

# Claudia Belviso

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,471  
citations

331670

21  
h-index

315739

38  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1333  
citing authors

#	ARTICLE	IF	CITATIONS
1	State-of-the-art applications of fly ash from coal and biomass: A focus on zeolite synthesis processes and issues. <i>Progress in Energy and Combustion Science</i> , 2018, 65, 109-135.	31.2	258
2	Effects of ultrasonic treatment on zeolite synthesized from coal fly ash. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 661-668.	8.2	96
3	Porous adsorbents derived from coal fly ash as cost-effective and environmentally-friendly sources of aluminosilicate for sequestration of aqueous and gaseous pollutants: A review. <i>Journal of Cleaner Production</i> , 2019, 208, 1131-1147.	9.3	92
4	Synthesis of zeolite from Italian coal fly ash: Differences in crystallization temperature using seawater instead of distilled water. <i>Waste Management</i> , 2010, 30, 839-847.	7.4	88
5	A and X-type zeolites synthesised from kaolinite at low temperature. <i>Applied Clay Science</i> , 2013, 80-81, 162-168.	5.2	80
6	Synthesis of magnetic zeolite at low temperature using a waste material mixture: Fly ash and red mud. <i>Microporous and Mesoporous Materials</i> , 2015, 202, 208-216.	4.4	75
7	Red mud as aluminium source for the synthesis of magnetic zeolite. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 24-29.	4.4	63
8	Zeolite for Potential Toxic Metal Uptake from Contaminated Soil: A Brief Review. <i>Processes</i> , 2020, 8, 820.	2.8	58
9	The crystallisation of zeolite (X- and A-type) from fly ash at 25°C in artificial sea water. <i>Microporous and Mesoporous Materials</i> , 2012, 162, 115-121.	4.4	57
10	Synthesis of zeolites at low temperatures in fly ash-kaolinite mixtures. <i>Microporous and Mesoporous Materials</i> , 2015, 212, 35-47.	4.4	52
11	Ultrasonic waves induce rapid zeolite synthesis in a seawater solution. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 32-36.	8.2	50
12	Sodalite, faujasite and A-type zeolite from 2:1 dioctahedral and 2:1:1 trioctahedral clay minerals. A singular review of synthesis methods through laboratory trials at a low incubation temperature. <i>Powder Technology</i> , 2017, 320, 483-497.	4.2	48
13	Mobility of trace elements in fly ash and in zeolitized coal fly ash. <i>Fuel</i> , 2015, 144, 369-379.	6.4	44
14	Ultrasonic vs hydrothermal method: Different approaches to convert fly ash into zeolite. How they affect the stability of synthetic products over time?. <i>Ultrasonics Sonochemistry</i> , 2018, 43, 9-14.	8.2	44
15	Removal of Mn from aqueous solution using fly ash and its hydrothermal synthetic zeolite. <i>Journal of Environmental Management</i> , 2014, 137, 16-22.	7.8	43
16	Immobilization of Ni by synthesising zeolite at low temperatures in a polluted soil. <i>Chemosphere</i> , 2010, 78, 1172-1176.	8.2	28
17	Fly ash as raw material for the synthesis of zeolite-encapsulated porphyrazine and metallo porphyrazine tetrapyrrolic macrocycles. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 228-234.	4.4	27
18	Synthesis of zeolite from volcanic ash: Characterization and application for cesium removal. <i>Microporous and Mesoporous Materials</i> , 2021, 319, 111045.	4.4	26

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19	Immobilization of Zn and Pb in Polluted Soil by In Situ Crystallization Zeolites from Fly Ash. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5357-5364.	2.4	25
20	EMT-type zeolite synthesized from obsidian. <i>Microporous and Mesoporous Materials</i> , 2016, 226, 325-330.	4.4	24
21	Effect of red mud added to zeolite LTA synthesis: Where is Fe in the newly-formed material?. <i>Microporous and Mesoporous Materials</i> , 2020, 298, 110058.	4.4	24
22	Synthesis of composite zeolite-layered double hydroxides using ultrasonic neutralized red mud. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110108.	4.4	22
23	Higher conversion rate of phenol alkylation with diethylcarbonate by using synthetic fly ash-based zeolites. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 434-442.	4.4	20
24	Contrasting fault fluids along high-angle faults: a case study from Southern Apennines (Italy). <i>Tectonophysics</i> , 2016, 690, 206-218.	2.2	19
25	Influence of Synthesis Method on LTA Time-Dependent Stability. <i>Molecules</i> , 2018, 23, 2122.	3.8	14
26	Removal of ammonium from wastewater by zeolite synthesized from volcanic ash: Batch and column tests. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107539.	6.7	14
27	Zeolite from Fly Ash: An Investigation on Metastable Behavior of the Newly Formed Minerals in a Medium-High-Temperature Range. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20472-20480.	3.7	13
28	Impact of Zeolite from Coal Fly Ash on Soil Hydrophysical Properties and Plant Growth. <i>Agriculture (Switzerland)</i> , 2022, 12, 356.	3.1	12
29	Femtosecond laser surface texturing of polypropylene copolymer for automotive paint applications. <i>Surface and Coatings Technology</i> , 2021, 406, 126727.	4.8	11
30	Determining the role of the method used to recycle polypropylene waste materials from automotive industry using sepiolite and zeolite fillers. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 965-975.	3.0	11
31	Evaluation for the Removal Efficiency of VOCs and Heavy Metals by Zeolites-Based Materials in the Wastewater: A Case Study in the Tito Scalo Industrial Area. <i>Processes</i> , 2020, 8, 1519.	2.8	8
32	Efficiency in Ofloxacin Antibiotic Water Remediation by Magnetic Zeolites Formed Combining Pure Sources and Wastes. <i>Processes</i> , 2021, 9, 2137.	2.8	7
33	Grain-Size Control on the Rare Earth Elements Distribution in the Late Diagenesis of Cretaceous Shales from the Southern Apennines (Italy). <i>Journal of Chemistry</i> , 2014, 2014, 1-11.	1.9	5
34	Provenance and Sedimentary Context of Clay Mineralogy in an Evolving Forearc Basin, Upper Cretaceous-Paleogene and Eocene Mudstones, San Joaquin Valley, California. <i>Minerals (Basel)</i> , 2021, 11, 1075.	0.7	2
35	Obsidian as a Raw Material for Eco-Friendly Synthesis of Magnetic Zeolites. <i>Materials</i> , 2020, 13, 4633.	2.9	3
36	Structural and Mineralogical Characterization of a Fossil Hydrothermal System Located at the Outermost Front of the Southern Apennines Fold-and-Thrust Belt. <i>Geofluids</i> , 2019, 2019, 1-14.	0.7	2

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37	Siliceous Fly Ash Utilization Conditions for Zeolite Synthesis. , 0, , .		2
38	Effect of H2O Activity on Zeolite Formation. Materials, 2020, 13, 4780.	2.9	1
39	Effects of fs pulsed laser ablation on synthetic zeolite targets. Applied Surface Science, 2022, 580, 152308.	6.1	1
40	Special Issue "Sustainable Remediation Processes Based on Zeolites" Processes, 2021, 9, 2153.	2.8	0