

# Irma ChacÃ³n

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

509  
citations

567281

15  
h-index

677142

22  
g-index

29  
all docs

29  
docs citations

29  
times ranked

341  
citing authors

#	ARTICLE	IF	CITATIONS
1	What is the most relevant method for water absorption determination in ceramic tiles produced by illitic-kaolinitic clays? The mystery behind the gresification diagram. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2022, 61, 241-251.	1.9	7
2	Alkali-activated geopolymerization of a low illitic raw clay and waste brick mixture. An alternative to traditional ceramics. Applied Clay Science, 2022, 218, 106410.	5.2	21
3	Aplitic Granite Waste as Raw Material for the Production of Outdoor Ceramic Floor Tiles. Materials, 2022, 15, 3145.	2.9	14
4	An artificial neural network-based prediction model for utilization of coal ash in production of fired clay bricks: A review. Science of Sintering, 2021, 53, 37-53.	1.4	8
5	Recycling of waste coal dust for the energy-efficient fabrication of bricks: A laboratory to industrial-scale study. Environmental Technology and Innovation, 2021, 21, 101350.	6.1	21
6	Potential pathway for recycling of the paper mill sludge compost for brick making. Construction and Building Materials, 2021, 278, 122384.	7.2	23
7	The characterization and pollution status of the surface sediment in the Boka Kotorska Bay, Montenegro. Environmental Science and Pollution Research, 2021, 28, 53629-53652.	5.3	4
8	Optimization of adobe clay bricks based on the raw material properties (mathematical analysis). Construction and Building Materials, 2020, 244, 118342.	7.2	14
9	Comprehensive approach to the influence of frequently used secondary raw materials on clay bricks quality using mathematical modeling (a systematic review). Ceramics International, 2018, 44, 1269-1276.	4.8	7
10	Thermal, ceramic and technological properties of clays used in production of roofing tiles - principal component analysis. Science of Sintering, 2018, 50, 487-500.	1.4	8
11	The study of thermal behavior of montmorillonite and hydromica brick clays in predicting tunnel kiln firing curve. Construction and Building Materials, 2017, 150, 872-879.	7.2	23
12	Mathematical approach to application of industrial wastes in clay brick production – Part II: Optimization. Ceramics International, 2015, 41, 4899-4905.	4.8	26
13	Mathematical approach to application of industrial wastes in clay brick production – Part I: Testing and analysis. Ceramics International, 2015, 41, 4890-4898.	4.8	32
14	Factor space differentiation of brick clays according to mineral content: Prediction of final brick product quality. Applied Clay Science, 2015, 115, 108-114.	5.2	30
15	Effects of mechanical activation on the parameters of talc quality for ceramics production – Chemometric approach. Composites Part B: Engineering, 2015, 79, 660-666.	12.0	15
16	The main factors influencing canine demodicosis treatment outcome and determination of optimal therapy. Parasitology Research, 2015, 114, 2415-2426.	1.6	12
17	Analysis of trace elements in surface sediments, mussels, seagrass and seawater along the southeastern Adriatic coast – a chemometric approach. Pure and Applied Chemistry, 2014, 86, 1111-1127.	1.9	16
18	ANN model of brick properties using LPNORM calculation of minerals content. Ceramics International, 2014, 40, 9637-9645.	4.8	16

#	ARTICLE	IF	CITATIONS
19	Thermal and mineralogical characterization of loess heavy clays for potential use in brick industry. <i>Thermochimica Acta</i> , 2014, 580, 38-45.	2.7	35
20	Optimization of the production process through response surface method: Bricks made of loess. <i>Ceramics International</i> , 2013, 39, 3065-3075.	4.8	29
21	What to expect from heavy clay?. <i>Ceramics International</i> , 2013, 39, 1667-1675.	4.8	27
22	Sensitivity analysis of mathematical models for final product properties: Link to DTG curve. <i>Ceramics International</i> , 2013, 39, 6277-6285.	4.8	10
23	Prediction and fuzzy synthetic optimization of process parameters in heavy clay brick production. <i>Ceramics International</i> , 2013, 39, 2013-2022.	4.8	22
24	Serbian heavy clays behavior: Application in rough ceramics. <i>Hemijaska Industrija</i> , 2013, 67, 811-822.	0.7	16
25	Removal of toxic metals from industrial sludge by fixing in brick structure. <i>Construction and Building Materials</i> , 2012, 37, 7-14.	7.2	66
26	Response surface method as a tool for heavy clay firing process optimization: Roofing tiles. <i>Processing and Application of Ceramics</i> , 2012, 6, 209-214.	0.8	7
27	Characterization of Raw Clay Materials in Serbia 0.063mm Sieved Residues. <i>Ceramic Engineering and Science Proceedings</i> , 0, , 123-128.	0.1	0