

Romisuhani Ahmad

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. <i>Materials</i> , 2022, 15, 375.	1.3	46
2	Heavy metals reduction using electrocoagulation in enhancing the water quality near unlined landfill: A case study. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 646, 012003.	0.2	1
3	Role of Sintering Temperature in Production of Nepheline Ceramics-Based Geopolymer with Addition of Ultra-High Molecular Weight Polyethylene. <i>Materials</i> , 2021, 14, 1077.	1.3	7
4	Evaluation on the Mechanical Properties of Ground Granulated Blast Slag (GGBS) and Fly Ash Stabilized Soil via Geopolymer Process. <i>Materials</i> , 2021, 14, 2833.	1.3	34
5	Geopolymer as underwater concreting material: A review. <i>Construction and Building Materials</i> , 2021, 291, 123276.	3.2	37
6	Technological Properties of Fly Ash-Based Lightweight Geopolymer Brick. <i>Lecture Notes in Civil Engineering</i> , 2021, , 25-50.	0.3	0
7	Fabrication of Lightweight Ceramic Materials Using Geopolymer Technology. <i>Lecture Notes in Civil Engineering</i> , 2021, , 167-189.	0.3	1
8	Comparison between activated carbon and sand filtration method for water quality enhancement: A case study. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 646, 012050.	0.2	0
9	Enhancement of water quality using natural coagulant in Shah Alam Lakes, Malaysia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 646, 012051.	0.2	0
10	Geopolymer Ceramic as Piezoelectric Materials: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012044.	0.3	0
11	Effect of kaolin geopolymer ceramic addition on the properties of Sn-3.0Ag-0.5Cu solder joint. <i>Materials Today Communications</i> , 2020, 25, 101469.	0.9	12
12	Mechanical and physical properties of bottom ash/fly ash geopolymer for pavement brick application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 743, 012029.	0.3	1
13	The Effects of Solid to Liquid Ratio on Fly Ash Based Lightweight Geopolymer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 877, 012013.	0.3	4
14	Characterization of Fly ash and Ground Granulated Blast Slag for Soil Stabilization Application Using Geopolymerization Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012013.	0.3	6
15	The Effect of Seawater on The Strength, Microstructure and Elemental Distribution of Fly Ash/ Kaolin Based Underwater Geopolymer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012014.	0.3	4
16	Impact of Thermal Ageing and Multiple Reflow on Lead Free Composite Solder : A Short Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 957, 012063.	0.3	0
17	Heat Evolution of Class C Fly Ash Geopolymers with Different Molarity of Sodium Hydroxide: Nucleation Growth and Morphology Properties towards Early Strength Evaluation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012008.	0.3	4
18	Correlation between Thermal Insulation Properties with Compressive Strength and Density of Lightweight Geopolymer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012040.	0.3	7

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19	Microstructure and Mechanical Properties of Geopolymer Ceramic Reinforced Sn-0.7Cu Solder. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012041.	0.3	3
20	Void Distributions in Sn-3.0Ag-0.5Cu (SAC305) Composite Lead Free Solder Subjected to Thermal Ageing Using Acoustic Micro Imaging Technique. IOP Conference Series: Materials Science and Engineering, 2020, 877, 012014.	0.3	0
21	Comparison Study on Microstructure Properties of Kaolin Based Geopolymer Ceramics with Addition of UHMWPE under Different Sintering Condition. IOP Conference Series: Materials Science and Engineering, 2020, 877, 012015.	0.3	0
22	Synthesis and characterization of metakaolin geopolymer-MgO NPs green composite for heat protection. AIP Conference Proceedings, 2020, , .	0.3	0
23	Aggregate impact value (AIV) of fly ash geopolymer artificial aggregate at different sodium hydroxide (NaOH) concentration. AIP Conference Proceedings, 2020, , .	0.3	2
24	A Review of Morphology Analysis on Dolomite as an Additive Material in Geopolymer. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012024.	0.3	0
25	Development of Geopolymer Ceramic as a Potential Reinforcing Material in Solder Alloy: Short review. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012023.	0.3	2
26	Synthesis and Characterization of Fly ash based Geopolymer Ceramics: Effect of NaOH Concentration. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012014.	0.3	2
27	Effect of different NaOH molarity towards fly ash based geopolymer for underwater concreting. AIP Conference Proceedings, 2020, , .	0.3	0
28	Addition of dolomite into metakaolin as geopolymer: A preliminary study. AIP Conference Proceedings, 2020, , .	0.3	0
29	Influence of Solid-To-Liquid Ratio on Properties of Fly Ash Geopolymer Ceramics. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012083.	0.3	0
30	A Review of Carbonate Minerals as an Additive to Geopolymer Materials. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012084.	0.3	6
31	Characterization of geopolymer ceramic reinforced Sn-0.7Cu composite solder: Effect of milling time and speed.. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012016.	0.3	2
32	Influence of kaolin geopolymer ceramic additions to the wettability and electrical properties of Sn-3.0Ag-0.5Cu (SAC305) lead free solder. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012033.	0.3	5
33	The Effect of Geopolymer Ceramic Additions to The Wettability and Shear strength of Sn-Ag-Cu (SAC) Solder: A Preliminary Study. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012081.	0.3	6
34	Performance of Geopolymer Concrete when Exposed to Marine Environment. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012092.	0.3	3
35	The Effect of Different Crumb Rubber Loading on the Properties of Fly Ash-Based Geopolymer Concrete. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012079.	0.3	6
36	Physical properties of Sn-3.0Ag-0.5Cu lead-free solder with the additional of SiC particles. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012030.	0.3	0

