

# Debora Fino

## List of Publications by Year in descending order

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181  
papers

7,682  
citations

44069

48  
h-index

64796

79  
g-index

183  
all docs

183  
docs citations

183  
times ranked

6852  
citing authors

#	ARTICLE	IF	CITATIONS
1	A thermoeconomic indicator for the sustainable development with social considerations. <i>Environment, Development and Sustainability</i> , 2022, 24, 2022-2036.	5.0	21
2	Mechanisms of interaction among enzymes and supports. , 2022, , 105-148.		3
3	Cerium-Copper Oxides Synthesized in a Multi-Inlet Vortex Reactor as Effective Nanocatalysts for CO and Ethene Oxidation Reactions. <i>Catalysts</i> , 2022, 12, 364.	3.5	4
4	Biomethanation of Rice Straw: A Sustainable Perspective for the Valorisation of a Field Residue in the Energy Sector. <i>Sustainability</i> , 2022, 14, 5679.	3.2	8
5	Covalent Immobilization of Aldehyde and Alcohol Dehydrogenases on Ordered Mesoporous Silicas. <i>Waste and Biomass Valorization</i> , 2022, 13, 4043-4055.	3.4	4
6	Conventional and ultrasound-assisted extraction of rice bran oil with isopropanol as solvent. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 29, 100741.	3.3	6
7	Zn <sup>2+</sup> and Cd <sup>2+</sup> removal from wastewater using clinoptilolite as adsorbent. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24355-24361.	5.3	19
8	Carbon monoxide fermentation to bioplastic: the effect of substrate adaptation on <i>Rhodospirillum rubrum</i> . <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 705-714.	4.6	5
9	Thermoeconomic analysis of Earth system in relation to sustainability: a thermodynamic analysis of weather changes due to anthropic activities. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 701-707.	3.6	14
10	A short review of green extraction technologies for rice bran oil. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 569-587.	4.6	52
11	Vitrification of municipal solid waste incineration fly ash: An approach to find the successful batch compositions. <i>Ceramics International</i> , 2021, 47, 7738-7744.	4.8	23
12	Synthesis and characterization of ordered mesoporous silicas for the immobilization of formate dehydrogenase (FDH). <i>International Journal of Biological Macromolecules</i> , 2021, 177, 261-270.	7.5	16
13	Ceria-based catalytic coatings on biomorphic silicon carbide: A system for soot oxidation with enhanced properties. <i>Chemical Engineering Journal</i> , 2021, 415, 128959.	12.7	9
14	Catalytic Abatement of Volatile Organic Compounds and Soot over Manganese Oxide Catalysts. <i>Materials</i> , 2021, 14, 4534.	2.9	9
15	Catalytic Oxidation of Volatile Organic Compounds over Porous Manganese Oxides Prepared via Sol-Gel Method. , 2021, , 59-78.		1
16	Screening of Gas Substrate and Medium Effects on 2,3-Butanediol Production with <i>C. ljungdahlii</i> and <i>C. autoethanogenum</i> Aided by Improved Autotrophic Cultivation Technique. <i>Fermentation</i> , 2021, 7, 264.	3.0	5
17	Food wastes and sewage sludge as feedstock for an urban biorefinery producing biofuels and added-value bioproducts. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 328-338.	3.2	71
18	Adsorption of Pb and Cd in rice husk and their immobilization in porous glass-ceramic structures. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 105-112.	2.1	8

