

# Eleonora Aneggi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7363509/publications.pdf>

Version: 2024-02-01

59  
papers

3,053  
citations

257101

24  
h-index

155451

55  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3174  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of Organics from Landfill Leachate by Heterogeneous Fenton-like Oxidation over Copper-Based Catalyst. <i>Catalysts</i> , 2022, 12, 338.	1.6	14
2	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
3	Catalytic activity of metals in heterogeneous Fenton-like oxidation of wastewater contaminants: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2405-2424.	8.3	128
4	Plastic electrode decorated with polyhedral anion tetrabutylammonium octamolybdate $[N(C_4H_9)_4]_4Mo_8O_{26}$ for nM phosphate electrochemical detection. <i>Analytica Chimica Acta</i> , 2021, 1161, 338469.	2.6	10
5	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
6	Steel Scale Waste as a Heterogeneous Fenton-like Catalyst for the Treatment of Landfill Leachate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 11715-11724.	1.8	8
7	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
8	Bimetallic Cu/Fe Catalysts for Ibuprofen Mineralization. <i>Catalysts</i> , 2021, 11, 1383.	1.6	5
9	Catalytic applications of cerium dioxide. , 2020, , 45-108.		11
10	Enhanced ibuprofen removal by heterogeneous-Fenton process over Cu/ZrO <sub>2</sub> and Fe/ZrO <sub>2</sub> catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103586.	3.3	35
11	Potential of Ceria-Zirconia-Based Materials in Carbon Soot Oxidation for Gasoline Particulate Filters. <i>Catalysts</i> , 2020, 10, 768.	1.6	13
12	Insights on the Interfacial Processes Involved in the Mechanical and Redox Stability of the BaCe <sub>0.65</sub> Zr <sub>0.2</sub> OY <sub>0.15</sub> O <sub>3</sub> —Ce <sub>0.85</sub> Gd <sub>0.15</sub> O <sub>2</sub> Composite. <i>ACS Applied Energy Materials</i> , 2020, 3, 9877-9888.		2
13	Degradation of PTFE non-stick coatings for application in the food service industry. <i>Engineering Failure Analysis</i> , 2020, 115, 104652.	1.8	14
14	Influence of Nanoscale Surface Arrangements on the Oxygen Transfer Ability of Ceria—Zirconia Mixed Oxide. <i>Inorganics</i> , 2020, 8, 34.	1.2	4
15	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
16	<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
17	Ionic exchange desorption of mercury from contaminated dredging sludge (at 393K and ambient) Tj ETQq1 1 0.784314 rgBT <sub>1</sub> /Overlo	1.1	1
18	Synthesis and characterization of geopolymers containing blends of unprocessed steel slag and metakaolin: The role of slag particle size. <i>Ceramics International</i> , 2018, 44, 5226-5232.	2.3	48

#	ARTICLE	IF	CITATIONS
19	(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
20	Simultaneous Removal of Soot and NO <sub>x</sub> Over Silver and Ruthenium-Based Catalysts. <i>Topics in Catalysis</i> , 2017, 60, 209-213.	1.3	8
21	Degradation of phenol in wastewaters via heterogeneous Fenton-like Ag/CeO <sub>2</sub> catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1159-1165.	3.3	30
22	Production and Compression Strength of Mortars Containing Unprocessed Waste Powdered Steel Slag. <i>Sustainability</i> , 2017, 9, 2372.	1.6	6
23	The Effect of Sr Addition in Cu- and Fe-Modified CeO <sub>2</sub> and ZrO <sub>2</sub> Soot Combustion Catalysts. <i>Catalysts</i> , 2017, 7, 28.	1.6	14
24	Efficient fluoride adsorption by mesoporous hierarchical alumina microspheres. <i>RSC Advances</i> , 2016, 6, 42288-42296.	1.7	33
25	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
26	Ceria-Based Materials in Catalysis. <i>Fundamental Theories of Physics</i> , 2016, 50, 209-242.	0.1	37
27	Ambient Pressure Photoemission Spectroscopy Reveals the Mechanism of Carbon Soot Oxidation in Ceria-Based Catalysts. <i>ChemCatChem</i> , 2016, 8, 2748-2751.	1.8	54
28	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
29	Synergic effect of Cu/Ce <sub>0.5</sub> Pr <sub>0.5</sub> O <sub>2-<math>\delta</math></sub> and Ce <sub>0.5</sub> Pr <sub>0.5</sub> O <sub>2-<math>\delta</math></sub> in soot combustion. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 95-104.	10.8	40
30	Silver-based catalytic materials for the simultaneous removal of soot and NO. <i>Catalysis Today</i> , 2015, 258, 405-415.	2.2	31
31	Ceria-Zirconia Particles Wrapped in a 2D Carbon Envelope: Improved Low-Temperature Oxygen Transfer and Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14040-14043.	7.2	49
32	Sintering behaviour of olivine-ceria blends. <i>Ceramics International</i> , 2015, 41, 6293-6298.	2.3	6
33	Sintering Behaviour of Waste Olivine and Olivine/Alumina Blends. <i>Materials</i> , 2014, 7, 4773-4788.	1.3	6
34	High energy ball milling of titania and titania-ceria powder mixtures. <i>Powder Technology</i> , 2014, 254, 591-596.	2.1	28
35	The formation of nanodomains of Ce <sub>6</sub> O <sub>11</sub> in ceria catalyzed soot combustion. <i>Journal of Catalysis</i> , 2014, 312, 191-194.	3.1	45
36	Shape-Dependent Activity of Ceria in Soot Combustion. <i>ACS Catalysis</i> , 2014, 4, 172-181.	5.5	377

