Al@Al ₂ O ₃ phase change materials by carbon via in-situ catalytic decomposition of methane. Solar Energy Materials and Solar Cells, 2019, 200, 109924.	3.0	17
56	Sn separation from Sn-bearing iron concentrates by roasting with waste tire rubber in N ₂ +CO+CO ₂ mixed gases. Journal of Hazardous Materials, 2019, 371, 440-448.	6.5	12
57	Exploring the ternary interactions in Cu-Zn-ZrO ₂ catalysts for efficient CO ₂ hydrogenation to methanol. Nature Communications, 2019, 10, 1166.	5.8	258
58	Syngas production modified by oxygen vacancies over CeO ₂ -ZrO ₂ -CuO oxygen carrier via chemical looping reforming of methane. Applied Surface Science, 2019, 481, 151-160.	3.1	32
59	Self-enhanced and efficient removal of arsenic from waste acid using magnetite as an in situ iron donator. Water Research, 2019, 157, 269-280.	5.3	46
60	Effect of Fe doping concentration on photocatalytic performance of CeO ₂ from DFT insight into analysis. AIP Advances, 2019, 9, .	0.6	10
61	Structure dependence of Nb ₂ O ₅ -X supported manganese oxide for catalytic oxidation of propane: Enhanced oxidation activity for MnO _x on a low surface area Nb ₂ O ₅ -X. Applied Catalysis B: Environmental, 2019, 244, 438-447.	10.8	64
62	The mechanism of photocatalyst and the effects of co-doping CeO ₂ on refractive index and reflectivity from DFT calculation. Computational Materials Science, 2019, 158, 197-208.	1.4	21
63	Synergy effects of combined red muds as oxygen carriers for chemical looping combustion of methane. Chemical Engineering Journal, 2018, 341, 588-600.	6.6	73
64	Chemical-looping water splitting over ceria-modified iron oxide: Performance evolution and element migration during redox cycling. Chemical Engineering Science, 2018, 179, 92-103.	1.9	56
65	Pyrolysis of arsenic-bearing gypsum sludge being substituted for calcium flux in smelting process. Journal of Analytical and Applied Pyrolysis, 2018, 130, 19-28.	2.6	19
66	Transport properties of active Brownian particles in a modified energy-depot model driven by correlated noises. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 716-728.	1.2	5
67	Phase transformation of Sn in tin-bearing iron concentrates by roasting with FeS ₂ in CO-CO ₂ mixed gases and its effects on Sn separation. Journal of Alloys and Compounds, 2018, 750, 8-16.	2.8	13
68	DFT insights into oxygen vacancy formation and CH ₄ activation over CeO ₂ surfaces modified by transition metals (Fe, Co and Ni). Physical Chemistry Chemical Physics, 2018, 20, 11912-11929.	1.3	64
69	Ce _{1-x} Fe _x O _{2-δ} catalysts for catalytic methane combustion: Role of oxygen vacancy and structural dependence. Catalysis Today, 2018, 318, 73-85.	2.2	55
70	Chemical looping reforming of methane using magnetite as oxygen carrier: Structure evolution and reduction kinetics. Applied Energy, 2018, 211, 1-14.	5.1	93
71	Enhanced performance of chemical looping combustion of methane by combining oxygen carriers via optimizing the stacking sequences. Applied Energy, 2018, 230, 696-711.	5.1	22
72	Facile Synthesis of Al@Al ₂ O ₃ Microcapsule for High-Temperature Thermal Energy Storage. ACS Sustainable Chemistry and Engineering, 2018, 6, 13226-13236.	3.2	30

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73	Perovskites as Geo-inspired Oxygen Storage Materials for Chemical Looping and Three-Way Catalysis: A Perspective. <i>ACS Catalysis</i> , 2018, 8, 8213-8236.	5.5	152