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19	Recovery of humic acids from anaerobic sewage sludge: Extraction, characterization and encapsulation in alginate beads. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 277-285.	7.5	25
20	New insights on the defect sites evolution during CO oxidation over doped ceria nanocatalysts probed by in situ Raman spectroscopy. <i>Applied Catalysis A: General</i> , 2020, 596, 117517.	4.3	19
21	Thermodynamic optimisation of the biofuel production based on mutualism. <i>Energy Reports</i> , 2020, 6, 1561-1571.	5.1	26
22	Evaluation of automotive shredder residues (ASR) landfill behavior through lysimetric and traditional leaching tests. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13360-13369.	5.3	4
23	Cerium-Copper-Manganese Oxides Synthesized via Solution Combustion Synthesis (SCS) for Total Oxidation of VOCs. <i>Catalysis Letters</i> , 2020, 150, 1821-1840.	2.6	21
24	Nanostructured Equimolar Ceria-Praseodymia for Total Oxidations in Low-O <sub>2</sub> Conditions. <i>Catalysts</i> , 2020, 10, 165.	3.5	17
25	Heterogeneous mechanism of NO <sub>x</sub> -assisted soot oxidation in the passive regeneration of a bench-scale diesel particulate filter catalyzed with nanostructured equimolar ceria-praseodymia. <i>Applied Catalysis A: General</i> , 2019, 583, 117136.	4.3	25
26	Photocatalytic Abatement of Volatile Organic Compounds by TiO <sub>2</sub> Nanoparticles Doped with Either Phosphorous or Zirconium. <i>Materials</i> , 2019, 12, 2121.	2.9	13
27	Evaluation of anaerobic digestates from sewage sludge as a potential solution for improvement of soil fertility. <i>Waste Management</i> , 2019, 99, 122-134.	7.4	34
28	In situ Raman analyses of the soot oxidation reaction over nanostructured ceria-based catalysts. <i>Scientific Reports</i> , 2019, 9, 3875.	3.3	85
29	Advances in Cleaning Mobile Emissions: NO <sub>x</sub> -Assisted Soot Oxidation in Light-Duty Diesel Engine Vehicle Application. <i>Studies in Surface Science and Catalysis</i> , 2019, , 329-352.	1.5	1
30	Life Cycle Assessment of waste disposal from olive oil production: Anaerobic digestion and conventional disposal on soil. <i>Journal of Environmental Management</i> , 2019, 237, 94-102.	7.8	49
31	Novel Mn-Cu-Containing CeO <sub>2</sub> Nanopolyhedra for the Oxidation of CO and Diesel Soot (Part II): Effect of Oxygen Concentration on the Catalytic Activity. <i>Catalysis Letters</i> , 2019, 149, 107-118.	2.6	10
32	Nanostructured equimolar ceria-praseodymia for NO <sub>x</sub> -assisted soot oxidation: Insight into Pr dominance over Pt nanoparticles and metal-support interaction. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 147-161.	20.2	66
33	Enhanced electrochemical oxidation of phenol over manganese oxides under mild wet air oxidation conditions. <i>Electrochimica Acta</i> , 2018, 273, 53-62.	5.2	27
34	Recovery of Energy from Orange Peels Through Anaerobic Digestion and Pyrolysis Processes after d-Limonene Extraction. <i>Waste and Biomass Valorization</i> , 2018, 9, 1331-1337.	3.4	15
35	Experimental tests on commercial Sweet Product Residue (SPR) as a suitable feed for anaerobic bioenergy (H <sub>2</sub> + CH <sub>4</sub> ) production. <i>Waste Management</i> , 2018, 71, 626-635.	7.4	4
36	Novel Mn-Cu-Containing CeO <sub>2</sub> Nanopolyhedra for the Oxidation of CO and Diesel Soot: Effect of Dopants on the Nanostructure and Catalytic Activity. <i>Catalysis Letters</i> , 2018, 148, 298-311.	2.6	42

