

Alessandro Trovarelli

List of Publications by Year in descending order

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all docs

198
docs citations

198
times ranked

11566
citing authors

#	ARTICLE	IF	CITATIONS
1	Key Properties and Parameters of Pd/CeO ₂ Passive NO _x Adsorbers. Industrial & Engineering Chemistry Research, 2022, 61, 3329-3341.	3.7	3
2	Removal of Organics from Landfill Leachate by Heterogeneous Fenton-like Oxidation over Copper-Based Catalyst. Catalysts, 2022, 12, 338.	3.5	14
3	Insights into the Redox Behavior of Pr _{0.5} Ba _{0.5} MnO ₃ -Derived Perovskites for CO ₂ Valorization Technologies. ACS Applied Energy Materials, 2022, 5, 6687-6699.	5.1	4
4	Methane oxidation activity and nanoscale characterization of Pd/CeO ₂ catalysts prepared by dry milling Pd acetate and ceria. Applied Catalysis B: Environmental, 2021, 282, 119567.	20.2	61
5	Pd/CeO ₂ Catalysts Prepared by Solvent-free Mechanochemical Route for Methane Abatement in Natural Gas Fueled Vehicles. Industrial & Engineering Chemistry Research, 2021, 60, 6435-6445.	3.7	15
6	Structural Evolution of Bimetallic PtPd/CeO ₂ Methane Oxidation Catalysts Prepared by Dry Milling. ACS Applied Materials & Interfaces, 2021, 13, 31614-31623.	8.0	25
7	Heterogeneous Fenton-like oxidation of ibuprofen over zirconia-supported iron and copper catalysts: effect of process variables. Journal of Water Process Engineering, 2021, 44, 102343.	5.6	7
8	Bimetallic Cu/Fe Catalysts for Ibuprofen Mineralization. Catalysts, 2021, 11, 1383.	3.5	5
9	Catalytic applications of cerium dioxide. , 2020, , 45-108.		11
10	Synthesis and properties of cerium oxide-based materials. , 2020, , 13-43.		11
11	The role of palladium salt precursors in Pd-PdO/CeO ₂ catalysts prepared by dry milling for methane oxidation. Catalysis Communications, 2020, 135, 105899.	3.3	16
12	Enhanced ibuprofen removal by heterogeneous-Fenton process over Cu/ZrO ₂ and Fe/ZrO ₂ catalysts. Journal of Environmental Chemical Engineering, 2020, 8, 103586.	6.7	35
13	Potential of Ceria-Zirconia-Based Materials in Carbon Soot Oxidation for Gasoline Particulate Filters. Catalysts, 2020, 10, 768.	3.5	13
14	Insights on the Interfacial Processes Involved in the Mechanical and Redox Stability of the BaCe _{0.65} Zr _{0.2} Y _{0.15} O ₃ –Ce _{0.85} Gd _{0.15} O ₂ Composite. ACS Applied Energy Materials, 2020, 3, 9877-9888.		
15	Influence of Nanoscale Surface Arrangements on the Oxygen Transfer Ability of Ceria–Zirconia Mixed Oxide. Inorganics, 2020, 8, 34.	2.7	4
16	Structure-activity relationship in Pd/CeO ₂ methane oxidation catalysts. Chinese Journal of Catalysis, 2020, 41, 938-950.	14.0	62
17	The effect of milling parameters on the mechanochemical synthesis of Pd–CeO ₂ methane oxidation catalysts. Catalysis Science and Technology, 2019, 9, 4232-4238.	4.1	33
18	The dynamics of PdO-Pd phase transformation in the presence of water over Si-doped Pd/CeO ₂ methane oxidation catalysts. Applied Catalysis A: General, 2019, 574, 79-86.	4.3	21

