Debora Fino

List of Publications by Year in descending order

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	Mesoporous manganese oxides prepared by solution combustion synthesis as catalysts for the total oxidation of VOCs. Applied Catalysis B: Environmental, 2015, 163, 277-287.	20.2	415
2	A review on the catalytic combustion of soot in Diesel particulate filters for automotive applications: From powder catalysts to structured reactors. Applied Catalysis A: General, 2016, 509, 75-96.	4.3	270
3	The role of suprafacial oxygen in some perovskites for the catalytic combustion of soot. Journal of Catalysis, 2003, 217, 367-375.	6.2	255
4	Nanostructured ceria-based catalysts for soot combustion: Investigations on the surface sensitivity. Applied Catalysis B: Environmental, 2015, 165, 742-751.	20.2	234
5	Studies on the redox properties of chromite perovskite catalysts for soot combustion. Journal of Catalysis, 2005, 229, 459-469.	6.2	225
6	Catalytic removal of NOx and diesel soot over nanostructured spinel-type oxides. Journal of Catalysis, 2006, 242, 38-47.	6.2	171
7	Electrochemical removal of antibiotics from wastewaters. Applied Catalysis B: Environmental, 2007, 70, 479-487.	20.2	171
8	N2O catalytic decomposition over various spinel-type oxides. Catalysis Today, 2007, 119, 228-232.	4.4	151
9	Diesel emission control: Catalytic filters for particulate removal. Science and Technology of Advanced Materials, 2007, 8, 93-100.	6.1	138
10	Investigations into nanostructured ceriaâ€“zirconia catalysts for soot combustion. Applied Catalysis B: Environmental, 2016, 180, 271-282.	20.2	134
11	Studies on kinetics and reactions mechanism of La2â^'xKxCu1â^'yVyO4 layered perovskites for the combined removal of diesel particulate and NOx. Applied Catalysis B: Environmental, 2003, 43, 243-259.	20.2	130
12	Eco-efficient waste glass recycling: Integrated waste management and green product development through LCA. Waste Management, 2012, 32, 1000-1008.	7.4	118
13	CeO2 catalysts with fibrous morphology for soot oxidation: The importance of the sootâ€“catalyst contact conditions. Catalysis Today, 2013, 216, 57-63.	4.4	113
14	N2O Decomposition over Perovskite Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 4226-4231.	3.7	111
15	Lanthanum cobaltite catalysts for diesel soot combustion. Applied Catalysis B: Environmental, 2008, 83, 85-95.	20.2	105
16	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
17	Open issues in oxidative catalysis for diesel particulate abatement. Powder Technology, 2008, 180, 64-73.	4.2	100
18	Numerical simulation of soot filtration and combustion within diesel particulate filters. Chemical Engineering Science, 2010, 65, 357-363.	3.8	95

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19	Nanostructured ceria-praseodymia catalysts for diesel soot combustion. Applied Catalysis B: Environmental, 2016, 197, 125-137.	20.2	95
20	Optimization of biogas production from coffee production waste. Bioresource Technology, 2016, 200, 884-890.	9.6	92
21	Nanostructured ceria-zirconia catalysts for CO oxidation: Study on surface properties and reactivity. Applied Catalysis B: Environmental, 2016, 197, 35-46.	20.2	92
22	Novel mesoporous silica supported ZnO adsorbents for the desulphurization of biogas at low temperatures. Chemical Engineering Journal, 2012, 188, 222-232.	12.7	91
23	Life cycle assessment of orange peel waste management. Resources, Conservation and Recycling, 2017, 127, 148-158.	10.8	85
24	In situ Raman analyses of the soot oxidation reaction over nanostructured ceria-based catalysts. Scientific Reports, 2019, 9, 3875.	3.3	85
25	Co3O4â€“CeO2 mixed oxide-based catalytic materials for diesel soot oxidation. Catalysis Today, 2008, 132, 188-193.	4.4	80