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37	Experimental measurement of the filtration efficiency and pressure drop of wall-flow diesel particulate filters (DPF) made of biomorphic Silicon Carbide using laboratory generated particles. Applied Thermal Engineering, 2018, 131, 41-53.	6.0	45
38	Ceria-supported small Pt and Pt 3 Sn nanoparticles for NO <sub>x</sub> -assisted soot oxidation. Applied Catalysis B: Environmental, 2017, 209, 295-310.	20.2	67
39	CuO nanoparticles supported by ceria for NO <sub>x</sub> -assisted soot oxidation: insight into catalytic activity and sintering. Applied Catalysis B: Environmental, 2017, 216, 41-58.	20.2	72
40	Cerium-copper oxides prepared by solution combustion synthesis for total oxidation reactions: From powder catalysts to structured reactors. Applied Catalysis B: Environmental, 2017, 205, 455-468.	20.2	104
41	Application of a global kinetic model on an SCR coated on Filter (SCR-F) catalyst for automotive applications. Fuel, 2017, 198, 183-192.	6.4	26
42	Life cycle assessment of orange peel waste management. Resources, Conservation and Recycling, 2017, 127, 148-158.	10.8	85
43	Structured catalytic reactor for soot abatement in a reducing atmosphere. Fuel Processing Technology, 2017, 167, 462-473.	7.2	6
44	Ceria-based nanomaterials as catalysts for CO oxidation and soot combustion: Effect of Zr-Pr doping and structural properties on the catalytic activity. AIChE Journal, 2017, 63, 216-225.	3.6	44
45	Electro-oxidation of phenol over electrodeposited MnO <sub>x</sub> nanostructures and the role of a TiO <sub>2</sub> nanotubes interlayer. Applied Catalysis B: Environmental, 2017, 203, 270-281.	20.2	60
46	Investigation on the conversion of rapeseed oil via supercritical ethanol condition in the presence of a heterogeneous catalyst. Green Processing and Synthesis, 2017, 6, 91-101.	3.4	6
47	Catalytic Activity of Nanostructured Ceria-Based Materials Prepared by Different Synthesis Conditions. , 2017, , .		1
48	Nanostructured Ceria-Based Materials: Effect of the Hydrothermal Synthesis Conditions on the Structural Properties and Catalytic Activity. Catalysts, 2017, 7, 174.	3.5	32
49	Role of ice structuring proteins on freezing-thawing cycles of pasta sauces. Journal of Food Science and Technology, 2016, 53, 4216-4223.	2.8	10
50	Catalytic Oxidation of CO and Soot over Ce-Zr-Pr Mixed Oxides Synthesized in a Multi-Inlet Vortex Reactor: Effect of Structural Defects on the Catalytic Activity. Nanoscale Research Letters, 2016, 11, 494.	5.7	37
51	Study on the CO Oxidation over Ceria-Based Nanocatalysts. Nanoscale Research Letters, 2016, 11, 165.	5.7	57
52	CO and Soot Oxidation over Ce-Zr-Pr Oxide Catalysts. Nanoscale Research Letters, 2016, 11, 278.	5.7	43
53	LCA of tungsten disulphide (WS <sub>2</sub> ) nano-particles synthesis: state of art and from-cradle-to-gate LCA. Journal of Cleaner Production, 2016, 139, 1478-1484.	9.3	20
54	Contact dynamics for a solid-solid reaction mediated by gas-phase oxygen: Study on the soot oxidation over ceria-based catalysts. Applied Catalysis B: Environmental, 2016, 199, 96-107.	20.2	55

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55	Mixing in digesters used to treat high viscosity substrates: The case of olive oil production wastes. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 915-923.	6.7	28
56	Evaluation of sustainable useful index (SUI) by fuzzy approach for energy producing processes. <i>Chemical Engineering Research and Design</i> , 2016, 107, 153-166.	5.6	7
57	Optimization of biogas production from coffee production waste. <i>Bioresource Technology</i> , 2016, 200, 884-890.	9.6	92
58	Selection of the best pretreatment for hydrogen and bioethanol production from olive oil waste products. <i>Renewable Energy</i> , 2016, 88, 401-407.	8.9	77
59	Nanostructured ceria-zirconia catalysts for CO oxidation: Study on surface properties and reactivity. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 35-46.	20.2	92
60	Nanostructured ceria-praseodymia catalysts for diesel soot combustion. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 125-137.	20.2	95
61	A review on the catalytic combustion of soot in Diesel particulate filters for automotive applications: From powder catalysts to structured reactors. <i>Applied Catalysis A: General</i> , 2016, 509, 75-96.	4.3	270
62	Investigations into nanostructured ceria-zirconia catalysts for soot combustion. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 271-282.	20.2	134
63	Multifunctional catalyst based on BaO/Pt/CeO <sub>2</sub> for NO <sub>2</sub> -assisted soot abatement and NO <sub>x</sub> storage. <i>Fuel</i> , 2015, 149, 78-84.	6.4	25
64	Catalysis in Diesel engine NO <sub>x</sub> aftertreatment: a review. <i>Journal of Lithic Studies</i> , 2015, 1, 155-173.	0.5	57
65	Abatement of CH <sub>4</sub> emitted by CNG vehicles using Pd-SBA-15 and Pd-KIT-6 catalysts. <i>Fuel</i> , 2015, 149, 2-7.	6.4	29
66	Multistep anaerobic digestion (MAD) as a tool to increase energy production via H <sub>2</sub> +CH <sub>4</sub> . <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5050-5061.	7.1	20
67	Scaled-up experimental biogas production from two agro-food waste mixtures having high inhibitory compound concentrations. <i>Renewable Energy</i> , 2015, 81, 71-77.	8.9	36
68	Mesoporous silica supported Rh catalysts for high concentration N <sub>2</sub> O decomposition. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 158-168.	20.2	50
69	Nanostructured ceria-based catalysts for soot combustion: Investigations on the surface sensitivity. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 742-751.	20.2	234
70	The selection of pretreatment options for anaerobic digestion (AD): A case study in olive oil waste production. <i>Chemical Engineering Journal</i> , 2015, 259, 630-639.	12.7	59
71	Mesoporous manganese oxides prepared by solution combustion synthesis as catalysts for the total oxidation of VOCs. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 277-287.	20.2	415
72	Electrochemical oxidation of urea in aqueous solutions using a boron-doped thin-film diamond electrode. <i>Diamond and Related Materials</i> , 2014, 44, 109-116.	3.9	43

