

# Patrick Ninla Lemougna

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,565  
citations

304368

22  
h-index

433756

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

978  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and thermal properties of inorganic polymers (geopolymers) for structural and refractory applications from volcanic ash. <i>Ceramics International</i> , 2011, 37, 3011-3018.	2.3	206
2	Recent developments on inorganic polymers synthesis and applications. <i>Ceramics International</i> , 2016, 42, 15142-15159.	2.3	119
3	The role of iron in the formation of inorganic polymers (geopolymers) from volcanic ash: a $^{57}\text{Fe}$ Mössbauer spectroscopy study. <i>Journal of Materials Science</i> , 2013, 48, 5280-5286.	1.7	113
4	Review on the use of volcanic ashes for engineering applications. <i>Resources, Conservation and Recycling</i> , 2018, 137, 177-190.	5.3	103
5	Influence of the chemical and mineralogical composition on the reactivity of volcanic ashes during alkali activation. <i>Ceramics International</i> , 2014, 40, 811-820.	2.3	89
6	Study on the development of inorganic polymers from red mud and slag system: Application in mortar and lightweight materials. <i>Construction and Building Materials</i> , 2017, 156, 486-495.	3.2	73
7	Synthesis and characterization of low temperature ( $\leq 800\text{ }^{\circ}\text{C}$ ) ceramics from red mud geopolymer precursor. <i>Construction and Building Materials</i> , 2017, 131, 564-573.	3.2	70
8	A Sustainable Approach for the Geopolymerization of Natural Iron-Rich Aluminosilicate Materials. <i>Sustainability</i> , 2014, 6, 5535-5553.	1.6	65
9	Thermal stability of one-part metakaolin geopolymer composites containing high volume of spodumene tailings and glass wool. <i>Cement and Concrete Composites</i> , 2020, 114, 103792.	4.6	59
10	Influence of the processing temperature on the compressive strength of Na activated lateritic soil for building applications. <i>Construction and Building Materials</i> , 2014, 65, 60-66.	3.2	58
11	Influence of the activating solution composition on the stability and thermo-mechanical properties of inorganic polymers (geopolymers) from volcanic ash. <i>Construction and Building Materials</i> , 2013, 48, 278-286.	3.2	57
12	Lunar regolith can allow the synthesis of cement materials with near-zero water consumption. <i>Gondwana Research</i> , 2017, 44, 1-6.	3.0	55
13	Laterite Based Stabilized Products for Sustainable Building Applications in Tropical Countries: Review and Prospects for the Case of Cameroon. <i>Sustainability</i> , 2011, 3, 293-305.	1.6	49
14	Characterization and performance evaluation of laterite based geopolymer binder cured at different temperatures. <i>Construction and Building Materials</i> , 2021, 270, 121443.	3.2	48
15	Effect of slag on the improvement of setting time and compressive strength of low reactive volcanic ash geopolymers synthesized at room temperature. <i>Materials Chemistry and Physics</i> , 2020, 239, 122077.	2.0	44
16	Low temperature depolymerization and polycondensation of a slag-based inorganic polymer. <i>Ceramics International</i> , 2017, 43, 9067-9076.	2.3	37
17	Effect of slag and calcium carbonate addition on the development of geopolymer from indurated laterite. <i>Applied Clay Science</i> , 2017, 148, 109-117.	2.6	36
18	Reuse of copper slag in high-strength building ceramics containing spodumene tailings as fluxing agent. <i>Minerals Engineering</i> , 2020, 155, 106448.	1.8	34

#	ARTICLE	IF	CITATIONS
19	Recycling lithium mine tailings in the production of low temperature (700â€”900â€”Â°C) ceramics: Effect of ladle slag and sodium compounds on the processing and final properties. Construction and Building Materials, 2019, 221, 332-344.	3.2	32
20	Sustainable iron-rich cements: Raw material sources and binder types. Cement and Concrete Research, 2022, 157, 106834.	4.6	32
21	Effect of vacuum dehydration on gel structure and properties of metakaolin-based geopolymers. Ceramics International, 2017, 43, 14340-14346.	2.3	26
22	Utilisation of glass wool waste and mine tailings in high performance building ceramics. Journal of Building Engineering, 2020, 31, 101383.	1.6	26
23	Spodumene tailings for porcelain and structural materials: Effect of temperature (1050â€”1200â€”Â°C) on the sintering and properties. Minerals Engineering, 2019, 141, 105843.	1.8	22
24	Recycling glass wool as a fluxing agent in the production of clay- and waste-based ceramics. Journal of Cleaner Production, 2021, 289, 125673.	4.6	21
25	Removal of lead ions from aqueous solution using phosphateâ€”based geopolymer cement composite. Journal of Chemical Technology and Biotechnology, 2021, 96, 1358-1369.	1.6	20
26	Synthesis and characterization of porous ceramics from spodumene tailings and waste glass wool. Ceramics International, 2021, 47, 33286-33297.	2.3	20
27	Investigation of Groundnut Shell Powder on Development of Lightweight Metakaolin Based Geopolymer Composite: Mechanical and Microstructural Properties. Silicon, 2022, 14, 449-461.	1.8	15
28	Effect of organic resin in glass wool waste and curing temperature on the synthesis and properties of alkali-activated pastes. Materials and Design, 2021, 212, 110287.	3.3	11
29	Effect of Sodium Disilicate and Metasilicate on the Microstructure and Mechanical Properties of One-Part Alkali-Activated Copper Slag/Ground Granulated Blast Furnace Slag. Materials, 2021, 14, 5505.	1.3	10
30	Influence of Thermal Activation and Silica Modulus on the Properties of Clayey-Lateritic Based Geopolymer Binders Cured at Room Temperature. Silicon, 2022, 14, 7399-7416.	1.8	8
31	Synthesis of Volcanic Ashâ€”based Porous Inorganic Polymers Using Biomass as Pore Inducing Agent: Phase Evolution and Descriptive Microstructure. Silicon, 2022, 14, 2595-2608.	1.8	7