26	Selection of the best pretreatment for hydrogen and bioethanol production from olive oil waste products. Renewable Energy, 2016, 88, 401-407.	8.9	77
27	Synthesis and catalytic properties of CeO2 and Co/CeO2 nanofibres for diesel soot combustion. Catalysis Today, 2012, 184, 279-287.	4.4	73
28	CuO nanoparticles supported by ceria for NO x -assisted soot oxidation: insight into catalytic activity and sintering. Applied Catalysis B: Environmental, 2017, 216, 41-58.	20.2	72
29	Innovative means for the catalytic regeneration of particulate traps for diesel exhaust cleaning. Chemical Engineering Science, 2003, 58, 951-958.	3.8	71
30	Food wastes and sewage sludge as feedstock for an urban biorefinery producing biofuels and addedâ€value bioproducts. Journal of Chemical Technology and Biotechnology, 2020, 95, 328-338.	3.2	71
31	Laâ€“Liâ€“Cr perovskite catalysts for diesel particulate combustion. Catalysis Today, 2006, 114, 31-39.	4.4	70
32	N2O decomposition by mesoporous silica supported Rh catalysts. Journal of Hazardous Materials, 2012, 211-212, 255-265.	12.4	67
33	Ceria-supported small Pt and Pt 3 Sn nanoparticles for NO x -assisted soot oxidation. Applied Catalysis B: Environmental, 2017, 209, 295-310.	20.2	67
34	Nanostructured equimolar ceria-praseodymia for NOx-assisted soot oxidation: Insight into Pr dominance over Pt nanoparticles and metalâ€“support interaction. Applied Catalysis B: Environmental, 2018, 226, 147-161.	20.2	66
35	Experimental investigation of soot deposition in diesel particulate filters. Catalysis Today, 2009, 147, S295-S300.	4.4	65
36	CeO2-based catalysts with engineered morphologies for soot oxidation to enhance soot-catalyst contact. Nanoscale Research Letters, 2014, 9, 254.	5.7	65

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37	High catalytic activity of SCS-synthesized ceria towards diesel soot combustion. Applied Catalysis B: Environmental, 2006, 69, 85-92.	20.2	63
38	High performance sorbents for diesel oil desulfurization. Chemical Engineering Science, 2010, 65, 603-609.	3.8	60
39	Electro-oxidation of phenol over electrodeposited MnOx nanostructures and the role of a TiO2 nanotubes interlayer. Applied Catalysis B: Environmental, 2017, 203, 270-281.	20.2	60
40	Effect of active species mobility on soot-combustion over Cs-V catalysts. AICHE Journal, 2003, 49, 2173-2180.	3.6	59
41	The selection of pretreatment options for anaerobic digestion (AD): A case study in olive oil waste production. Chemical Engineering Journal, 2015, 259, 630-639.	12.7	59
42	Catalysis in Diesel engine NO_xaftertreatment: a review. Journal of Lithic Studies, 2015, 1, 155-173.	0.5	57
43	Study on the CO Oxidation over Ceria-Based Nanocatalysts. Nanoscale Research Letters, 2016, 11, 165.	5.7	57
44	Contact dynamics for a solidâ€“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
45	CNG engines exhaust gas treatment via Pd-Spinel-type-oxide catalysts. Catalysis Today, 2006, 117, 559-563.	4.4	54
46	Desulfurization processes for fuel cells systems. International Journal of Hydrogen Energy, 2008, 33, 3209-3214.	7.1	53
47	Low Temperature NH₃ Selective Catalytic Reduction of NO_x over Substituted MnCr₂O₄ Spinel-Oxide Catalysts. Industrial & Engineering Chemistry Research, 2011, 50, 6668-6672.	3.7	52
48	A short review of green extraction technologies for rice bran oil. Biomass Conversion and Biorefinery, 2021, 11, 569-587.	4.6	52
49	Mesoporous silica supported Rh catalysts for high concentration N2O decomposition. Applied Catalysis B: Environmental, 2015, 165, 158-168.	20.2	50
50	Life Cycle Assessment of waste disposal from olive oil production: Anaerobic digestion and conventional disposal on soil. Journal of Environmental Management, 2019, 237, 94-102.	7.8	49