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73	On the ASR and ASR thermal residues characterization of full scale treatment plant. Waste Management, 2014, 34, 448-457.	7.4	39
74	Nanolubricants for diesel engines: Related emissions and compatibility with the after-treatment catalysts. Tribology International, 2014, 72, 198-207.	5.9	12
75	DIESEL SOOT COMBUSTION WITH PEROVSKITE CATALYSTS. Chemical Engineering Communications, 2014, 201, 1327-1339.	2.6	8
76	Full scale treatment of ASR wastes in a modified rotary kiln. Waste Management, 2014, 34, 2347-2354.	7.4	23
77	Influence on the performance and emissions of an automotive Euro 5 diesel engine fueled with F30 from Farnesane. Fuel, 2014, 138, 134-142.	6.4	48
78	Hazard assessment of W and Mo sulphide nanomaterials for automotive use. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	15
79	Catalytic Wet Air Oxidation of Maleic Acid Over Lanthanum-Based Perovskites Synthesized by Solution Combustion Synthesis. Waste and Biomass Valorization, 2014, 5, 857-863.	3.4	7
80	CeO <sub>2</sub> -based catalysts with engineered morphologies for soot oxidation to enhance soot-catalyst contact. Nanoscale Research Letters, 2014, 9, 254.	5.7	65
81	Development of modified KIT-6 and SBA-15-spherical supported Rh catalysts for N <sub>2</sub> O abatement: From powder to monolith supported catalysts. Chemical Engineering Journal, 2014, 238, 198-205.	12.7	38
82	Energy efficacy used to score organic refuse pretreatment processes for hydrogen anaerobic production. Waste Management, 2013, 33, 2225-2233.	7.4	20
83	CeO <sub>2</sub> catalysts with fibrous morphology for soot oxidation: The importance of the soot-catalyst contact conditions. Catalysis Today, 2013, 216, 57-63.	4.4	113
84	Toward the scale-up of agro-food feed mixture for biogas production. Journal of Environmental Chemical Engineering, 2013, 1, 1223-1230.	6.7	19
85	Modified KIT-6 and SBA-15-spherical supported metal catalysts for N <sub>2</sub> O decomposition. Journal of Environmental Chemical Engineering, 2013, 1, 164-174.	6.7	21
86	Improved Soot Combustion in DPF Catalyzed by Ceria Nanofibers: The Importance of Soot-catalyst Contact. , 2013, , .		1
87	Heavy metal removal by means of electrocoagulation using aluminum electrodes for drinking water purification. Journal of Applied Electrochemistry, 2012, 42, 809-817.	2.9	18
88	LCA of petroleum-based lubricants: state of art and inclusion of additives. International Journal of Life Cycle Assessment, 2012, 17, 987-996.	4.7	26
89	After-treatment of household wood-fired stove emissions: From catalyst formulation to full-scale system. Catalysis Today, 2012, 197, 76-89.	4.4	15
90	Influence of Diesel Fuel Characteristics on Soot Oxidation Properties. Industrial & Engineering Chemistry Research, 2012, 51, 7559-7564.	3.7	13

