

# Dolores Eliche-Quesada

## List of Publications by Citations

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77  
papers

1,602  
citations

21  
h-index

38  
g-index

94  
ext. papers

1,952  
ext. citations

4.9  
avg, IF

4.98  
L-index

#	Paper	IF	Citations
77	The use of different forms of waste in the manufacture of ceramic bricks. <i>Applied Clay Science</i> , <b>2011</b> , 52, 270-276	5.2	135
76	Recycling of sawdust, spent earth from oil filtration, compost and marble residues for brick manufacturing. <i>Construction and Building Materials</i> , <b>2012</b> , 34, 275-284	6.7	117
75	Use of bottom ash from olive pomace combustion in the production of eco-friendly fired clay bricks. <i>Waste Management</i> , <b>2016</b> , 48, 323-333	8.6	99
74	Nickel and cobalt promoted tungsten and molybdenum sulfide mesoporous catalysts for hydrodesulfurization. <i>Fuel</i> , <b>2008</b> , 87, 1195-1206	7.1	92
73	Characterization and evaluation of rice husk ash and wood ash in sustainable clay matrix bricks. <i>Ceramics International</i> , <b>2017</b> , 43, 463-475	5.1	79
72	Sludge valorization from wastewater treatment plant to its application on the ceramic industry. <i>Journal of Environmental Management</i> , <b>2012</b> , 95 Suppl, S343-8	7.9	69
71	Valorization and inertization of galvanic sludge waste in clay bricks. <i>Applied Clay Science</i> , <b>2015</b> , 105-106, 89-99	5.2	62
70	Assessment of olive mill solid residue (pomace) as an additive in lightweight brick production. <i>Construction and Building Materials</i> , <b>2012</b> , 36, 495-500	6.7	60
69	Recycling of ash from biomass incinerator in clay matrix to produce ceramic bricks. <i>Journal of Environmental Management</i> , <b>2012</b> , 95 Suppl, S349-54	7.9	58
68	Valorization of biodiesel production residues in making porous clay brick. <i>Fuel Processing Technology</i> , <b>2012</b> , 103, 166-173	7.2	58
67	Investigation of use of coal fly ash in eco-friendly construction materials: fired clay bricks and silica-calcareous non fired bricks. <i>Ceramics International</i> , <b>2018</b> , 44, 4400-4412	5.1	55
66	Hydrogenation and Ring Opening of Tetralin on Supported Nickel Zirconium-Doped Mesoporous Silica Catalysts. Influence of the Nickel Precursor. <i>Langmuir</i> , <b>2003</b> , 19, 4985-4991	4	52
65	The use of solid residues derived from different industrial activities to obtain calcium silicates for use as insulating construction materials. <i>Ceramics International</i> , <b>2011</b> , 37, 3019-3028	5.1	39
64	Ru, Os and RuOs supported on mesoporous silica doped with zirconium as mild thio-tolerant catalysts in the hydrogenation and hydrogenolysis/hydrocracking of tetralin. <i>Applied Catalysis A: General</i> , <b>2005</b> , 279, 209-221	5.1	37
63	Incorporation of coffee grounds into clay brick production. <i>Advances in Applied Ceramics</i> , <b>2011</b> , 110, 225-232	2.32	34
62	Utilisation of spent filtration earth or spent bleaching earth from the oil refinery industry in clay products. <i>Ceramics International</i> , <b>2014</b> , 40, 16677-16687	5.1	30
61	Synthesis and characterisation of acid mesoporous phosphate heterostructure (PPH) materials. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 3466		30

