Marek Hebda

List of Publications by Year
in descending order

51	779	471061	610482
papers	citations	17 h-index	24 g-index

53	53	53	676
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Eco-Geopolymers: Physico-Mechanical Features, Radiation Absorption Properties, and Mathematical Model. Polymers, 2022, 14, 262.	2.0	6
2	Fracture Behavior of Long Fiber Reinforced Geopolymer Composites at Different Operating Temperatures. Materials, 2022, 15, 482.	1.3	13
3	Properties of Microplasma Coating on AZ91 Magnesium Alloy Prepared from Electrolyte with and without the Borax Addition. Materials, 2022, 15, 1354.	1.3	5
4	3D Printing of Concrete-Geopolymer Hybrids. Materials, 2022, 15, 2819.	1.3	19
5	Optimizing the L/S Ratio in Geopolymers for the Production of Large-Size Elements with 3D Printing Technology. Materials, 2022, 15, 3362.	1.3	6
6	Interlayer Bond Strength Testing in 3D-Printed Mineral Materials for Construction Applications. Materials, 2022, 15, 4112.	1.3	9
7	Foamed Eco-Geopolymer Modified by Perlite and Cellulose as a Construction Material for Energy-Efficient Buildings. Energies, 2022, 15, 4297.	1.6	5
8	Eco-Friendly Fired Brick Produced from Industrial Ash and Natural Clay: A Study of Waste Reuse. Materials, 2021, 14, 877.	1.3	18
9	Process Design for a Production of Sustainable Materials from Post-Production Clay. Materials, 2021, 14, 953.	1.3	7
10	Mechanical and Fracture Properties of Long Fiber Reinforced Geopolymer Composites. Materials, 2021, 14, 5183.	1.3	24
11	Concept of Flocks Fragmentation and Averaging Method for the Application of Electrocoagulation in Process for Coke Oven Wastewater Treatment. Materials, 2021, 14, 6307.	1.3	4
12	The Influence of Conventional or KOBO Extrusion Process on the Properties of AZ91 (MgAl9Zn1) Alloy. Materials, 2021, 14, 6543.	1.3	4
13	Hybrid Materials Based on Fly Ash, Metakaolin, and Cement for 3D Printing. Materials, 2021, 14, 6874.	1.3	27
14	Numerical and Metallurgical Analysis of Laser Welded, Sealed Lap Joints of S355J2 and 316L Steels under Different Configurations. Materials, 2020, 13, 5819.	1.3	7
15	Alkali Activation of Waste Clay Bricks: Influence of The Silica Modulus, SiO2/Na2O, H2O/Na2O Molar Ratio, and Liquid/Solid Ratio. Materials, 2020, 13, 383.	1.3	44
16	The Influence of Wood and Basalt Fibres on Mechanical, Thermal and Hydrothermal Properties of PLA Composites. Journal of Polymers and the Environment, 2020, 28, 1204-1215.	2.4	53
17	Effect of FSW Traverse Speed on Mechanical Properties of Copper Plate Joints. Materials, 2020, 13, 1937.	1.3	19
18	Engineering Properties of Ternary Cementless Blended Materials. International Journal of Engineering and Technology Innovation, 2020, 10, 191-199.	0.5	6