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91	Kinetic Study of Diesel Soot Combustion with Perovskite Catalysts. Industrial & Engineering Chemistry Research, 2012, 51, 7584-7589.	3.7	16
92	Particle Number and Size Emissions from a Small Displacement Automotive Diesel Engine: Bioderived vs Conventional Fossil Fuels. Industrial & Engineering Chemistry Research, 2012, 51, 7565-7572.	3.7	10
93	Eco-efficient waste glass recycling: Integrated waste management and green product development through LCA. Waste Management, 2012, 32, 1000-1008.	7.4	118
94	Enzymatic Hydrolysis of Lignocellulosic Biomasses via CFD and Experiments. Industrial & Engineering Chemistry Research, 2012, 51, 7518-7525.	3.7	20
95	Impact of Engine Operating Conditions on Particle Number and Size from a Small Displacement Automotive Diesel Engine. , 2012, , .		2
96	Dietary vs. transport: an analysis of environmental burdens pertaining to a typical workday. International Journal of Consumer Studies, 2012, 36, 133-140.	11.6	10
97	Synthesis and catalytic properties of CeO <sub>2</sub> and Co/CeO <sub>2</sub> nanofibres for diesel soot combustion. Catalysis Today, 2012, 184, 279-287.	4.4	73
98	Novel mesoporous silica supported ZnO adsorbents for the desulphurization of biogas at low temperatures. Chemical Engineering Journal, 2012, 188, 222-232.	12.7	91
99	Direct liquefaction of ligno-cellulosic residues for liquid fuel production. Fuel, 2012, 94, 324-332.	6.4	43
100	N <sub>2</sub> O decomposition by mesoporous silica supported Rh catalysts. Journal of Hazardous Materials, 2012, 211-212, 255-265.	12.4	67
101	Influence of the MgCo <sub>2</sub> O <sub>4</sub> Preparation Method on N <sub>2</sub> O Catalytic Decomposition. Industrial & Engineering Chemistry Research, 2011, 50, 2622-2627.	3.7	41
102	Characterization of Particulate Matter Emissions from a Common-Rail Diesel Engine. Industrial & Engineering Chemistry Research, 2011, 50, 3004-3010.	3.7	5
103	Low Temperature NH <sub>3</sub> Selective Catalytic Reduction of NO <sub>x</sub> over Substituted MnCr <sub>2</sub> O <sub>4</sub> Spinel-Oxide Catalysts. Industrial & Engineering Chemistry Research, 2011, 50, 6668-6672.	3.7	52
104	Detailed Investigation on Soot Particle Size Distribution during DPF Regeneration, using Standard and Bio-Diesel Fuels. Industrial & Engineering Chemistry Research, 2011, 50, 2650-2658.	3.7	40
105	The Contribution of Lube Additives to the Life Cycle Impacts of Fully Formulated Petroleum-Based Lubricants. American Journal of Applied Sciences, 2011, 8, 1232-1240.	0.2	9
106	A new concept for a self-cleaning household oven. Chemical Engineering Journal, 2011, 176-177, 253-259.	12.7	7
107	A novel ZnO-based adsorbent for biogas purification in H <sub>2</sub> production systems. Chemical Engineering Journal, 2011, 176-177, 272-279.	12.7	45
108	Future Perspectives for Bio-Energy Production in the Province of Turin. Waste and Biomass Valorization, 2011, 2, 59-64.	3.4	2

