Jan Ondruska

List of Publications by Year
in descending order

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43	298	1040056	996975
papers	citations	9 h-index	15 g-index

43	43	43	249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Apparent Thermal Properties of Phase-Change Materials: An Analysis Using Differential Scanning Calorimetry and Impulse Method. International Journal of Thermophysics, 2013, 34, 851-864.	2.1	41
2	Influence of mechanical activation on DC conductivity of kaolin. Applied Clay Science, 2018, 154, 36-42.	5.2	24
3	The effect of electron beam on sheep wool. Polymer Degradation and Stability, 2015, 111, 151-158.	5.8	23
4	The influence of heat on elastic properties of illitic clay Radobica. Journal of the Ceramic Society of Japan, 2015, 123, 874-879.	1.1	19
5	Degree of Conversion of Dehydroxylation in a Large Electroceramic Body. International Journal of Thermophysics, 2011, 32, 729-735.	2.1	18
6	Temperature dependence of the AC conductivity of illitic clay. Applied Clay Science, 2018, 157, 19-23.	5.2	17
7	Typical problems in push-rod dilatometry analysis. Ã‰pÃŧÅ‘anyag: Journal of Silicate Based and Composite Materials, 2013, 65, 11-14.	0.2	14
8	Enhancing Computational Thinking through Interdisciplinary STEAM Activities Using Tablets. Mathematics, 2020, 8, 2128.	2.2	13
9	The Influence of Fly Ash on Mechanical Properties of Clay-Based Ceramics. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.0	11
10	Isothermal Dilatometric Study of Sintering in Kaolin. International Journal of Thermophysics, 2014, 35, 1946-1956.	2.1	9
11	DC conductivity of illitic clay after various firing. Journal of Thermal Analysis and Calorimetry, 2016, 124, 81-86.	3.6	9
12	Comparison of dehydration in kaolin and illite using DC conductivity measurements. Applied Clay Science, 2017, 149, 8-12.	5.2	9
13	Polarization and depolarization currents in kaolin. Applied Clay Science, 2015, 114, 157-160.	5.2	7
14	Youngâ€™s Modulus of Different Illitic Clays during Heating and Cooling Stage of Firing. Materials, 2020, 13, 4968.	2.9	7
15	Estimation of mass transfer parameters during dehydroxylation in a large ceramic body by inverse methods. Ceramics International, 2011, 37, 3299-3305.	4.8	6
16	Electrical conductivity and thermal analyses studies of phase evolution in the illite â€“ CaCO3 system. Applied Clay Science, 2019, 178, 105140.	5.2	6
17	DC Conductivity of Illite with Fly-Ash between 20 â€“ 1050 Â°C. Advanced Materials Research, 2015, 1126, 123-128.	0.3	5
18	Measurement of the contribution of radiation to the apparent thermal conductivity of fiber reinforced cement composites exposed to elevated temperatures. International Journal of Thermal Sciences, 2016, 100, 298-304.	4.9	5

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19	Polarization currents in illite at various temperatures. Applied Clay Science, 2017, 135, 414-417.	5.2	5
20	Evolution of AC conductivity of wet illitic clay during drying. IOP Conference Series: Materials Science and Engineering, 2017, 175, 012041.	0.6	5
21	Influence of texture on DC conductivity and dimensional changes of kaolin and illitic clay. Ceramics International, 2019, 45, 2425-2431.	4.8	5
22	Thermophysical Properties of Kaolinâ€“Zeolite Blends up to 1100 Â°C. Crystals, 2021, 11, 165.	2.2	5
23	Youngâ€™s modulus of prefired quartz porcelain in a temperature range of 20â€“1200 Â°C. Materiali in Tehnologije, 2019, 53, 535-541.	0.5	4
24	The Influence of Texture and Firing on Thermal and Elastic Properties of Illite-Based Ceramics. Advanced Materials Research, 0, 1126, 53-58.	0.3	3
25	Irradiated lanoline as a prospective substance for biomedical applications: A spectroscopic and thermal study. Radiation Physics and Chemistry, 2015, 113, 41-46.	2.8	3
26	Depolarization currents in illite. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2285-2289.	3.6	3
27	Influence of waste glass addition on thermal properties of kaolin and illite. AIP Conference Proceedings, 2019, , .	0.4	3
28	Biophysics in nursing education. AIP Conference Proceedings, 2019, , .	0.4	3
29	Investigation of kaolinâ€“quartz mixtures during heating using thermodilatometry and DC thermoconductometry. Journal of Thermal Analysis and Calorimetry, 2020, 139, 833-838.	3.6	3
30	AC conductivity of an illitic clay with zeolite addition after firing at different temperatures. AIP Conference Proceedings, 2017, , .	0.4	2
31	The Sonic Resonance Method and the Impulse Excitation Technique: A Comparison Study. Applied Sciences (Switzerland), 2021, 11, 10802.	2.5	2
32	Differential scanning calorimetry of illite/smectite â€“ CaCO3 mixtures. AIP Conference Proceedings, 2021, , .	0.4	2
33	The Influence of Thermal Expansion and Mass Loss on the Youngâ€™s Modulus of Ceramics During Firing. International Journal of Thermophysics, 2014, 35, 1879-1887.	2.1	1
34	Thermoanalytical investigation of ancient pottery. AIP Conference Proceedings, 2016, , .	0.4	1
35	Influence of milling on physical properties of illite. AIP Conference Proceedings, 2017, , .	0.4	1
36	Experiments with the tablet in informal education. AIP Conference Proceedings, 2019, , .	0.4	1

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37	Hofmannâ€™s electrolyser in laboratory works. AIP Conference Proceedings, 2019, , .	0.4	1
38	Effect of waste glass addition on DC electrical conductivity of illite. AIP Conference Proceedings, 2020, , .	0.4	1
39	Thermal expansion and mass change of illite/smectite â€“ waste glass mixtures. AIP Conference Proceedings, 2021, , .	0.4	1
40	Influence of zeolite addition on DC conductivity of illitic clay after firing at different temperatures. AIP Conference Proceedings, 2018, , .	0.4	0
41	Thermal expansion and mass change of kaolin-waste glass mixtures. AIP Conference Proceedings, 2020, , .	0.4	0
42	Comparison of different types of electrodes to DC conductivity measurements at elevated temperatures. AIP Conference Proceedings, 2021, , .	0.4	0
43	An influence of the firing temperature on elastic constants of alumina porcelain. AIP Conference Proceedings, 2021, , .	0.4	0