51	Removal of NOx and diesel soot over catalytic traps based on spinel-type oxides. Powder Technology, 2008, 180, 74-78.	4.2	48
52	Promotion effect of Au on perovskite catalysts for the regeneration of diesel particulate filters. Catalysis Today, 2008, 137, 306-311.	4.4	48
53	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
54	Compositional and structural optimal design of a nanostructured diesel-soot combustion catalyst for a fast-regenerating trap. Chemical Engineering Science, 2004, 59, 4825-4831.	3.8	47

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55	Combined direct and indirect electroxidation of urea containing water. Journal of Applied Electrochemistry, 2008, 38, 915-922.	2.9	45
56	A novel ZnO-based adsorbent for biogas purification in H2 production systems. Chemical Engineering Journal, 2011, 176-177, 272-279.	12.7	45
57	Biogas purification for MCFC application. International Journal of Hydrogen Energy, 2011, 36, 8112-8118.	7.1	45
58	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
59	Ceriaâ€based nanomaterials as catalysts for CO oxidation and soot combustion: Effect of Zrâ€Pr doping and structural properties on the catalytic activity. AIChE Journal, 2017, 63, 216-225.	3.6	44
60	Direct liquefaction of ligno-cellulosic residues for liquid fuel production. Fuel, 2012, 94, 324-332.	6.4	43
61	Electrochemical oxidation of urea in aqueous solutions using a boron-doped thin-film diamond electrode. Diamond and Related Materials, 2014, 44, 109-116.	3.9	43
62	CO and Soot Oxidation over Ce-Zr-Pr Oxide Catalysts. Nanoscale Research Letters, 2016, 11, 278.	5.7	43
63	Detailed investigation of nonâ€catalytic DPF regeneration. Canadian Journal of Chemical Engineering, 2011, 89, 401-407.	1.7	42
64	Novel Mnâ€“Cu-Containing CeO2 Nanopolyhedra for the Oxidation of CO and Diesel Soot: Effect of Dopants on the Nanostructure and Catalytic Activity. Catalysis Letters, 2018, 148, 298-311.	2.6	42
65	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
66	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
67	Influence of the MgCo₂O₄ Preparation Method on N₂O Catalytic Decomposition. Industrial & Engineering Chemistry Research, 2011, 50, 2622-2627.	3.7	41
68	A multifunctional filter for the simultaneous removal of fly-ash and NOx from incinerator flue gases. Chemical Engineering Science, 2004, 59, 5329-5336.	3.8	40
69	Supported Pd-perovskite catalyst for CNG engines' exhaust gas treatment. Progress in Solid State Chemistry, 2007, 35, 501-511.	7.2	40
70	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
71	On the ASR and ASR thermal residues characterization of full scale treatment plant. Waste Management, 2014, 34, 448-457.	7.4	39
72	Development of modified KIT-6 and SBA-15-spherical supported Rh catalysts for N2O abatement: From powder to monolith supported catalysts. Chemical Engineering Journal, 2014, 238, 198-205.	12.7	38

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73	PM0.1 Emissions during Diesel Trap Regeneration. Environmental Science & Technology, 2006, 40, 5532-5537.	10.0	37
74	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
75	Scaled-up experimental biogas production from two agro-food waste mixtures having high inhibitory compound concentrations. Renewable Energy, 2015, 81, 71-77.	8.9	36
76	LiCoO2 catalyst for diesel particulate abatement. Catalysis Today, 2007, 119, 257-261.	4.4	35
77	Evaluation of anaerobic digestates from sewage sludge as a potential solution for improvement of soil fertility. Waste Management, 2019, 99, 122-134.	7.4	34
78	Deactivation and regeneration of Pt anodes for the electro-oxidation of phenol. Journal of Applied Electrochemistry, 2005, 35, 405-411.	2.9	33