74	Separation of As from high As-Sb dust using Fe ₂ O ₃ as a fixative under O ₂ -N ₂ atmosphere. <i>Separation and Purification Technology</i> , 2018, 194, 81-88.	3.9	17
75	Effects of rare-earth (Nd, Er and Y) doping on catalytic performance of HZSM-5 zeolite catalysts for methyl mercaptan (CH ₃ SH) decomposition. <i>Applied Catalysis A: General</i> , 2017, 533, 66-74.	2.2	41
76	Synthesis, CO ₂ -tolerance and rate-determining step of Nb-doped Ce _{0.8} Gd _{0.2} O _{2-δ} Pr _{0.6} Sr _{0.4} Co _{0.5} Fe _{0.5} O _{3-δ} ceramic membranes. <i>Ceramics International</i> , 2017, 43, 6477-6486.	2.3	22
77	Enhanced activity and stability of Sm-doped HZSM-5 zeolite catalysts for catalytic methyl mercaptan (CH ₃ SH) decomposition. <i>Chemical Engineering Journal</i> , 2017, 317, 60-69.	6.6	41
78	Effect of transition metal Fe adsorption on CeO ₂ (110) surface in the methane activation and oxygen vacancy formation: A density functional theory study. <i>Applied Surface Science</i> , 2017, 416, 547-564.	3.1	41
79	Synthesis of mesoporous Pr _x Zr _{1-x} O ₂ solid solution with high thermal stability for catalytic soot oxidation. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 126-136.	2.9	16
80	CO Oxidation on Au/Fe ₂ O ₃ -Hollow Catalysts: General Synthesis and Structural Dependence. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12696-12710.	1.5	31
81	Enhanced Performance of Chemical Looping Combustion of CO with CaSO ₄ -CaO Oxygen Carrier. <i>Energy & Fuels</i> , 2017, 31, 5255-5265.	2.5	14
82	Modification of KNO ₃ on the reducibility and reactivity of Fe ₂ O ₃ -based oxygen carriers for chemical looping combustion of methane. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 1569-1578.	0.9	15
83	A yolk/shell strategy for designing hybrid phase change materials for heat management in catalytic reactions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24232-24246.	5.2	52
84	Orientation effect in helical coils with smooth and rib-roughened wall: Toward improved gas heaters for supercritical carbon dioxide Rankine cycles. <i>Energy</i> , 2017, 140, 530-545.	4.5	23
85	Chemical looping combustion of methane in a large laboratory unit: Model study on the reactivity and effective utilization of typical oxygen carriers. <i>Chemical Engineering Journal</i> , 2017, 328, 382-396.	6.6	30
86	Stochastic ecological kinetics of regime shifts in a time-delayed lake eutrophication ecosystem. <i>Ecosphere</i> , 2017, 8, e01805.	1.0	36
87	Characteristics of CaSO ₄ -CaO Oxidation for Chemical Looping Combustion with a CaSO ₄ -Based Oxygen Carrier. <i>Energy & Fuels</i> , 2017, 31, 13842-13851.	2.5	12
88	Water splitting for hydrogen generation over lanthanum-calcium-iron perovskite-type membrane driven by reducing atmosphere. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 19776-19787.	3.8	10
89	Designed oxygen carriers from macroporous LaFeO ₃ supported CeO ₂ for chemical-looping reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 51-63.	10.8	306
90	Thermodynamics on sulfur migration in CaSO ₄ oxygen carrier reduction by CO. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 979-985.	1.3	2

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91	A quantitative study on the interaction between curvature and buoyancy effects in helically coiled heat exchangers of supercritical CO ₂ Rankine cycles. <i>Energy</i> , 2016, 116, 661-676.	4.5	39