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19	Ceria-Based Materials in Hydrogenation and Reforming Reactions for CO ₂ Valorization. <i>Frontiers in Chemistry</i> , 2019, 7, 28.	3.6	98
20	<i>In situ</i> environmental HRTEM discloses low temperature carbon soot oxidation by ceria-zirconia at the nanoscale. <i>Chemical Communications</i> , 2019, 55, 3876-3878.	4.1	21
21	Methanol steam reforming behavior of sol-gel synthesized nanodimensional Cu _x Fe _{1-x} Al ₂ O ₄ heterocyanites. <i>Applied Catalysis A: General</i> , 2019, 570, 73-83.	4.3	19
22	Mechanism of Ethylene Oxychlorination on Ceria. <i>ACS Catalysis</i> , 2018, 8, 2651-2663.	11.2	22
23	Acetylene semi-hydrogenation over Pd-Zn/CeO ₂ : Relevance of CO adsorption and methanation as descriptors of selectivity. <i>Catalysis Communications</i> , 2018, 105, 52-55.	3.3	20
24	High stability and activity of solution combustion synthesized Pd-based catalysts for methane combustion in presence of water. <i>Applied Catalysis B: Environmental</i> , 2018, 230, 237-245.	20.2	87
25	Investigation of Iron Vanadates for Simultaneous Carbon Soot Abatement and NH ₃ -SCR. <i>Catalysts</i> , 2018, 8, 130.	3.5	8
26	Outstanding Methane Oxidation Performance of Palladium-Embedded Ceria Catalysts Prepared by a One-Step Dry Ball-Milling Method. <i>Angewandte Chemie</i> , 2018, 130, 10369-10373.	2.0	32
27	The Role of Neodymium in the Optimization of a Ni/CeO ₂ and Ni/CeZrO ₂ Methane Dry Reforming Catalyst. <i>Inorganics</i> , 2018, 6, 39.	2.7	14
28	Outstanding Methane Oxidation Performance of Palladium-Embedded Ceria Catalysts Prepared by a One-Step Dry Ball-Milling Method. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10212-10216.	13.8	117
29	Pd/REOs catalysts applied to the Suzuki-Miyaura coupling. A comparison of their catalytic performance and reusability. <i>Inorganica Chimica Acta</i> , 2018, 470, 275-283.	2.4	8
30	Simultaneous Removal of Soot and NO _x Over Silver and Ruthenium-Based Catalysts. <i>Topics in Catalysis</i> , 2017, 60, 209-213.	2.8	8
31	Degradation of phenol in wastewaters via heterogeneous Fenton-like Ag/CeO ₂ catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1159-1165.	6.7	30
32	SO ₂ resistant soot oxidation catalysts based on orthovanadates. <i>Catalysis Communications</i> , 2017, 97, 120-124.	3.3	3
33	Ceria Catalysts at Nanoscale: How Do Crystal Shapes Shape Catalysis?. <i>ACS Catalysis</i> , 2017, 7, 4716-4735.	11.2	526
34	Surface Faceting and Reconstruction of Ceria Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 375-379.	13.8	185
35	New Insights into the Dynamics That Control the Activity of Ceria-Zirconia Solid Solutions in Thermochemical Water Splitting Cycles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17746-17755.	3.1	26
36	Oberflächenfaccettierung und Rekonstruktion von Ceroxid-Nanopartikeln. <i>Angewandte Chemie</i> , 2017, 129, 382-387.	2.0	14