#	ARTICLE	IF	CITATIONS
37	CERIA-BASED FORMULATIONS FOR CATALYSTS FOR DIESEL SOOT COMBUSTION. Catalytic Science Series, 2013, , 565-621.	0.6	9
38	Possible use of waste olivine powders from a foundry process into the ceramic industry: Sintering behaviour of olivine, kaolin and their blends. Ceramics International, 2013, 39, 1257-1263.	2.3	13
39	BMP tests of source selected OFMSW to evaluate anaerobic codigestion with sewage sludge. Waste Management, 2013, 33, 1626-1632.	3.7	161
40	Potential of Ceria-Based Catalysts for the Oxidation of Landfill Leachate by Heterogeneous Fenton Process. International Journal of Photoenergy, 2012, 2012, 1-8.	1.4	19
41	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
42	On the role of lattice/surface oxygen in ceria-zirconia catalysts for diesel soot combustion. Catalysis Today, 2012, 181, 108-115.	2.2	158
43	Preparation and characterization of sintered ceramics made with spent foundry olivine sand and clay. Ceramics International, 2012, 38, 2619-2625.	2.3	18
44	Salt-assisted thermal desorption of mercury from contaminated dredging sludge. Journal of Hazardous Materials, 2011, 193, 177-182.	6.5	21
45	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
46	Sintering Behaviour of Ceramics Containing Paper Sludge, Glass Cullet and Different Types of Clayey Materials. Advances in Science and Technology, 2010, 68, 120-125.	0.2	2
47	Development of a modified co-precipitation route for thermally resistant, high surface area ceria-zirconia based solid solutions. Studies in Surface Science and Catalysis, 2010, , 835-838.	1.5	13
48	Bench-scale tests on ultrasound-assisted acid washing and thermal desorption of mercury from dredging sludge and other solid matrices. Journal of Hazardous Materials, 2009, 171, 647-653.	6.5	19
49	Fast firing of tiles containing paper mill sludge, glass cullet and clay. Waste Management, 2009, 29, 2880-2885.	3.7	50
50	Effects of milling on co-precipitated 3Y-PSZ powders. Journal of the European Ceramic Society, 2009, 29, 1641-1645.	2.8	8
51	Soot combustion over silver-supported catalysts. Applied Catalysis B: Environmental, 2009, 91, 489-498.	10.8	161
52	Diesel soot combustion activity of ceria promoted with alkali metals. Catalysis Today, 2008, 136, 3-10.	2.2	120
53	Influence of erbia or europia doping on crystal structure and microstructure of ceria-zirconia (CZ) solid solutions. Ceramics International, 2008, 34, 1327-1333.	2.3	8
54	Promotion effect of surface Lanthanum in soot oxidation over ceria-based catalysts. Topics in Catalysis, 2007, 42-43, 319-322.	1.3	22

#	ARTICLE	IF	CITATIONS
55	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
56	Insights into the dynamics of oxygen storage/release phenomena in model ceria-zirconia catalysts as inferred from transient studies using H <sub>2</sub> , CO and soot as reductants. Catalysis Today, 2006, 112, 94-98.	2.2	41
57	Promotional effect of rare earths and transition metals in the combustion of diesel soot over CeO <sub>2</sub> and CeO <sub>2</sub> -ZrO <sub>2</sub> . Catalysis Today, 2006, 114, 40-47.	2.2	295
58	Surface-structure sensitivity of CO oxidation over polycrystalline ceria powders. Journal of Catalysis, 2005, 234, 88-95.	3.1	252
59	Production of 3Y-PSZ Powders by Co-Precipitation and Milling. Advances in Science and Technology, 0, , .	0.2	0