79	Towards a single brick solution for the abatement of NOx and soot from diesel engine exhausts. Catalysis Today, 2008, 137, 300-305.	4.4	32
80	Nanostructured Ceria-Based Materials: Effect of the Hydrothermal Synthesis Conditions on the Structural Properties and Catalytic Activity. Catalysts, 2017, 7, 174.	3.5	32
81	Filtration and catalytic abatement of diesel particulate from stationary sources. Chemical Engineering Science, 2002, 57, 4955-4966.	3.8	30
82	Abatement of CH4 emitted by CNG vehicles using Pd-SBA-15 and Pd-KIT-6 catalysts. Fuel, 2015, 149, 2-7.	6.4	29
83	Diesel Particulate Filtration and Combustion in a Wall-Flow Trap Hosting a LiCrO2Catalyst. Industrial & Engineering Chemistry Research, 2005, 44, 9549-9555.	3.7	28
84	Supported gold catalysts for CO oxidation. Catalysis Today, 2006, 117, 214-219.	4.4	28
85	Mixing in digesters used to treat high viscosity substrates: The case of olive oil production wastes. Journal of Environmental Chemical Engineering, 2016, 4, 915-923.	6.7	28
86	Preparation and regeneration of a catalytic diesel particulate filter. Chemical Engineering Science, 2007, 62, 5182-5185.	3.8	27
87	Enhanced electrochemical oxidation of phenol over manganese oxides under mild wet air oxidation conditions. Electrochimica Acta, 2018, 273, 53-62.	5.2	27
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	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
90	Thermodynamic optimisation of the biofuel production based on mutualism. Energy Reports, 2020, 6, 1561-1571.	5.1	26

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91	Multifunctional catalyst based on BaO/Pt/CeO2 for NO2-assisted soot abatement and NOx storage. Fuel, 2015, 149, 78-84.	6.4	25
92	Heterogeneous mechanism of NOx-assisted soot oxidation in the passive regeneration of a bench-scale diesel particulate filter catalyzed with nanostructured equimolar ceria-praseodymia. Applied Catalysis A: General, 2019, 583, 117136.	4.3	25
93	Recovery of humic acids from anaerobic sewage sludge: Extraction, characterization and encapsulation in alginate beads. International Journal of Biological Macromolecules, 2020, 164, 277-285.	7.5	25
94	Towards practical application of lanthanum ferrite catalysts for NO reduction with H2. Chemical Engineering Journal, 2009, 154, 348-354.	12.7	24
95	Full scale treatment of ASR wastes in a modified rotary kiln. Waste Management, 2014, 34, 2347-2354.	7.4	23
96	Vitrification of municipal solid waste incineration fly ash: An approach to find the successful batch compositions. Ceramics International, 2021, 47, 7738-7744.	4.8	23
97	Zirconia supported Ruâ€“Co bimetallic catalysts for diesel soot oxidation. Topics in Catalysis, 2007, 42-43, 273-276.	2.8	22
98	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
99	Modified KIT-6 and SBA-15-spherical supported metal catalysts for N2O decomposition. Journal of Environmental Chemical Engineering, 2013, 1, 164-174.	6.7	21
100	Ceriumâ€“Copperâ€“Manganese Oxides Synthesized via Solution Combustion Synthesis (SCS) for Total Oxidation of VOCs. Catalysis Letters, 2020, 150, 1821-1840.	2.6	21
101	A thermoeconomic indicator for the sustainable development with social considerations. Environment, Development and Sustainability, 2022, 24, 2022-2036.	5.0	21
102	Multifunctional Filter for Treatment of the Flue Gases from Municipal Waste Incinerators. Industrial & Engineering Chemistry Research, 2005, 44, 9542-9548.	3.7	20
103	Enzymatic Hydrolysis of Lignocellulosic Biomasses via CFD and Experiments. Industrial & Engineering Chemistry Research, 2012, 51, 7518-7525.	3.7	20