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37	Chemoselective hydrogenation of cinnamaldehyde at atmospheric pressure over combustion synthesized Pd catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 135-153.	1.7	13
38	The Effect of Sr Addition in Cu- and Fe-Modified CeO ₂ and ZrO ₂ Soot Combustion Catalysts. Catalysts, 2017, 7, 28.	3.5	14
39	Origin of High Activity and Selectivity of CuO/CeO ₂ Catalysts Prepared by Solution Combustion Synthesis in CO-PROX Reaction. Journal of Physical Chemistry C, 2016, 120, 13039-13048.	3.1	65
40	Structural and electrocatalytic properties of molten core Sn@SnO _x nanoparticles on ceria. Applied Catalysis B: Environmental, 2016, 197, 254-261.	20.2	11
41	Efficient fluoride adsorption by mesoporous hierarchical alumina microspheres. RSC Advances, 2016, 6, 42288-42296.	3.6	33
42	Ambient Pressure Photoemission Spectroscopy Reveals the Mechanism of Carbon Soot Oxidation in Ceria-Based Catalysts. ChemCatChem, 2016, 8, 2735-2735.	3.7	3
43	Ceria-Based Materials in Catalysis. Fundamental Theories of Physics, 2016, 50, 209-242.	0.3	37
44	Ambient Pressure Photoemission Spectroscopy Reveals the Mechanism of Carbon Soot Oxidation in Ceria-Based Catalysts. ChemCatChem, 2016, 8, 2748-2751.	3.7	54
45	Enhanced Stability of Fe ₂ O ₃ -Doped FeVO ₄ /TiO ₂ -WO ₃ -SiO ₂ SCR Catalysts. Topics in Catalysis, 2016, 59, 996-1001.	2.8	7
46	Simultaneous removal of soot and NO over K- and Ba-doped ruthenium supported catalysts. Catalysis Today, 2016, 267, 119-129.	4.4	21
47	Combustion synthesized copper-ion substituted FeAl ₂ O ₄ (Cu _{0.1} Fe _{0.9} Al ₂ O ₄): A superior catalyst for methanol steam reforming compared to its impregnated analogue. Journal of Power Sources, 2016, 304, 319-331.	7.8	47
48	Synergic effect of Cu/Ce _{0.5} Pr _{0.5} O ₂ - γ and Ce _{0.5} Pr _{0.5} O ₂ - γ in soot combustion. Applied Catalysis B: Environmental, 2016, 197, 95-104.	20.2	40
49	Water splitting reaction on Ce _{0.15} Zr _{0.85} O ₂ driven by surface heterogeneity. Catalysis Science and Technology, 2016, 6, 399-403.	4.1	15
50	Influence of Different Palladium Precursors on the Properties of Solution-Combustion-Synthesized Palladium/Ceria Catalysts for Methane Combustion. ChemCatChem, 2015, 7, 2222-2229.	3.7	24
51	Silver-based catalytic materials for the simultaneous removal of soot and NO. Catalysis Today, 2015, 258, 405-415.	4.4	31
52	Ceria-Zirconia Particles Wrapped in a 2D Carbon Envelope: Improved Low-Temperature Oxygen Transfer and Oxidation Activity. Angewandte Chemie - International Edition, 2015, 54, 14040-14043.	13.8	49
53	CO preferential oxidation under H ₂ -rich streams on copper oxide supported on Fe promoted CeO ₂ . Applied Catalysis A: General, 2015, 506, 268-277.	4.3	27
54	The influence of nano-architected CeO supports in RhPd/CeO ₂ for the catalytic ethanol steam reforming reaction. Catalysis Today, 2015, 253, 99-105.	4.4	44