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37	XRD and FTIR study of the effect of ultra high molecular weight polyethylene (UHMWPE) as binder on kaolin geopolymer ceramics. AIP Conference Proceedings, 2017, , .	0.3	3
38	The Influence of Sintering Method on Kaolin-Based Geopolymer Ceramics with Addition of Ultra High Molecular Weight Polyethylene as Binder. IOP Conference Series: Materials Science and Engineering, 2017, 267, 012013.	0.3	4
39	Kaolin Geopolymer as Precursor to Ceramic Formation. MATEC Web of Conferences, 2016, 78, 01061.	0.1	17
40	Properties and Microstructural Characteristic of Kaolin Geopolymer Ceramics with Addition of Ultra High Molecular Weight Polyethylene. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012023.	0.3	2
41	Effect of filler loading and coconut oil coupling agent on properties of low-density polyethylene and palm kernel shell eco-composites. Journal of Vinyl and Additive Technology, 2016, 22, 200-205.	1.8	22
42	Review on Development of Clay Based Geopolymer Ceramic Composites. Materials Science Forum, 2014, 803, 37-43.	0.3	5
43	Properties of low-density polyethylene/palm kernel shell composites: Effect of polyethylene co-acrylic acid. Journal of Thermoplastic Composite Materials, 2013, 26, 3-15.	2.6	49
44	Reviews on Clay Geopolymer Ceramic Using Powder Metallurgy Method. Materials Science Forum, 0, 803, 81-87.	0.3	8
45	Correlation between $\text{Na}^+2\text{SiO}_3/\text{NaOH}$ and NaOH Molarity to Flexural Strength of Geopolymer Ceramic. Applied Mechanics and Materials, 0, 754-755, 152-156.	0.2	4
46	The Effect of Solid-to-Liquid Ratio and Temperature on Mechanical Properties of Kaolin Geopolymer Ceramics. Key Engineering Materials, 0, 660, 23-27.	0.4	2
47	Characterization and Microstructure of Kaolin-Based Ceramic Using Geopolymerization. Key Engineering Materials, 0, 700, 3-11.	0.4	14
48	Effect of Ultra High Molecular Weight Polyethylene (UHMWPE) as Binder and Sintering Temperature in Kaolin Geopolymer Ceramics on Flexural Strength. Materials Science Forum, 0, 857, 412-415.	0.3	2
49	The Relation between Density and Flexural Strength of Geopolymer Based Ceramic with Addition of Ultra High Molecular Weight Polyethylene (UHMWPE) for Lightweight Ceramics. Materials Science Forum, 0, 967, 286-291.	0.3	0
50	Effects of Thermal Resistance to Fly Ash-Based Lightweight Geopolymer. IOP Conference Series: Materials Science and Engineering, 0, 551, 012082.	0.3	1
51	Assessing the Applicability of Ecological Materials Obtained with CRT Glass. IOP Conference Series: Earth and Environmental Science, 0, 616, 012048.	0.2	1
52	Thermal and catalytic pyrolysis of palm-pressed fibre (PPF) with copper oxide doped zirconia (CuO/ZrO ₂) catalyst in a fixed-bed reactor. IOP Conference Series: Materials Science and Engineering, 0, 932, 012009.	0.3	0
53	Properties of Blended Alkaline System Geopolymer- A Review. IOP Conference Series: Materials Science and Engineering, 0, 743, 012015.	0.3	0