104	Energy efficacy used to score organic refuse pretreatment processes for hydrogen anaerobic production. Waste Management, 2013, 33, 2225-2233.	7.4	20
105	Multistep anaerobic digestion (MAD) as a tool toÂincrease energy production via H2Â+ÂCH4. International Journal of Hydrogen Energy, 2015, 40, 5050-5061.	7.1	20
106	LCA of tungsten disulphide (WS2) nano-particles synthesis: state of art and from-cradle-to-gate LCA. Journal of Cleaner Production, 2016, 139, 1478-1484.	9.3	20
107	Appraisal of a De-NO_{<i>x</i>} System Based on H₂ for Light-Duty Diesel Engine Vehicles. Industrial & Engineering Chemistry Research, 2010, 49, 10323-10333.	3.7	19
108	Toward the scale-up of agro-food feed mixture for biogas production. Journal of Environmental Chemical Engineering, 2013, 1, 1223-1230.	6.7	19

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109	New insights on the defect sites evolution during CO oxidation over doped ceria nanocatalysts probed by in situ Raman spectroscopy. Applied Catalysis A: General, 2020, 596, 117517.	4.3	19
110	Zn2+ and Cd2+ removal from wastewater using clinoptilolite as adsorbent. Environmental Science and Pollution Research, 2021, 28, 24355-24361.	5.3	19
111	Electrokinetic remediation of soils contaminated with heavy metals. Journal of Applied Electrochemistry, 2008, 38, 1035-1041.	2.9	18
112	Power and Hydrogen Co-generation from Biogas. Energy & Fuels, 2010, 24, 4743-4747.	5.1	18
113	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
114	Cost optimization of the current density for electroxidation wastewater processes. Chemical Engineering Journal, 2010, 160, 497-502.	12.7	17
115	Nanostructured Equimolar Ceria-Praseodymia for Total Oxidations in Low-O2 Conditions. Catalysts, 2020, 10, 165.	3.5	17
116	New Tool for Experimental Analysis of Diesel Particulate Filter Loading. Topics in Catalysis, 2009, 52, 2083-2087.	2.8	16
117	Kinetic Study of Diesel Soot Combustion with Perovskite Catalysts. Industrial & Engineering Chemistry Research, 2012, 51, 7584-7589.	3.7	16
118	Synthesis and characterization of ordered mesoporous silicas for the immobilization of formate dehydrogenase (FDH). International Journal of Biological Macromolecules, 2021, 177, 261-270.	7.5	16
119	After-treatment of household wood-fired stove emissions: From catalyst formulation to full-scale system. Catalysis Today, 2012, 197, 76-89.	4.4	15
120	Hazard assessment of W and Mo sulphide nanomaterials for automotive use. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	15
121	Recovery of Energy from Orange Peels Through Anaerobic Digestion and Pyrolysis Processes after d-Limonene Extraction. Waste and Biomass Valorization, 2018, 9, 1331-1337.	3.4	15
122	Thermoeconomic analysis of Earth system in relation to sustainability: a thermodynamic analysis of weather changes due to anthropic activities. Journal of Thermal Analysis and Calorimetry, 2021, 145, 701-707.	3.6	14
123	Particle Number, Size and Mass Emissions of Different Biodiesel Blends Versus ULSD from a Small Displacement Automotive Diesel Engine. , 0, , .		13
124	Influence of Diesel Fuel Characteristics on Soot Oxidation Properties. Industrial & Engineering Chemistry Research, 2012, 51, 7559-7564.	3.7	13
125	Photocatalytic Abatement of Volatile Organic Compounds by TiO2 Nanoparticles Doped with Either Phosphorous or Zirconium. Materials, 2019, 12, 2121.	2.9	13
126	Secondary nanoparticle emissions during diesel particulate trap regeneration. Topics in Catalysis, 2007, 42-43, 253-257.	2.8	12

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127	Comparison of Different Diesel Particulate Filters. Topics in Catalysis, 2009, 52, 2076-2082.	2.8	12
128	Particle Number and Size Distribution from a Small Displacement Automotive Diesel Engine during DPF Regeneration. SAE International Journal of Fuels and Lubricants, 0, 3, 404-413.	0.2	12