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55	Sintering behaviour of olivine-ceria blends. <i>Ceramics International</i> , 2015, 41, 6293-6298.	4.8	6
56	CeO ₂ -ZrO ₂ Catalysts for the Use of Biogas in IT-SOFC. <i>ECS Transactions</i> , 2015, 68, 2789-2795.	0.5	2
57	Methanol steam reforming behavior of copper impregnated over CeO ₂ -ZrO ₂ derived from a surfactant assisted coprecipitation route. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10463-10479.	7.1	77
58	Preparation, characterization and NH ₃ -SCR activity of FeVO ₄ supported on TiO ₂ -WO ₃ -SiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 699-708.	20.2	45
59	Room temperature oxidation of formaldehyde on Pt-based catalysts: A comparison between ceria and other supports (TiO ₂ , Al ₂ O ₃ and ZrO ₂). <i>Catalysis Today</i> , 2015, 253, 163-171.	4.4	71
60	Structure and reactivity of ceria-zirconia catalysts for bromine and chlorine production via the oxidation of hydrogen halides. <i>Journal of Catalysis</i> , 2015, 331, 128-137.	6.2	34
61	SrTiO ₃ -based perovskites: Preparation, characterization and photocatalytic activity in gas-solid regime under simulated solar irradiation. <i>Journal of Catalysis</i> , 2015, 321, 13-22.	6.2	41
62	Mixed iron-erbium vanadate NH ₃ -SCR catalysts. <i>Catalysis Today</i> , 2015, 241, 159-168.	4.4	46
63	The formation of nanodomains of Ce ₆ O ₁₁ in ceria catalyzed soot combustion. <i>Journal of Catalysis</i> , 2014, 312, 191-194.	6.2	45
64	Ceria-based palladium zinc catalysts as promising materials for water gas shift reaction. <i>Catalysis Communications</i> , 2014, 47, 63-66.	3.3	18
65	Opposite Face Sensitivity of CeO ₂ in Hydrogenation and Oxidation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12069-12072.	13.8	199
66	Effect of redox treatments on Ce _{0.50} Zr _{0.50} O ₂ based solid oxide fuel cell anodes. <i>Journal of Power Sources</i> , 2014, 270, 79-91.	7.8	22
67	The Effect of Ceria on the Dynamics of CuO-Cu ₂ O Redox Transformation: Cu-Cu ₂ O Hysteresis on Ceria. <i>Catalysis Letters</i> , 2014, 144, 1023-1030.	2.6	14
68	Shape-Dependent Activity of Ceria in Soot Combustion. <i>ACS Catalysis</i> , 2014, 4, 172-181.	11.2	377
69	CERIA-BASED FORMULATIONS FOR CATALYSTS FOR DIESEL SOOT COMBUSTION. <i>Catalytic Science Series</i> , 2013, , 565-621.	0.0	9
70	Room-Temperature Suzuki-Miyaura Reaction Catalyzed by Pd Supported on Rare Earth Oxides: Influence of the Point of Zero Charge on the Catalytic Activity. <i>Catalysis Letters</i> , 2013, 143, 547-554.	2.6	21
71	Potential of Ceria-Based Catalysts for the Oxidation of Landfill Leachate by Heterogeneous Fenton Process. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-8.	2.5	19
72	Higher activity of Diesel soot oxidation over polycrystalline ceria and ceria-zirconia solid solutions from more reactive surface planes. <i>Catalysis Today</i> , 2012, 197, 119-126.	4.4	76

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73	Effect of process modification and presence of H ₂ O ₂ in the synthesis of samaria-doped ceria powders for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 1698-1709.	7.1	11
74	Catalytic Performance of Solution Combustion Synthesized Alumina- and Ceria-Supported Pt and Pd Nanoparticles for the Combustion of Propane and Dimethyl Ether (DME). <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 7510-7517.	3.7	31
75	The influence of ceria and other rare earth promoters on palladium-based methane combustion catalysts. <i>Catalysis Today</i> , 2012, 180, 124-130.	4.4	55
76	On the role of lattice/surface oxygen in ceria-zirconia catalysts for diesel soot combustion. <i>Catalysis Today</i> , 2012, 181, 108-115.	4.4	158
77	Improved high temperature stability of NH ₃ -SCR catalysts based on rare earth vanadates supported on TiO ₂ WO ₃ SiO ₂ . <i>Catalysis Today</i> , 2012, 184, 227-236.	4.4	65
78	Study on Redox, Structural and Electrical Properties of Ce _x Zr _{1-x} O ₂ for Applications in SOFC Anodes. <i>Journal of the Electrochemical Society</i> , 2011, 158, P22.	2.9	16
79	PdO hydrate as an efficient and recyclable catalyst for the Suzuki-Miyaura reaction in water/ethanol at room temperature. <i>Catalysis Communications</i> , 2011, 12, 563-567.	3.3	32
80	Study on Structural and Electrical Properties of Ce _{0.5} Zr _{0.5} O ₂ for Applications in SOFC Anode. <i>ECS Transactions</i> , 2010, 25, 335-344.	0.5	2
81	Activity, durability and microstructural characterization of ex-nitrate and ex-chloride Pt/Ce _{0.56} Zr _{0.44} O ₂ catalysts for low temperature water gas shift reaction. <i>Journal of Catalysis</i> , 2010, 270, 285-298.	6.2	36
82	Ni/CeO ₂ -ZrO ₂ catalysts for the dry reforming of methane. <i>Applied Catalysis A: General</i> , 2010, 377, 16-26.	4.3	374
83	An efficient and reusable catalyst based on Pd/CeO ₂ for the room temperature aerobic Suzuki-Miyaura reaction in water/ethanol. <i>Journal of Molecular Catalysis A</i> , 2010, 315, 197-204.	4.8	59
84	Comparison between Ni-Rh/gadolinia doped ceria catalysts in reforming of propane for anode implementations in intermediate solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 649-661.	7.8	13
85	Ethanol steam reforming and water gas shift over Co/ZnO catalytic honeycombs doped with Fe, Ni, Cu, Cr and Na. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 7690-7698.	7.1	103
86	Structure and morphology of Pd/Al ₂ O ₃ and Pd/CeO ₂ /Al ₂ O ₃ combustion catalysts in Pd-PdO transformation hysteresis. <i>Applied Catalysis A: General</i> , 2010, 390, 1-10.	4.3	110
87	Study of sulfur poisoning on Pd/Al ₂ O ₃ and Pd/CeO ₂ /Al ₂ O ₃ methane combustion catalysts. <i>Catalysis Today</i> , 2010, 155, 59-65.	4.4	45
88	Development of a modified co-precipitation route for thermally resistant, high surface area ceria-zirconia based solid solutions. <i>Studies in Surface Science and Catalysis</i> , 2010, , 835-838.	1.5	13
89	Nanofaceted Pd ₂ O Sites in Pd ₂ Ce Surface Superstructures: Enhanced Activity in Catalytic Combustion of Methane. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8481-8484.	13.8	256
90	Redox behavior of gold supported on ceria and ceria-zirconia based catalysts. <i>Journal of Rare Earths</i> , 2009, 27, 196-203.	4.8	22

