

Eleonora Aneggi

List of Publications by Year in descending order

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docs citations

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times ranked

3174
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-Dependent Activity of Ceria in Soot Combustion. ACS Catalysis, 2014, 4, 172-181.	5.5	377
2	Insights into the redox properties of ceria-based oxides and their implications in catalysis. Journal of Alloys and Compounds, 2006, 408-412, 1096-1102.	2.8	364
3	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.	2.2	295
4	Surface-structure sensitivity of CO oxidation over polycrystalline ceria powders. Journal of Catalysis, 2005, 234, 88-95.	3.1	252
5	Soot combustion over silver-supported catalysts. Applied Catalysis B: Environmental, 2009, 91, 489-498.	10.8	161
6	BMP tests of source selected OFMSW to evaluate anaerobic codigestion with sewage sludge. Waste Management, 2013, 33, 1626-1632.	3.7	161
7	On the role of lattice/surface oxygen in ceria-zirconia catalysts for diesel soot combustion. Catalysis Today, 2012, 181, 108-115.	2.2	158
8	Catalytic activity of metals in heterogeneous Fenton-like oxidation of wastewater contaminants: a review. Environmental Chemistry Letters, 2021, 19, 2405-2424.	8.3	128
9	Diesel soot combustion activity of ceria promoted with alkali metals. Catalysis Today, 2008, 136, 3-10.	2.2	120
10	Higher activity of Diesel soot oxidation over polycrystalline ceria and ceria-zirconia solid solutions from more reactive surface planes. Catalysis Today, 2012, 197, 119-126.	2.2	76
11	Ambient Pressure Photoemission Spectroscopy Reveals the Mechanism of Carbon Soot Oxidation in Ceria-Based Catalysts. ChemCatChem, 2016, 8, 2748-2751.	1.8	54
12	Fast firing of tiles containing paper mill sludge, glass cullet and clay. Waste Management, 2009, 29, 2880-2885.	3.7	50
13	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.	7.2	49
14	Synthesis and characterization of geopolymers containing blends of unprocessed steel slag and metakaolin: The role of slag particle size. Ceramics International, 2018, 44, 5226-5232.	2.3	48
15	Sintering and characterisation of ceramics containing paper sludge, glass cullet and different types of clayey materials. Ceramics International, 2011, 37, 1293-1299.	2.3	45
16	The formation of nanodomains of Ce ₆ O ₁₁ in ceria catalyzed soot combustion. Journal of Catalysis, 2014, 312, 191-194.	3.1	45
17	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.	2.2	41
18	Synergic effect of Cu/Ce _{0.5} Pr _{0.5} O _{2-δ} and Ce _{0.5} Pr _{0.5} O _{2-δ} in soot combustion. Applied Catalysis B: Environmental, 2016, 197, 95-104.	10.8	40

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19	Ceria-Based Materials in Catalysis. <i>Fundamental Theories of Physics</i> , 2016, 50, 209-242.	0.1	37
20	Enhanced ibuprofen removal by heterogeneous-Fenton process over Cu/ZrO ₂ and Fe/ZrO ₂ catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103586.	3.3	35
21	Efficient fluoride adsorption by mesoporous hierarchical alumina microspheres. <i>RSC Advances</i> , 2016, 6, 42288-42296.	1.7	33
22	Silver-based catalytic materials for the simultaneous removal of soot and NO. <i>Catalysis Today</i> , 2015, 258, 405-415.	2.2	31
23	Degradation of phenol in wastewaters via heterogeneous Fenton-like Ag/CeO ₂ catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1159-1165.	3.3	30
24	High energy ball milling of titania and titania-ceria powder mixtures. <i>Powder Technology</i> , 2014, 254, 591-596.	2.1	28
25	Promotion effect of surface Lanthanum in soot oxidation over ceria-based catalysts. <i>Topics in Catalysis</i> , 2007, 42-43, 319-322.	1.3	22
26	Salt-assisted thermal desorption of mercury from contaminated dredging sludge. <i>Journal of Hazardous Materials</i> , 2011, 193, 177-182.	6.5	21
27	Simultaneous removal of soot and NO over K- and Ba-doped ruthenium supported catalysts. <i>Catalysis Today</i> , 2016, 267, 119-129.	2.2	21
28	<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.	2.2	21
29	Bench-scale tests on ultrasound-assisted acid washing and thermal desorption of mercury from dredging sludge and other solid matrices. <i>Journal of Hazardous Materials</i> , 2009, 171, 647-653.	6.5	19
30	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.	1.4	19
31	Preparation and characterization of sintered ceramics made with spent foundry olivine sand and clay. <i>Ceramics International</i> , 2012, 38, 2619-2625.	2.3	18
32	Combined ultrasound-ozone treatment for reutilization of primary effluent—a preliminary study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 700-710.	2.7	17
33	MONITORING OF HEAVY METALS, EOX AND LAS IN SEWAGE SLUDGE FOR AGRICULTURAL USE: A CASE STUDY. <i>Detritus</i> , 2020, , 160-168.	0.4	15
34	The Effect of Sr Addition in Cu- and Fe-Modified CeO ₂ and ZrO ₂ Soot Combustion Catalysts. <i>Catalysts</i> , 2017, 7, 28.	1.6	14
35	Degradation of PTFE non-stick coatings for application in the food service industry. <i>Engineering Failure Analysis</i> , 2020, 115, 104652.	1.8	14
36	Removal of Organics from Landfill Leachate by Heterogeneous Fenton-like Oxidation over Copper-Based Catalyst. <i>Catalysts</i> , 2022, 12, 338.	1.6	14

