

# Ferenc Kristály

## List of Publications by Year in descending order

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77  
papers

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citations

687363

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77  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical activation of fly ash and its influence on micro and nano-structural behaviour of resulting geopolymers. <i>Advanced Powder Technology</i> , 2017, 28, 805-813.	4.1	111
2	Geopolymerisation behaviour of size fractioned fly ash. <i>Advanced Powder Technology</i> , 2015, 26, 24-30.	4.1	95
3	Forsterite Nanopowder: Structural Characterization and Biocompatibility Evaluation. <i>Journal of Materials Science and Technology</i> , 2013, 29, 628-632.	10.7	55
4	Detailed clay mineralogy of the Triassic-Jurassic boundary section at Kendlbachgraben (Northern Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 6	0.6	27
5	Grain boundary diffusion induced reaction layer formation in Fe/Pt thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 203-211.	2.3	24
6	Synthesis of activated carbon foams with high specific surface area using polyurethane elastomer templates for effective removal of methylene blue. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103214.	4.9	23
7	Amorphous alloys and differential scanning calorimetry (DSC). <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7141-7157.	3.6	20
8	Melting temperature versus crystallinity: new way for identification and analysis of multiple endotherms of poly(ethylene terephthalate). <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	17
9	Lightweight composite from fly ash geopolymer and glass foam. <i>Journal of Sustainable Cement-Based Materials</i> , 2021, 10, 1-22.	3.1	15
10	Mineralogy of Iza Cave (Rodnei Mountains, N. Romania). <i>International Journal of Speleology</i> , 2011, 40, 171-179.	1.0	14
11	Development of Ag nanoparticles on the surface of Ti powders by chemical reduction method and investigation of their antibacterial properties. <i>Applied Surface Science</i> , 2020, 533, 147494.	6.1	14
12	Temperature and Time Dependence of the Solvent-Induced Crystallization of Poly(l-lactide). <i>Polymers</i> , 2020, 12, 1065.	4.5	14
13	Mechanical Activation of Construction and Demolition Waste in Order to Improve Its Pozzolanic Reactivity. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3416-3427.	6.7	14
14	Physicochemical, mineralogical and radiological properties of red mud samples as secondary raw materials. <i>Nuclear Technology and Radiation Protection</i> , 2017, 32, 261-266.	0.8	14
15	COMBINED UTILIZATION OF RED MUD AND MECHANICALLY ACTIVATED FLY ASH IN GEOPOLYMERS. <i>Rudarsko Geolosko Naftni Zbornik</i> , 2019, 34, 27-36.	0.5	13
16	Investigation of nanocrystalline sintered W-25wt% Cu composite. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 95, 105438.	3.8	12
17	Synthesis of iron oxide nanoparticles for DNA purification. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 693-700.	2.4	12
18	Sonochemical Combined Synthesis of Nickel Ferrite and Cobalt Ferrite Magnetic Nanoparticles and Their Application in Glycan Analysis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5081.	4.1	12