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91	Ethanol steam reforming and water gas shift reaction over Co-Mn/ZnO catalysts. Chemical Engineering Journal, 2009, 154, 267-273.	12.7	43
92	A comparative study of water gas shift reaction over gold and platinum supported on ZrO ₂ and CeO ₂ -ZrO ₂ . Applied Catalysis B: Environmental, 2009, 88, 272-282.	20.2	57
93	Soot combustion over silver-supported catalysts. Applied Catalysis B: Environmental, 2009, 91, 489-498.	20.2	161
94	Effect of alternate CH ₄ -reducing/lean combustion treatments on the reactivity of fresh and S-poisoned Pd/CeO ₂ /Al ₂ O ₃ catalysts. Applied Catalysis B: Environmental, 2008, 80, 335-342.	20.2	48
95	Diesel soot combustion activity of ceria promoted with alkali metals. Catalysis Today, 2008, 136, 3-10.	4.4	120
96	Catalytic monoliths for ethanol steam reforming. Catalysis Today, 2008, 138, 187-192.	4.4	69
97	Influence of erbia or europia doping on crystal structure and microstructure of ceria-zirconia (CZ) solid solutions. Ceramics International, 2008, 34, 1327-1333.	4.8	8
98	The effect of CeO ₂ on the dynamics of Pd-PdO transformation over Pd/Al ₂ O ₃ combustion catalysts. Catalysis Communications, 2007, 8, 1263-1266.	3.3	81
99	An IR study of thermally stable V ₂ O ₅ -WO ₃ -TiO ₂ SCR catalysts modified with silica and rare-earth (Ce). Topics in Catalysis, 2007, 42-43, 319-322.	2.8	22
100	Promotion effect of surface Lanthanum in soot oxidation over ceria-based catalysts. Topics in Catalysis, 2007, 42-43, 319-322.	2.8	22
101	Regeneration of S-poisoned Pd/Al ₂ O ₃ and Pd/CeO ₂ /Al ₂ O ₃ catalysts for the combustion of methane. Topics in Catalysis, 2007, 42-43, 405-408.	2.8	9
102	Insights into the redox properties of ceria-based oxides and their implications in catalysis. Journal of Alloys and Compounds, 2006, 408-412, 1096-1102.	5.5	364
103	High-temperature stability of V ₂ O ₅ /TiO ₂ -WO ₃ -SiO ₂ SCR catalysts modified with rare-earth. Journal of Alloys and Compounds, 2006, 408-412, 1108-1112.	5.5	48
104	COD and AOX abatement in catalytic wet oxidation of halogenated liquid wastes using CeO ₂ -based catalysts. Journal of Alloys and Compounds, 2006, 408-412, 1136-1140.	5.5	18
105	An operando DRIFTS-MS study on model Ce _{0.5} Zr _{0.5} O ₂ redox catalyst: A critical evaluation of DRIFTS and MS data on CO abatement reaction. Catalysis Today, 2006, 113, 81-86.	4.4	37
106	Regeneration of S-poisoned Pd/Al ₂ O ₃ catalysts for the combustion of methane. Catalysis Today, 2006, 117, 569-576.	4.4	52
107	Insights into the dynamics of oxygen storage/release phenomena in model ceria-zirconia catalysts as inferred from transient studies using H ₂ , CO and soot as reductants. Catalysis Today, 2006, 112, 94-98.	4.4	41
108	Promotional effect of rare earths and transition metals in the combustion of diesel soot over CeO ₂ and CeO ₂ -ZrO ₂ . Catalysis Today, 2006, 114, 40-47.	4.4	295