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109	Detailed investigation of non-catalytic DPF regeneration. Canadian Journal of Chemical Engineering, 2011, 89, 401-407.	1.7	42
110	Biogas purification for MCFC application. International Journal of Hydrogen Energy, 2011, 36, 8112-8118.	7.1	45
111	High performance sorbents for diesel oil desulfurization. Chemical Engineering Science, 2010, 65, 603-609.	3.8	60
112	NO and C Oxidation with Pt Recovered From Spent Catalytic Converters. Waste and Biomass Valorization, 2010, 1, 235-239.	3.4	1
113	Cost optimization of the current density for electrooxidation wastewater processes. Chemical Engineering Journal, 2010, 160, 497-502.	12.7	17
114	NO SCR reduction by hydrogen generated in line on perovskite-type catalysts for automotive diesel exhaust gas treatment. Chemical Engineering Science, 2010, 65, 120-127.	3.8	41
115	Numerical simulation of soot filtration and combustion within diesel particulate filters. Chemical Engineering Science, 2010, 65, 357-363.	3.8	95
116	Power and Hydrogen Co-generation from Biogas. Energy & Fuels, 2010, 24, 4743-4747.	5.1	18
117	Appraisal of a De-NO <sub>x</sub> System Based on H <sub>2</sub> for Light-Duty Diesel Engine Vehicles. Industrial & Engineering Chemistry Research, 2010, 49, 10323-10333.	3.7	19
118	Electrochemical oxidation process for water condensates recycling in a shuttle orbiter. Journal of Applied Electrochemistry, 2009, 39, 2239-2249.	2.9	3
119	Photo-catalytic coating of polystyrene for household cooling appliances with self cleaning surfaces. Journal of Applied Electrochemistry, 2009, 39, 2265-2273.	2.9	6
120	Pd-Perovskite Catalysts for Methane Emissions Abatement: Study of Pd Substitution Effects. Topics in Catalysis, 2009, 52, 2001-2006.	2.8	8
121	Comparison of Different Diesel Particulate Filters. Topics in Catalysis, 2009, 52, 2076-2082.	2.8	12
122	New Tool for Experimental Analysis of Diesel Particulate Filter Loading. Topics in Catalysis, 2009, 52, 2083-2087.	2.8	16
123	New concept for soot removal from a syngas mixture. Journal of Power Sources, 2009, 193, 338-341.	7.8	7
124	Experimental investigation of soot deposition in diesel particulate filters. Catalysis Today, 2009, 147, S295-S300.	4.4	65
125	Towards practical application of lanthanum ferrite catalysts for NO reduction with H <sub>2</sub> . Chemical Engineering Journal, 2009, 154, 348-354.	12.7	24
126	Combined direct and indirect electrooxidation of urea containing water. Journal of Applied Electrochemistry, 2008, 38, 915-922.	2.9	45



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127	Electrokinetic remediation of soils contaminated with heavy metals. Journal of Applied Electrochemistry, 2008, 38, 1035-1041.	2.9	18
128	Removal of NO <sub>x</sub> and diesel soot over catalytic traps based on spinel-type oxides. Powder Technology, 2008, 180, 74-78.	4.2	48
129	Open issues in oxidative catalysis for diesel particulate abatement. Powder Technology, 2008, 180, 64-73.	4.2	100
130	Promotion effect of Au on perovskite catalysts for the regeneration of diesel particulate filters. Catalysis Today, 2008, 137, 306-311.	4.4	48
131	Towards a single brick solution for the abatement of NO <sub>x</sub> and soot from diesel engine exhausts. Catalysis Today, 2008, 137, 300-305.	4.4	32
132	Co <sub>3</sub> O <sub>4</sub> –CeO <sub>2</sub> mixed oxide-based catalytic materials for diesel soot oxidation. Catalysis Today, 2008, 132, 188-193.	4.4	80
133	Lanthanum cobaltite catalysts for diesel soot combustion. Applied Catalysis B: Environmental, 2008, 83, 85-95.	20.2	105
134	Desulfurization processes for fuel cells systems. International Journal of Hydrogen Energy, 2008, 33, 3209-3214.	7.1	53
135	Supported Pd-perovskite catalyst for CNG engines' exhaust gas treatment. Progress in Solid State Chemistry, 2007, 35, 501-511.	7.2	40
136	Fate of Organic Nitrogen during Electrooxidation over Conductive Metal Oxide Anodes. Industrial & Engineering Chemistry Research, 2007, 46, 6783-6787.	3.7	11
137	N <sub>2</sub> O Decomposition over Perovskite Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 4226-4231.	3.7	111
138	Combined steady state and transient optimization for dynamic smoke reduction on Heavy Duty engine (TIER3 Applications). , 2007, , .		2
139	Diesel emission control: Catalytic filters for particulate removal. Science and Technology of Advanced Materials, 2007, 8, 93-100.	6.1	138
140	N <sub>2</sub> O catalytic decomposition over various spinel-type oxides. Catalysis Today, 2007, 119, 228-232.	4.4	151
141	LiCoO <sub>2</sub> catalyst for diesel particulate abatement. Catalysis Today, 2007, 119, 257-261.	4.4	35
142	Preparation and regeneration of a catalytic diesel particulate filter. Chemical Engineering Science, 2007, 62, 5182-5185.	3.8	27
143	Three-compartment electro-oxidation reactor for bio-refractory organics degradation. Chemical Engineering Science, 2007, 62, 5644-5647.	3.8	4
144	Electrochemical removal of antibiotics from wastewaters. Applied Catalysis B: Environmental, 2007, 70, 479-487.	20.2	171