92	Soot combustion over Ce _{1-x} Fe _x O _{2-δ} and CeO ₂ /Fe ₂ O ₃ catalysts: Roles of solid solution and interfacial interactions in the mixed oxides. <i>Applied Surface Science</i> , 2016, 390, 513-525.	3.1	80
93	Effects of Co ₃ O ₄ nanocatalyst morphology on CO oxidation: Synthesis process map and catalytic activity. <i>Chinese Journal of Catalysis</i> , 2016, 37, 908-922.	6.9	41
94	Structure dependence and reaction mechanism of CO oxidation: A model study on macroporous CeO ₂ and CeO ₂ -ZrO ₂ catalysts. <i>Journal of Catalysis</i> , 2016, 344, 365-377.	3.1	148
95	Performance of cubic ZrO ₂ doped CeO ₂ : First-principles investigation on elastic, electronic and optical properties of Ce _{1-x} Zr _x O ₂ . <i>Journal of Alloys and Compounds</i> , 2016, 671, 208-219.	2.8	39
96	A DFT study of the structural, electronic and optical properties of transition metal doped fluorite oxides: $M_{0.75}Ce_{0.25}O_{2-\delta}$. <i>Solid State Communications</i> , 2016, 231-232, 68-79.	0.9	34
97	Enhanced Activity of CeO ₂ -ZrO ₂ Solid Solutions for Chemical-Looping Reforming of Methane via Tuning the Macroporous Structure. <i>Energy & Fuels</i> , 2016, 30, 638-647.	2.5	44
98	Bulk monolithic Ce _{0.8} Zr _{0.2} Fe _{0.1} O ₃ oxygen carriers for a fixed bed scheme of the chemical looping combustion: Reactivity of oxygen carrier. <i>Applied Energy</i> , 2016, 163, 19-31.	5.1	47
99	Synthesis gas generation by chemical-looping selective oxidation of methane using Pr _{1-x} Zr _x O _{2-δ} oxygen carriers. <i>Journal of the Energy Institute</i> , 2016, 89, 745-754.	2.7	10
100	ICOPE-15-C141 CO formation by carbon oxidation over reduced CeO ₂ -Fe ₂ O ₃ catalysts. The Proceedings of the International Conference on Power Engineering (ICOPE), 2015, 2015.12, _ICOPE-15--_ICOPE-15-.	0.0	0
101	Microstructure and oxygen evolution of Fe _{0.5} Ce _{0.5} mixed oxides by redox treatment. <i>Applied Surface Science</i> , 2014, 289, 378-383.	3.1	37
102	Enhanced reducibility and redox stability of Fe ₂ O ₃ in the presence of CeO ₂ nanoparticles. <i>RSC Advances</i> , 2014, 4, 47191-47199.	1.7	70
103	Characteristic of macroporous CeO ₂ -ZrO ₂ oxygen carrier for chemical-looping steam methane reforming. <i>Journal of Rare Earths</i> , 2014, 32, 842-848.	2.5	30
104	Structure and catalytic property of CeO ₂ -ZrO ₂ -Fe ₂ O ₃ mixed oxide catalysts for diesel soot combustion: Effect of preparation method. <i>Journal of Rare Earths</i> , 2014, 32, 817-823.	2.5	21
105	Chemical-Looping Steam Methane Reforming over a CeO ₂ -Fe ₂ O ₃ Oxygen Carrier: Evolution of Its Structure and Reducibility. <i>Energy & Fuels</i> , 2014, 28, 754-760.	2.5	137
106	<i>In Situ</i> Embedding of Mg ₂ NiH ₄ and YH ₃ Nanoparticles into Bimetallic Hydride NaMgH ₃ to Inhibit Phase Segregation for Enhanced Hydrogen Storage. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23635-23644.	1.5	33
107	Chemical interaction of Ce-Fe mixed oxides for methane selective oxidation. <i>Journal of Rare Earths</i> , 2014, 32, 824-830.	2.5	29
108	CeO ₂ modified Fe ₂ O ₃ for the chemical hydrogen storage and production via cyclic water splitting. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13381-13388.	3.8	50

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109	Chemical-looping steam methane reforming over macroporous CeO ₂ -ZrO ₂ solid solution: Effect of calcination temperature. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13361-13368.	3.8	61