129	Nanolubricants for diesel engines: Related emissions and compatibility with the after-treatment catalysts. Tribology International, 2014, 72, 198-207.	5.9	12
130	Diesel particulate traps regenerated by catalytic combustion. Korean Journal of Chemical Engineering, 2003, 20, 445-450.	2.7	11
131	Fate of Organic Nitrogen during Electrooxidation over Conductive Metal Oxide Anodes. Industrial & Engineering Chemistry Research, 2007, 46, 6783-6787.	3.7	11
132	Towards practical application of lanthanum chromite catalysts for diesel particulate combustion. Catalysis Today, 2006, 117, 369-375.	4.4	10
133	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
134	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
135	Role of ice structuring proteins on freezingâ€“thawing cycles of pasta sauces. Journal of Food Science and Technology, 2016, 53, 4216-4223.	2.8	10
136	Novel Mnâ€“Cu-Containing CeO2 Nanopolyhedra for the Oxidation of CO and Diesel Soot (PartÂII): Effect of Oxygen Concentration on the Catalytic Activity. Catalysis Letters, 2019, 149, 107-118.	2.6	10
137	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
138	Ceria-based catalytic coatings on biomorphic silicon carbide: A system for soot oxidation with enhanced properties. Chemical Engineering Journal, 2021, 415, 128959.	12.7	9
139	Catalytic Abatement of Volatile Organic Compounds and Soot over Manganese Oxide Catalysts. Materials, 2021, 14, 4534.	2.9	9
140	Csâ€“V Catalysts for the Combustion of Diesel Particulate. Topics in Catalysis, 2004, 30/31, 251-255.	2.8	8
141	Pd-Perovskite Catalysts for Methane Emissions Abatement: Study of Pd Substitution Effects. Topics in Catalysis, 2009, 52, 2001-2006.	2.8	8
142	DIESEL SOOT COMBUSTION WITH PEROVSKITE CATALYSTS. Chemical Engineering Communications, 2014, 201, 1327-1339.	2.6	8
143	Adsorption of Pb and Cd in rice husk and their immobilization in porous glassâ€ceramic structures. International Journal of Applied Ceramic Technology, 2020, 17, 105-112.	2.1	8
144	Biomethanation of Rice Straw: A Sustainable Perspective for the Valorisation of a Field Residue in the Energy Sector. Sustainability, 2022, 14, 5679.	3.2	8

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145	Bio-refractory organics degradation over semiconductor foam under a superimposed electric field. Catalysis Today, 2007, 124, 273-279.	4.4	7
146	New concept for soot removal from a syngas mixture. Journal of Power Sources, 2009, 193, 338-341.	7.8	7
147	A new concept for a self-cleaning household oven. Chemical Engineering Journal, 2011, 176-177, 253-259.	12.7	7
148	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
149	Evaluation of sustainable useful index (SUI) by fuzzy approach for energy producing processes. Chemical Engineering Research and Design, 2016, 107, 153-166.	5.6	7
150	Photo-catalytic coating of polystyrene for household cooling appliances with self cleaning surfaces. Journal of Applied Electrochemistry, 2009, 39, 2265-2273.	2.9	6
151	Structured catalytic reactor for soot abatement in a reducing atmosphere. Fuel Processing Technology, 2017, 167, 462-473.	7.2	6
152	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
153	Conventional and ultrasound-assisted extraction of rice bran oil with isopropanol as solvent. Sustainable Chemistry and Pharmacy, 2022, 29, 100741.	3.3	6
154	Characterization of Particulate Matter Emissions from a Common-Rail Diesel Engine. Industrial & Engineering Chemistry Research, 2011, 50, 3004-3010.	3.7	5
155	Carbon monoxide fermentation to bioplastic: the effect of substrate adaptation on Rhodospirillum rubrum. Biomass Conversion and Biorefinery, 2021, 11, 705-714.	4.6	5