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145	Secondary nanoparticle emissions during diesel particulate trap regeneration. Topics in Catalysis, 2007, 42-43, 253-257.	2.8	12
146	Zirconia supported Ru-Co bimetallic catalysts for diesel soot oxidation. Topics in Catalysis, 2007, 42-43, 273-276.	2.8	22
147	Catalytic wall-flow filters for the abatement of diesel particulate: regeneration parameters study. Topics in Catalysis, 2007, 45, 125-129.	2.8	4
148	Bio-refractory organics degradation over semiconductor foam under a superimposed electric field. Catalysis Today, 2007, 124, 273-279.	4.4	7
149	PM0.1 Emissions during Diesel Trap Regeneration. Environmental Science & Technology, 2006, 40, 5532-5537.	10.0	37
150	CNG engines exhaust gas treatment via Pd-Spinel-type-oxide catalysts. Catalysis Today, 2006, 117, 559-563.	4.4	54
151	La-Cr perovskite catalysts for diesel particulate combustion. Catalysis Today, 2006, 114, 31-39.	4.4	70
152	Supported gold catalysts for CO oxidation. Catalysis Today, 2006, 117, 214-219.	4.4	28
153	Towards practical application of lanthanum chromite catalysts for diesel particulate combustion. Catalysis Today, 2006, 117, 369-375.	4.4	10
154	Catalytic removal of NOx and diesel soot over nanostructured spinel-type oxides. Journal of Catalysis, 2006, 242, 38-47.	6.2	171
155	High catalytic activity of SCS-synthesized ceria towards diesel soot combustion. Applied Catalysis B: Environmental, 2006, 69, 85-92.	20.2	63
156	Novel Approches in Oxidative Catalysis for Diesel Particulate Abatement. Advances in Science and Technology, 2006, 45, 2083-2088.	0.2	1
157	Gas (Particulate) Filtration. , 2006, , 416-438.		4
158	Studies on the redox properties of chromite perovskite catalysts for soot combustion. Journal of Catalysis, 2005, 229, 459-469.	6.2	225
159	Catalyzed traps for diesel soot abatement: In situ processing and deposition of perovskite catalyst. Applied Catalysis B: Environmental, 2005, 61, 297-305.	20.2	41
160	Deactivation and regeneration of Pt anodes for the electro-oxidation of phenol. Journal of Applied Electrochemistry, 2005, 35, 405-411.	2.9	33
161	Diesel Particulate Filtration and Combustion in a Wall-Flow Trap Hosting a LiCrO2Catalyst. Industrial & Engineering Chemistry Research, 2005, 44, 9549-9555.	3.7	28
162	Multifunctional Filter for Treatment of the Flue Gases from Municipal Waste Incinerators. Industrial & Engineering Chemistry Research, 2005, 44, 9542-9548.	3.7	20

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163	Cs-V Catalysts for the Combustion of Diesel Particulate. Topics in Catalysis, 2004, 30/31, 251-255.	2.8	8
164	Nanosized Pt-Perovskite Catalyst for the Regeneration of a Wall-Flow Filter for Soot Removal from Diesel Exhaust Gases. Topics in Catalysis, 2004, 30/31, 299-303.	2.8	21
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