110	Syngas production from methane over CeO ₂ -Fe ₂ O ₃ mixed oxides using a chemical-looping method. <i>Kinetics and Catalysis</i> , 2013, 54, 326-333.	0.3	20
111	Oxygen release/absorption properties and structural stability of Ce _{0.8} Fe _{0.2} O _{2-x} . <i>Journal of Materials Science</i> , 2013, 48, 5733-5743.	1.7	11
112	Anomalous transport controlled via potential fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 2623-2630.	1.2	5
113	Ce-Fe oxygen carriers for chemical-looping steam methane reforming. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4492-4501.	3.8	191
114	Modification of CeO ₂ on the redox property of Fe ₂ O ₃ . <i>Materials Letters</i> , 2013, 93, 129-132.	1.3	45
115	Syngas Generation from Methane Using a Chemical-Looping Concept: A Review of Oxygen Carriers. <i>Journal of Chemistry</i> , 2013, 2013, 1-8.	0.9	11
116	Enhancement of Reducibility and Oxygen Storage Capacity (OSC) of Ce-Fe Mixed Oxides by Repetitive Redox Treatment. <i>Chemistry Letters</i> , 2012, 41, 837-838.	0.7	2
117	Reaction characteristics of chemical-looping steam methane reforming over a Ce-ZrO ₂ solid solution oxygen carrier. <i>Mendeleev Communications</i> , 2011, 21, 221-223.	0.6	27
118	Hydrogen and syngas production from two-step steam reforming of methane using CeO ₂ as oxygen carrier. <i>Journal of Natural Gas Chemistry</i> , 2011, 20, 281-286.	1.8	48
119	Partial oxidation of methane to syngas with air by lattice oxygen transfer over ZrO ₂ -modified Ce-Fe mixed oxides. <i>Chemical Engineering Journal</i> , 2011, 173, 574-582.	6.6	83
120	Transformation of methane into synthesis gas using the redox property of Ce-Fe mixed oxides: Effect of calcination temperature. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3471-3482.	3.8	118
121	Syngas production from methane and air via a redox process using Ce-Fe mixed oxides as oxygen carriers. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 361-372.	10.8	183
122	Direct conversion of methane to synthesis gas using lattice oxygen of CeO ₂ -Fe ₂ O ₃ complex oxides. <i>Chemical Engineering Journal</i> , 2010, 156, 512-518.	6.6	125
123	Hydrogen and syngas production from two-step steam reforming of methane over CeO ₂ -Fe ₂ O ₃ oxygen carrier. <i>Journal of Rare Earths</i> , 2010, 28, 907-913.	2.5	81
124	Preparation and characterization of Ce-Fe-Zr-O(x)/MgO complex oxides for selective oxidation of methane to synthesis gas. <i>Journal of Rare Earths</i> , 2010, 28, 316-321.	2.5	14
125	Ce-Fe-O mixed oxide as oxygen carrier for the direct partial oxidation of methane to syngas. <i>Journal of Rare Earths</i> , 2010, 28, 560-565.	2.5	52
126	Preparation and characterization of Ce _{1-x} Ni _x O ₂ as oxygen carrier for selective oxidation methane to syngas in absence of gaseous oxygen. <i>Journal of Rare Earths</i> , 2010, 28, 357-361.	2.5	37

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127	C213 TWO-STEP STEAM REFORMING OF METHANE FOR HYDROGEN PRODUCTION : THERMODYNAMIC ANALYSIS AND REACTION SYSTEM SELECTION(Hydrogen and Reforming-1). The Proceedings of the International Conference on Power Engineering (ICOPE), 2009, 2009.2, _2-249_-2-254_.	0.0	0
128	Preparation and characterization of Ce1-Fe O2 complex oxides and its catalytic activity for methane selective oxidation. Journal of Rare Earths, 2008, 26, 245-249.	2.5	61
129	Catalytic performance of cerium iron complex oxides for partial oxidation of methane to synthesis gas. Journal of Rare Earths, 2008, 26, 705-710.	2.5	42