156	Screening of Gas Substrate and Medium Effects on 2,3-Butanediol Production with C. ljungdahlii and C. autoethanogenum Aided by Improved Autotrophic Cultivation Technique. Fermentation, 2021, 7, 264.	3.0	5
157	Mobile and non-mobile catalysts for diesel-particulate combustion: A kinetic study. Korean Journal of Chemical Engineering, 2003, 20, 451-456.	2.7	4
158	Gas (Particulate) Filtration. , 2006, , 416-438.		4
159	Three-compartment electro-oxidation reactor for bio-refractory organics degradation. Chemical Engineering Science, 2007, 62, 5644-5647.	3.8	4
160	Catalytic wall-flow filters for the abatement of diesel particulate: regeneration parameters study. Topics in Catalysis, 2007, 45, 125-129.	2.8	4
161	Experimental tests on commercial Sweet Product Residue (SPR) as a suitable feed for anaerobic bioenergy (H2+ CH4) production. Waste Management, 2018, 71, 626-635.	7.4	4
162	Evaluation of automotive shredder residues (ASR) landfill behavior through lysimetric and traditional leaching tests. Environmental Science and Pollution Research, 2020, 27, 13360-13369.	5.3	4

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163	Cerium-Copper Oxides Synthesized in a Multi-Inlet Vortex Reactor as Effective Nanocatalysts for CO and Ethene Oxidation Reactions. Catalysts, 2022, 12, 364.	3.5	4
164	Covalent Immobilization of Aldehyde and Alcohol Dehydrogenases on Ordered Mesoporous Silicas. Waste and Biomass Valorization, 2022, 13, 4043-4055.	3.4	4
165	Electrochemical oxidation process for water condensates recycling in a shuttle orbiter. Journal of Applied Electrochemistry, 2009, 39, 2239-2249.	2.9	3
166	Mechanisms of interaction among enzymes and supports. , 2022, , 105-148.		3
167	Combined steady state and transient optimization for dynamic smoke reduction on Heavy Duty engine (TIER3 Applications). , 2007, , .		2
168	Nano-Sized Additive Synthesis for Lubricant Oils and Compatibility Tests with After-Treatment Catalysts. , 0, , .		2
169	Future Perspectives for Bio-Energy Production in the Province of Turin. Waste and Biomass Valorization, 2011, 2, 59-64.	3.4	2
170	Impact of Engine Operating Conditions on Particle Number and Size from a Small Displacement Automotive Diesel Engine. , 2012, , .		2
171	Electrochemical treatment of bilge wastewater. Desalination and Water Treatment, 0, , 1-7.	1.0	2
172	Novel Approches in Oxidative Catalysis for Diesel Particulate Abatement. Advances in Science and Technology, 2006, 45, 2083-2088.	0.2	1
173	Pollutants Emissions During Mild Catalytic DPF Regeneration In Light-Duty Vehicles. SAE International Journal of Fuels and Lubricants, 0, 2, 78-87.	0.2	1
174	NO and C Oxidation with Pt Recovered From Spent Catalytic Converters. Waste and Biomass Valorization, 2010, 1, 235-239.	3.4	1
175	Improved Soot Combustion in DPF Catalyzed by Ceria Nanofibers: The Importance of Soot-catalyst Contact. , 2013, , .		1
176	Catalytic Activity of Nanostructured Ceria-Based Materials Prepared by Different Synthesis Conditions. , 2017, , .		1
177	Advances in Cleaning Mobile Emissions: NO -Assisted Soot Oxidation in Light-Duty Diesel Engine Vehicle Application. Studies in Surface Science and Catalysis, 2019, , 329-352.	1.5	1
178	Catalytic Oxidation of Soot and Volatile Organic Compounds over Cu and Fe Doped Manganese Oxides Prepared via Sol-Gel Synthesis. , 0, , .		1
179	Catalytic Oxidation of Volatile Organic Compounds over Porous Manganese Oxides Prepared via Sol-Gel Method. , 2021, , 59-78.		1
180	Diesel particulate abatement via wall-flow traps based on perovskite catalysts. Annali Di Chimica, 2003, 93, 745-52.	0.6	1

#	Article	IF	Citations
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