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109	An investigation of possible mechanisms for the water-gas shift reaction over a ZrO ₂ -supported Pt catalyst. <i>Journal of Catalysis</i> , 2006, 244, 183-191.	6.2	98
110	Catalytic combustion of methane over bimetallic Pd-Pt catalysts: The influence of support materials. <i>Applied Catalysis B: Environmental</i> , 2006, 66, 175-185.	20.2	85
111	Surface-structure sensitivity of CO oxidation over polycrystalline ceria powders. <i>Journal of Catalysis</i> , 2005, 234, 88-95.	6.2	252
112	Structural and Morphological Investigation of Ceria-Promoted Al ₂ O ₃ under Severe Reducing/Oxidizing Conditions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11110-11118.	2.6	56
113	Catalytic Wet-oxidation of a Mixed Liquid Waste: COD and AOX Abatement. <i>Environmental Technology (United Kingdom)</i> , 2004, 25, 1397-1403.	2.2	12
114	On the mechanism of fast oxygen storage and release in ceria-zirconia model catalysts. <i>Applied Catalysis B: Environmental</i> , 2004, 52, 225-237.	20.2	145
115	The role of rare earth oxides as promoters and stabilizers in combustion catalysts. <i>Journal of Alloys and Compounds</i> , 2004, 374, 387-392.	5.5	77
116	Fundamentals and applications to environmental problems. <i>Catalysis Today</i> , 2003, 77, 285.	4.4	0
117	The use of temperature-programmed and dynamic/transient methods in catalysis: characterization of ceria-based, model three-way catalysts. <i>Catalysis Today</i> , 2003, 77, 407-417.	4.4	210
118	Polyoxoanion-supported catalysis: evidence for a P ₂ W ₁₅ Nb ₃ O ₆₂ -supported iridium cyclohexene oxidation catalyst starting from [n-Bu ₄ N] ₅ Na ₃ [(1,5-COD)Ir-P ₂ W ₁₅ Nb ₃ O ₆₂]. <i>Journal of Molecular Catalysis A</i> , 2003, 191, 253-279.	4.8	33
119	Expanded product, plus kinetic and mechanistic, studies of polyoxoanion-based cyclohexene oxidation catalysis: the detection of 1/40 products at higher conversion leading to a simple, product-based test for the presence of olefin autoxidation. <i>Journal of Molecular Catalysis A</i> , 2003, 191, 217-252.	4.8	42
120	The characterization and the catalytic activity of modified Wells-Dawson-type polyoxometalates in the oxidehydrogenation of isobutane to isobutene. <i>Journal of Molecular Catalysis A</i> , 2003, 204-205, 599-607.	4.8	17
121	STRUCTURAL PROPERTIES AND NONSTOICHIOMETRIC BEHAVIOR OF CeO ₂ . <i>Catalytic Science Series</i> , 2002, , 15-50.	0.0	40
122	Electrical and oxygen storage/release properties of nanocrystalline ceria-zirconia solid solutions. <i>Solid State Ionics</i> , 2002, 147, 85-95.	2.7	111
123	Reduction and Oxygen Storage Behavior of Noble Metals Supported on Silica-Doped Ceria. <i>Journal of Catalysis</i> , 2002, 211, 407-421.	6.2	43
124	Catalysis by Ceria and Related Materials. <i>Catalytic Science Series</i> , 2002, , .	0.0	740
125	Some recent developments in the characterization of ceria-based catalysts. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 584-591.	5.5	186
126	Some Insight into the Effects of Oxygen Diffusion in the Reduction Kinetics of Ceria. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 4828-4835.	3.7	26

