

Celia Arenas

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

530
citations

687363

13
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

486
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of co-combustion bottom ash to design an acoustic absorbing material for highway noise barriers. <i>Waste Management</i> , 2013, 33, 2316-2321.	7.4	69
2	Development of a fly ash-based geopolymeric concrete with construction and demolition wastes as aggregates in acoustic barriers. <i>Construction and Building Materials</i> , 2017, 134, 433-442.	7.2	69
3	Potential utilization of FGD gypsum and fly ash from a Chinese power plant for manufacturing fire-resistant panels. <i>Construction and Building Materials</i> , 2015, 95, 910-921.	7.2	64
4	Characteristics of fired bricks with co-combustion fly ashes. <i>Journal of Building Engineering</i> , 2016, 5, 114-118.	3.4	56
5	Technical specifications for highway noise barriers made of coal bottom ash-based sound absorbing concrete. <i>Construction and Building Materials</i> , 2015, 95, 585-591.	7.2	52
6	A porous geopolymer based on aluminum-waste with acoustic properties. <i>Waste Management</i> , 2019, 95, 504-512.	7.4	44
7	Substitution of Coarse Aggregates with Mollusk-Shell Waste in Acoustic-Absorbing Concrete. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, 04019077.	2.9	27
8	Approaching a methodology for the development of a multilayer sound absorbing device recycling coal bottom ash. <i>Applied Acoustics</i> , 2017, 115, 81-87.	3.3	21
9	Development of fly ash boards with thermal, acoustic and fire insulation properties. <i>Waste Management</i> , 2015, 46, 298-303.	7.4	20
10	Recycling ceramic industry wastes in sound absorbing materials. <i>Materiales De Construccion</i> , 2016, 66, 106.	0.7	20
11	A mechanical, leaching and radiological assessment of fired bricks with a high content of fly ash. <i>Ceramics International</i> , 2018, 44, 13313-13319.	4.8	19
12	Porous Structure by X-Ray Computed Tomography and Sound Absorption in Pervious Concretes with Air Cooled Blast Furnace Slag as Coarse Aggregate. <i>Acoustics Australia</i> , 2019, 47, 271-276.	2.4	14
13	Behaviour of Fly Ash-Based Geopolymer Panels Under Fire. <i>Waste and Biomass Valorization</i> , 2017, 8, 2485-2494.	3.4	13
14	Radiological, Leaching, and Mechanical Properties of Cocombustion Fly Ash in Cements. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2017, 21, 04017011.	2.0	8
15	Assessing durability properties of noise barriers made of concrete incorporating bottom ash as aggregates. <i>European Journal of Environmental and Civil Engineering</i> , 2019, 23, 1485-1496.	2.1	8
16	Development of a paste for passive fire protection mainly composed of granulated blast furnace slag. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13382.	2.3	8
17	Sound absorbing porous concretes composed of different solid wastes. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 3805-3817.	2.1	8
18	Fire-resistant panels composed only of combustion by-products. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2018, 171, 36-44.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Experimental study of a noise reducing barrier made of fly ash. <i>Materiales De Construccion</i> , 2021, 71, e239.	0.7	4
20	Utilization of Boiler Slag from Pulverized-Coal-Combustion Power Plants in China for Manufacturing Acoustic Materials. <i>Energies</i> , 2020, 13, 5705.	3.1	1