

# Irma ChacÃ³n

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6764723/publications.pdf>

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	Removal of toxic metals from industrial sludge by fixing in brick structure. Construction and Building Materials, 2012, 37, 7-14.	7.2	66
2	Thermal and mineralogical characterization of loess heavy clays for potential use in brick industry. Thermochimica Acta, 2014, 580, 38-45.	2.7	35
3	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
4	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
5	Optimization of the production process through response surface method: Bricks made of loess. Ceramics International, 2013, 39, 3065-3075.	4.8	29
6	What to expect from heavy clay?. Ceramics International, 2013, 39, 1667-1675.	4.8	27
7	Mathematical approach to application of industrial wastes in clay brick production"Part II: Optimization. Ceramics International, 2015, 41, 4899-4905.	4.8	26
8	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
9	Potential pathway for recycling of the paper mill sludge compost for brick making. Construction and Building Materials, 2021, 278, 122384.	7.2	23
10	Prediction and fuzzy synthetic optimization of process parameters in heavy clay brick production. Ceramics International, 2013, 39, 2013-2022.	4.8	22
11	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
12	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
13	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
14	ANN model of brick properties using LPNORM calculation of minerals content. Ceramics International, 2014, 40, 9637-9645.	4.8	16
15	Serbian heavy clays behavior: Application in rough ceramics. Hemijska Industrija, 2013, 67, 811-822.	0.7	16
16	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
17	Optimization of adobe clay bricks based on the raw material properties (mathematical analysis). Construction and Building Materials, 2020, 244, 118342.	7.2	14
18	Aplitic Granite Waste as Raw Material for the Production of Outdoor Ceramic Floor Tiles. Materials, 2022, 15, 3145.	2.9	14

#	ARTICLE	IF	CITATIONS
19	The main factors influencing canine demodicosis treatment outcome and determination of optimal therapy. <i>Parasitology Research</i> , 2015, 114, 2415-2426.	1.6	12
20	Sensitivity analysis of mathematical models for final product properties: Link to DTG curve. <i>Ceramics International</i> , 2013, 39, 6277-6285.	4.8	10
21	An artificial neural network-based prediction model for utilization of coal ash in production of fired clay bricks: A review. <i>Science of Sintering</i> , 2021, 53, 37-53.	1.4	8
22	Thermal, ceramic and technological properties of clays used in production of roofing tiles - principal component analysis. <i>Science of Sintering</i> , 2018, 50, 487-500.	1.4	8
23	Comprehensive approach to the influence of frequently used secondary raw materials on clay bricks quality using mathematical modeling (a systematic review). <i>Ceramics International</i> , 2018, 44, 1269-1276.	4.8	7
24	What is the most relevant method for water absorption determination in ceramic tiles produced by illitic-kaolinitic clays? The mystery behind the gresification diagram. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2022, 61, 241-251.	1.9	7
25	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
26	The characterization and pollution status of the surface sediment in the Boka Kotorska Bay, Montenegro. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53629-53652.	5.3	4
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