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127	Oxygen Storage Behavior of Ceria-Zirconia-Based Catalysts in the Presence of SO ₂ . Topics in Catalysis, 2001, 16/17, 299-306.	2.8	30
128	Effect of sulfur on the oxygen storage/release capacity of Rh/CeO ₂ . Studies in Surface Science and Catalysis, 2000, 130, 1349-1354.	1.5	0
129	Remarkable stabilization of transition alumina operated by ceria under reducing and redox conditions. Applied Catalysis B: Environmental, 2000, 28, L77-L81.	20.2	136
130	The Dynamics of Oxygen Storage in Ceria-Zirconia Model Catalysts Measured by CO Oxidation under Stationary and Cycling Feedstream Compositions. Journal of Catalysis, 2000, 193, 338-347.	6.2	152
131	A Model for the Temperature-Programmed Reduction of Low and High Surface Area Ceria. Journal of Catalysis, 2000, 193, 273-282.	6.2	288
132	Relationships between Structural/Morphological Modifications and Oxygen Storage-Redox Behavior of Silica-Doped Ceria. Journal of Catalysis, 2000, 194, 461-478.	6.2	101
133	Structural Characterization of Ceria-zirconia Powder Catalysts Prepared by High-energy Mechanical Milling: A Neutron Diffraction Study. Journal of Materials Research, 2000, 15, 1538-1545.	2.6	27
134	Catalytic combustion of hydrocarbons with Mn and Cu-doped ceria-zirconia solid solutions. Catalysis Today, 1999, 47, 133-140.	4.4	186
135	The utilization of ceria in industrial catalysis. Catalysis Today, 1999, 50, 353-367.	4.4	854
136	Title is missing!. Topics in Catalysis, 1999, 9, 251-262.	2.8	4
137	Acid-base properties and catalytic activity of nanophase ceria-zirconia catalysts for 4-methylpentan-2-ol dehydration. Physical Chemistry Chemical Physics, 1999, 1, 3369-3375.	2.8	57
138	Structural and Oxygen Storage/Release Properties of CeO ₂ -Based Solid Solutions. Comments on Inorganic Chemistry, 1999, 20, 263-284.	5.2	194
139	Neutron diffraction studies of ceria-zirconia catalysts prepared by high-energy mechanical milling. Scripta Materialia, 1999, 12, 673-676.	0.5	6
140	The Synthesis and Characterization of Mesoporous High-Surface Area Ceria Prepared Using a Hybrid Organic/Inorganic Route. Journal of Catalysis, 1998, 178, 299-308.	6.2	227
141	The effect of water in the low-temperature catalytic oxidation of hydrogen sulfide to sulfur over activated carbon. Applied Catalysis A: General, 1998, 173, 185-192.	4.3	126
142	The preparation of high surface area CeO ₂ -ZrO ₂ mixed oxides by a surfactant-assisted approach. Catalysis Today, 1998, 43, 79-88.	4.4	202
143	Fast oxygen uptake/release over a new CeO _x phase. Chemical Communications, 1998, , 1897-1898.	4.1	23
144	Reactivity and Characterization of Pd-containing Ceria-Zirconia Catalysts for Methane Combustion. Studies in Surface Science and Catalysis, 1998, 119, 87-92.	1.5	24

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145	Unusual Oxygen Storage/Redox Behavior of High-Surface-Area Ceria Prepared by a Surfactant-Assisted Route. <i>Chemistry of Materials</i> , 1997, 9, 2676-2678.	6.7	96
146	A Temperature-Programmed and Transient Kinetic Study of CO ₂ Activation and Methanation over CeO ₂ -Supported Noble Metals. <i>Journal of Catalysis</i> , 1997, 166, 98-107.	6.2	225
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