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37	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
38	Possible use of waste olivine powders from a foundry process into the ceramic industry: Sintering behaviour of olivine, kaolin and their blends. <i>Ceramics International</i> , 2013, 39, 1257-1263.	2.3	13
39	Potential of Ceria-Zirconia-Based Materials in Carbon Soot Oxidation for Gasoline Particulate Filters. <i>Catalysts</i> , 2020, 10, 768.	1.6	13
40	(Eco)toxicological maps: A new risk assessment method integrating traditional and in silico tools and its application in the Ledra River (Italy). <i>Environment International</i> , 2018, 119, 275-286.	4.8	11
41	Catalytic applications of cerium dioxide. , 2020, , 45-108.		11
42	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-δ} Ce _{0.85} Gd _{0.15} O _{2-δ} Composite. <i>ACS Applied Energy Materials</i> , 2020, 3, 9877-9888.		10
43	Plastic electrode decorated with polyhedral anion tetrabutylammonium octamolybdate [N(C ₄ H ₉) ₄] ₄ Mo ₈ O ₂₆ for nM phosphate electrochemical detection. <i>Analytica Chimica Acta</i> , 2021, 1161, 338469.	2.6	10
44	CERIA-BASED FORMULATIONS FOR CATALYSTS FOR DIESEL SOOT COMBUSTION. <i>Catalytic Science Series</i> , 2013, , 565-621.	0.6	9
45	Influence of erbia or europia doping on crystal structure and microstructure of ceria-zirconia (CZ) solid solutions. <i>Ceramics International</i> , 2008, 34, 1327-1333.	2.3	8
46	Effects of milling on co-precipitated 3Y-PSZ powders. <i>Journal of the European Ceramic Society</i> , 2009, 29, 1641-1645.	2.8	8
47	Simultaneous Removal of Soot and NO _x Over Silver and Ruthenium-Based Catalysts. <i>Topics in Catalysis</i> , 2017, 60, 209-213.	1.3	8
48	Steel Scale Waste as a Heterogeneous Fenton-like Catalyst for the Treatment of Landfill Leachate. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11715-11724.	1.8	8
49	Heterogeneous Fenton-like oxidation of ibuprofen over zirconia-supported iron and copper catalysts: effect of process variables. <i>Journal of Water Process Engineering</i> , 2021, 44, 102343.	2.6	7
50	Sintering Behaviour of Waste Olivine and Olivine/Alumina Blends. <i>Materials</i> , 2014, 7, 4773-4788.	1.3	6
51	Sintering behaviour of olivine-ceria blends. <i>Ceramics International</i> , 2015, 41, 6293-6298.	2.3	6
52	Production and Compression Strength of Mortars Containing Unprocessed Waste Powdered Steel Slag. <i>Sustainability</i> , 2017, 9, 2372.	1.6	6
53	Possible Recycling of End-of-Life Dolomite Refractories by the Production of Geopolymer-Based Composites: Experimental Investigation. <i>Journal of Sustainable Metallurgy</i> , 2021, 7, 908-919.	1.1	6
54	Bimetallic Cu/Fe Catalysts for Ibuprofen Mineralization. <i>Catalysts</i> , 2021, 11, 1383.	1.6	5

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55	Influence of Nanoscale Surface Arrangements on the Oxygen Transfer Ability of Ceria-Zirconia Mixed Oxide. <i>Inorganics</i> , 2020, 8, 34.	1.2	4
56	Ambient Pressure Photoemission Spectroscopy Reveals the Mechanism of Carbon Soot Oxidation in Ceria-Based Catalysts. <i>ChemCatChem</i> , 2016, 8, 2735-2735.	1.8	3
57	Sintering Behaviour of Ceramics Containing Paper Sludge, Glass Cullet and Different Types of Clayey Materials. <i>Advances in Science and Technology</i> , 2010, 68, 120-125.	0.2	2
58	Ionic exchange desorption of mercury from contaminated dredging sludge (at 393K and ambient) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	1.1	1
59	Production of 3Y-PSZ Powders by Co-Precipitation and Milling. <i>Advances in Science and Technology</i> , 0, , .	0.2	0