60	Effects of preparation method and sulfur poisoning on the hydrogenation and ring opening of tetralin on NiW/zirconium-doped mesoporous silica catalysts. <i>Journal of Catalysis</i> , <b>2003</b> , 220, 457-467	7.3	25
59	Effect of sludge from oil refining industry or sludge from pomace oil extraction industry addition to clay ceramics. <i>Applied Clay Science</i> , <b>2015</b> , 114, 202-211	5.2	24
58	Investigation of using bottom or fly pine-olive pruning ash to produce environmental friendly ceramic materials. <i>Applied Clay Science</i> , <b>2017</b> , 135, 333-346	5.2	23
57	Evaluation of Cu-PPHs as active catalysts for the SCR process to control NOx emissions from heavy duty diesel vehicles. <i>Chemosphere</i> , <b>2008</b> , 72, 608-15	8.4	22
56	Catalysts based on Ru/mesoporous phosphate heterostructures (PPH) for hydrotreating of aromatic hydrocarbons. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 255, 41-48		21
55	The effect of vitreous phase on mullite and mullite-based ceramic composites from kaolin wastes as by-products of mining, sericite clays and kaolinite. <i>Materials Letters</i> , <b>2018</b> , 223, 154-158	3.3	20
54	Influence of the incorporation of palladium on Ru/MCM hydrotreating catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2006</b> , 65, 118-126	21.8	19
53	Sustainable Production of Carbon Nanoparticles from Olive Pit Biomass: Understanding Proton Transfer in the Excited State on Carbon Dots. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 10493-10500 <sup>16</sup>	8.2	18
52	Ceramics from clays and by-product from biodiesel production: Processing, properties and microstructural characterization. <i>Applied Clay Science</i> , <b>2016</b> , 121-122, 119-126	5.2	16
51	Superficial characterization and hydroconversion of tetralin over NiW sulfide catalysts supported on zirconium doped mesoporous silica. <i>Applied Catalysis A: General</i> , <b>2004</b> , 262, 111-120	5.1	16
50	Comparative study of the use of different biomass from olive grove in the manufacture of sustainable ceramic lightweight bricks. <i>Construction and Building Materials</i> , <b>2020</b> , 231, 117103	6.7	16
49	Synthesis of vaterite CaCO <sub>3</sub> as submicron and nanosized particles using inorganic precursors and sucrose in aqueous medium. <i>Ceramics International</i> , <b>2018</b> , 44, 5291-5296	5.1	15
48	Influence of the metallic precursor in the hydrogenation of tetralin over Pd/Pt supported zirconium doped mesoporous silica. <i>Green Chemistry</i> , <b>2005</b> , 7, 793	10	15
47	Nanosized Pd/Pt and Pd/Rh Catalysts for Naphthalene Hydrogenation and Hydrogenolysis/Ring-opening. <i>Catalysis Letters</i> , <b>2006</b> , 108, 197-207	2.8	15
46	Harbor Dredged Sediment as raw material in fired clay brick production: Characterization and properties. <i>Journal of Building Engineering</i> , <b>2020</b> , 28, 101085	5.2	15
45	Hydrodesulfurization activity over supported sulfided ruthenium catalysts. Influence of the support. <i>Microporous and Mesoporous Materials</i> , <b>2007</b> , 99, 268-278	5.3	14
44	Utilizaci3n de bagazo de la industria cervecera para la producci3n de ladrillos para construcci3n. <i>Materiales De Construccin</i> , <b>2012</b> , 62, 199-212	1.8	14
43	Replacement of the mixing fresh water by wastewater olive oil extraction in the extrusion of ceramic bricks. <i>Construction and Building Materials</i> , <b>2014</b> , 68, 659-666	6.7	13

42	Synthesis and characterization of mixed silica/zirconia and silica/titania porous phosphate heterostructures (PPH). <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 1007-1010	3.9	13
41	Biomass fly ash and aluminium industry slags-based geopolymers. <i>Materials Letters</i> , <b>2018</b> , 229, 6-12	3.3	13
40	Manufacture of Sustainable Clay Bricks Using Waste from Secondary Aluminum Recycling as Raw Material. <i>Materials</i> , <b>2018</b> , 11,	3.5	12
39	Evaluation of technological properties of fired clay bricks containing pyrrhotite ash. <i>Construction and Building Materials</i> , <b>2021</b> , 269, 121312	6.7	10
38	Study of the wet pomace as an additive in ceramic material. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 2712-2718		8
37	Inorganic polymers synthesized using biomass ashes-red mud as precursors based on clay-kaolinite system. <i>Materials Letters</i> , <b>2018</b> , 225, 161-166	3.3	8
36	Dust filter of secondary aluminium industry as raw material of geopolymer foams. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101656	5.2	8
35	Olive Stone Ash as Secondary Raw Material for Fired Clay Bricks. <i>Advances in Materials Science and Engineering</i> , <b>2016</b> , 2016, 1-9	1.5	8
34	Manufacture of sustainable clay ceramic composite with composition SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -CaO-K <sub>2</sub> O materials valuing biomass ash from olive pomace. <i>Materials Letters</i> , <b>2018</b> , 229, 21-25	3.3	8
33	The Impact of the Entrepreneurship Promotion Programs and the Social Networks on the Sustainability Entrepreneurial Motivation of Engineering Students. <i>Sustainability</i> , <b>2020</b> , 12, 4935	3.6	7
32	New waste-based clinkers for the preparation of low-energy cements. A step forward toward circular economy. <i>International Journal of Applied Ceramic Technology</i> , <b>2020</b> , 17, 12-21	2	7
31	Effect of steel slag and curing temperature on the improvement in technological properties of biomass bottom ash based alkali-activated materials. <i>Construction and Building Materials</i> , <b>2021</b> , 302, 124205	6.7	7
30	Effect of Olive-Pine Bottom Ash on Properties of Geopolymers Based on Metakaolin. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
29	Production of Ceramic Material Using Wastes from Brewing Industry. <i>Key Engineering Materials</i> , <b>2015</b> , 663, 94-104	0.4	5
28	Preliminary study of the use of spent diatomaceous earth from the brewing industry in clay matrix bricks. <i>Advances in Applied Ceramics</i> , <b>2017</b> , 116, 77-84	2.3	5
27	Geopolymers made from metakaolin sources, partially replaced by Spanish clays and biomass bottom ash. <i>Journal of Building Engineering</i> , <b>2021</b> , 40, 102761	5.2	5
26	Synthesis of clay geopolymers using olive pomace fly ash as an alternative activator. Influence of the additional commercial alkaline activator used. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 12, 1762-1776	5.5	4
25	Effects of an Illite Clay Substitution on Geopolymer Synthesis as an Alternative to Metakaolin. <i>Journal of Materials in Civil Engineering</i> , <b>2021</b> , 33, 04021072	3	4