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19	Thermal phenomena of alkali-activated metakaolin studied with a negative temperature coefficient system. Journal of Thermal Analysis and Calorimetry, 2019, 138, 4167-4175.	2.0	25
20	Characterisation of post-production raw material from the Raciszyn II deposit as a material suitable for the production of alkaline-activated materials. Journal of Thermal Analysis and Calorimetry, 2019, 138, 4551-4559.	2.0	16
21	The influence of temperature gradient thermal shock cycles on the interlaminar shear strength of fibre metal laminate composite determined by the short beam test. Composites Part B: Engineering, 2019, 176, 107217.	5.9	31
22	Improving the Dimensional Stability and Mechanical Properties of AISI 316L + B Sinters by Si3N4 Addition. Materials, 2019, 12, 1798.	1.3	5
23	Calcined Post-Production Waste as Materials Suitable for the Hydrothermal Synthesis of Zeolites. Materials, 2019, 12, 2742.	1.3	10
24	Optimal Design of pH-neutral Geopolymer Foams for Their Use in Ecological Plant Cultivation Systems. Materials, 2019, 12, 2999.	1.3	28
25	Influence of size and volume share of WC particles on the properties of sintered metal matrix composites. Advanced Powder Technology, 2019, 30, 835-842.	2.0	23
26	Preparation Method of Spherical and Monocrystalline Aluminum Powder. Metals, 2019, 9, 375.	1.0	3
27	Influence of powder particles shape and size on the sintered austenitic stainless steel. International Journal of Materials and Product Technology, 2019, 58, 85.	0.1	2
28	Circulation Fluidized Bed Combustion Fly Ash as Partial Replacement of Fine Aggregates in Roller Compacted Concrete. Materials, 2019, 12, 4204.	1.3	16
29	In Situ Formation of TiB2 in Fe-B System with Titanium Addition and Its Influence on Phase Composition, Sintering Process and Mechanical Properties. Materials, 2019, 12, 4188.	1.3	1
30	Characterization of the products obtained from alkaline conversion of tuff and metakaolin. Journal of Thermal Analysis and Calorimetry, 2018, 133, 217-226.	2.0	18
31	Analysis of the oxidation process of powders and sinters of the austenitic stainless steel. Journal of Thermal Analysis and Calorimetry, 2018, 133, 115-122.	2.0	10
32	Analysis of Chemical Nickel-Plating Process. Materials Science, 2018, 54, 387-394.	0.3	5
33	Geopolymers as a material suitable for immobilization of fly ash from municipal waste incineration plants. Journal of the Air and Waste Management Association, 2018, 68, 1190-1197.	0.9	35
34	Thermally induced phenomena leading to degradation of poly(silsesquioxane) materials. European Polymer Journal, 2017, 86, 17-28.	2.6	16
35	Corrosion Resistance of Cordierite-Modified Light MMCs. Journal of Materials Engineering and Performance, 2017, 26, 2555-2562.	1.2	5
36	Properties of Light MMCs Modified with Cordierite Synthesized from Fly Ash. Journal of Materials Engineering and Performance, 2016, 25, 2261-2266.	1.2	3

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37	Thermal analysis of the by-products of waste combustion. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1035-1045.	2.0	25
38	Influence of FeNiMnSiB master alloy on the structure and mechanical properties of P/M AISI 316L. Materials and Design, 2016, 108, 462-469.	3.3	12
39	Cold-induced changes in cell wall stability determine the resistance of winter triticale to fungal pathogen Microdochium nivale. Journal of Thermal Analysis and Calorimetry, 2016, 126, 77-90.	2.0	10
40	Dilatometric study of low-alloy steels with silicon carbide addition. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1319-1326.	2.0	6
41	PAD4, LSD1 and EDS1 regulate drought tolerance, plant biomass production, and cell wall properties. Plant Cell Reports, 2016, 35, 527-539.	2.8	48
42	Thermal analysis of the products of alkali activation of fly ash from CFB boilers. Journal of Thermal Analysis and Calorimetry, 2016, 124, 1609-1621.	2.0	20
43	Thermal behavior and physical characteristics of synthetic zeolite from CFB-coal fly ash. Microporous and Mesoporous Materials, 2016, 220, 155-162.	2.2	38
44	Porosity Characterization of Aluminium Castings by Using Particular Non-destructive Techniques. Journal of Nondestructive Evaluation, 2015, 34, 1.	1.1	13
45	Influence of silicon addition on the mechanical properties and corrosion resistance of low-alloy steel. Bulletin of Materials Science, 2015, 38, 1687-1692.	0.8	2
46	Effect of the cooling rate on the phase transformation of Astaloy CrL powders modified with SiC addition. Advanced Powder Technology, 2014, 25, 543-550.	2.0	7
47	Application of a device used for observation of controlled thermal processes in a furnace. Journal of Thermal Analysis and Calorimetry, 2013, 114, 1099-1109.	2.0	17
48	Effect of mechanical alloying and annealing on the sintering behaviour of AstaloyCrL powders with SiC and carbon addition. Journal of Thermal Analysis and Calorimetry, 2013, 113, 395-403.	2.0	17
49	Software for the estimation of steel weldability. Advances in Engineering Software, 2013, 58, 13-17.	1.8	0
50	Thermal characteristics and analysis of pyrolysis effects during the mechanical alloying process of Astaloy CrM powders. Journal of Thermal Analysis and Calorimetry, 2012, 108, 453-460.	2.0	13
51	Properties of Precipitation Hardening 17-4 PH Stainless Steel Manufactured by Powder Metallurgy Technology. Advanced Materials Research, 0, 811, 87-92.	0.3	20