24	Silica-Calcareous Non Fired Bricks Made of Biomass Ash and Dust Filter from Gases Purification. <i>Waste and Biomass Valorization</i> , <b>2019</b> , 10, 417-431	3.2	4
23	Comparative Study of the Use of Different Biomass Bottom Ash in the Manufacture of Ceramic Bricks. <i>Journal of Materials in Civil Engineering</i> , <b>2017</b> , 29, 04017238	3	3
22	Transition Metal Sulfide Catalysts for Petroleum Upgrading [Hydrodesulfurization Reactions <b>2012</b> ,		3
21	Alkaline activation of high-crystalline low-Al <sub>2</sub> O <sub>3</sub> Construction and Demolition Wastes to obtain geopolymers. <i>Journal of Cleaner Production</i> , <b>2022</b> , 330, 129770	10.3	3
20	Valorization of Olive Biomass Fly Ash for Production Eco Friendly Ceramic Bricks <b>2020</b> , 285-294		3
19	Mining Wastes of an Albite Deposit as Raw Materials for Vitrified Mullite Ceramics. <i>Minerals (Basel, Switzerland)</i> , <b>2021</b> , 11, 232	2.4	3
18	Online Tools for the Creation of Personal Learning Environments in Engineering Studies for Sustainable Learning. <i>Sustainability</i> , <b>2021</b> , 13, 1179	3.6	3
17	Physical, mechanical and thermal properties of metakaolin-fly ash geopolymers. <i>Sustainable Chemistry and Pharmacy</i> , <b>2022</b> , 26, 100620	3.9	3
16	Learning tools in Electronic Engineering. Content Curation and Personal Learning Environments <b>2020</b> ,		2
15	Wood Bottom Ash and GeoSilex: A By-Product of the Acetylene Industry as Alternative Raw Materials in Calcium Silicate Units. <i>Materials</i> , <b>2020</b> , 13,	3.5	1
14	The Effect of Thermal Treatment under Different Atmospheric Conditions on the Catalytic Performance of Nickel Supported on Porous Silica in the Gas-Phase Hydrogenation of Acetonitrile. <i>Adsorption Science and Technology</i> , <b>2007</b> , 25, 185-198	3.6	1
13	Effect of Activating Solution Modulus on the Synthesis of Sustainable Geopolymer Binders Using Spent Oil Bleaching Earths as Precursor. <i>Sustainability</i> , <b>2021</b> , 13, 7501	3.6	1
12	The social media networking tools for the promotion of the entrepreneurship <b>2016</b> ,		1
11	Personal Learning Environment for Educational Training in Higher Engineering Education <b>2018</b> ,		1
10	The potential role of olive groves to deliver carbon dioxide removal in a carbon-neutral Europe: Opportunities and challenges. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 165, 112609	16.2	1
9	An Experience of the Application of Glossaries and Wikis for Collaborative Learning of the Materials Science Subject. <i>Revista Iberoamericana De Tecnologias Del Aprendizaje</i> , <b>2021</b> , 16, 161-170	1.2	0
8	Biomass bottom ash waste and by-products of the acetylene industry as raw materials for unfired bricks. <i>Journal of Building Engineering</i> , <b>2021</b> , 38, 102191	5.2	0
7	Study of the Entrepreneurial Attitudes of STEM Students. <i>IEEE Access</i> , <b>2021</b> , 9, 112005-112018	3.5	0

6	Recycling of gold mining reject from Amesmessa mine as ceramic raw material: microstructure and mechanical properties. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 46738-46747	5.1	0
5	Content Curation in E-Learning: A Case of Study with Spanish Engineering Students. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3188	2.6	0
4	Effects of expanded vermiculite on the properties of fired bricks from water treatment sludge. <i>International Journal of Applied Ceramic Technology</i> , <b>2022</b> , 19, 1214-1226	2	0
3	Synthesis and characterization of alkali-activated materials containing biomass fly ash and metakaolin: effect of the soluble salt content of the residue. <i>Archives of Civil and Mechanical Engineering</i> , <b>2022</b> , 22, 1	3.4	0
2	Obtenci3n de silicatos de calcio empleando como precursores residuos s3idos. Influencia del mezclado de reactivos en fase seca o fase h3meda. <i>Boletín De La Sociedad Espanola De Cerámica Y Vidrio</i> , <b>2011</b> , 50, 41-48	1.9	
1	An experience of the application of glossaries and wikis for collaborative learning of the Materials Science subject. <i>Revista Iberoamericana De Tecnologías Del Aprendizaje</i> , <b>2021</b> , 1-1	1.2	