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19	Fine-tuning the catalytic activity by applying nitrogen-doped carbon nanotubes as catalyst supports for the hydrogenation of olefins. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 129, 95-106.	1.7	11
20	The influence of mechanical activation on the nanostructure of zeolite. <i>Journal of Materials Science</i> , 2018, 53, 13779-13789.	3.7	10
21	Application of carbon nanotube coated aluminosilicate beads as support on support-catalyst for hydrogenation of nitrobenzene. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 79, 307-313.	5.8	10
22	Preparation and Photocatalytic Performance of TiO <sub>2</sub> Nanowire-Based Self-Supported Hybrid Membranes. <i>Molecules</i> , 2022, 27, 2951.	3.8	10
23	Effects of Extruder Head's Geometry on the Properties of Extruded Ceramic Products. <i>Materials Science Forum</i> , 2010, 659, 499-504.	0.3	9
24	Development and Application of Carbon-Layer-Stabilized, Nitrogen-Doped, Bamboo-Like Carbon Nanotube Catalysts in CO <sub>2</sub> Hydrogenation. <i>ChemistryOpen</i> , 2018, 7, 789-796.	1.9	9
25	Comparison of acid exfoliators in carbon nanosheets synthesis from stinging nettle ( <i>Urtica dioica</i> ) for electrochemical applications. <i>Scientific Reports</i> , 2020, 10, 17270.	3.3	9
26	Ultrasonic cavitation assisted deposition of catalytically active metals on nitrogen-doped and non-doped carbon nanotubes – A comparative study. <i>Journal of Materials Research and Technology</i> , 2020, 9, 4283-4291.	5.8	9
27	Development of magnetic, ferrite supported palladium catalysts for 2,4-dinitrotoluene hydrogenation. <i>Materials Today Chemistry</i> , 2021, 20, 100470.	3.5	9
28	MINERALOGICAL INVESTIGATIONS OF MEDIEVAL BRICK SAMPLES FROM BORSKÓ COUNTY (SE HUNGARY). <i>Archaeometry</i> , 2012, 54, 250-266.	1.3	8
29	Characterization and Catalytic Activity of Different Carbon Supported Pd Nanocomposites. <i>Catalysis Letters</i> , 2016, 146, 2268-2277.	2.6	8
30	Hydrogenation of nitrobenzene over a composite catalyst based on zeolite supported N-doped carbon nanotubes decorated with palladium. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 125, 583-593.	1.7	8
31	Remnants of organic pore-forming additives in conventional clay brick materials: Optical Microscopy and Scanning Electron Microscopy study. <i>Journal of Silicate Based and Composite Materials</i> , 2008, 60, 34-38.	0.2	8
32	Development of High-Efficiency, Magnetically Separable Palladium-Decorated Manganese-Ferrite Catalyst for Nitrobenzene Hydrogenation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6535.	4.1	8
33	Investigation Of Intermetallic Compounds In Sn-Cu-Ni Lead-Free Solders. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 1511-1515.	0.6	7
34	Synthesis and 1-butene hydrogenation activity of platinum decorated bamboo-shaped multiwall carbon nanotubes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 371-383.	1.7	7
35	Î±-Cristobalite formation in ceramic tile and sewage pipe bodies derived from Westerwald ball clay and its effect on elastic-properties. <i>Applied Clay Science</i> , 2019, 178, 105126.	5.2	7
36	Sonochemical Deposition of Palladium Nanoparticles Onto the Surface of N-Doped Carbon Nanotubes: A Simplified One-Step Catalyst Production Method. <i>Catalysis Letters</i> , 2020, 150, 505-513.	2.6	7

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37	Control of Carbon Dioxide Sequestration by Mechanical Activation of Red Mud. Waste and Biomass Valorization, 2021, 12, 6481-6495.	3.4	7
38	Mechanical Activation of Deposited Brown Coal Fly Ash in Stirred Media Mill. Acta Physica Polonica A, 2014, 126, 988-993.	0.5	6
39	Synthesis and characterization of Zr-based in situ crystal precipitated and liquid phase separated bulk metallic glass composite. Journal of Non-Crystalline Solids, 2017, 458, 41-51.	3.1	6
40	Development of bacterial celluloseâ€“ZnOâ€“MWCNT hybrid membranes: a study of structural and mechanical properties. Royal Society Open Science, 2020, 7, 200592.	2.4	6
41	Preparation of highly effective carbon black supported Pdâ€“Pt bimetallic catalysts for nitrobenzene hydrogenation. Nanotechnology, 2021, 32, 425701.	2.6	6
42	Combustion method combined with sonochemical step for synthesis of maghemite-supported catalysts for the hydrogenation of 2,4-dinitrotoluene. Catalysis Communications, 2021, 159, 106342.	3.3	6
43	Structural differences and adsorption behaviour of alkaline metals doped zinc oxide nanoparticles. Scientific Reports, 2022, 12, 2292.	3.3	6
44	The origin of the Avram Iancu Uâ€“Niâ€“Coâ€“Biâ€“As mineralization, BĂfiÅŝa (Bihor) metallogenic district, Bihor Mts., Romania. International Journal of Earth Sciences, 2015, 104, 1865-1887.	1.8	5
45	Phase Transformation and Morphology Evolution of Ti50Cu25Ni20Sn5 during Mechanical Milling. Materials, 2018, 11, 1769.	2.9	5
46	The effect of ball to powder ratio on the processing of a novel Mo-Cu-Al2O3 composite. International Journal of Refractory Metals and Hard Materials, 2021, 101, 105657.	3.8	5
47	Development of Nickel- and Magnetite-Promoted Carbonized Cellulose Bead-Supported Bimetallic Pdâ€“Pt Catalysts for Hydrogenation of Chlorate Ions in Aqueous Solution. International Journal of Molecular Sciences, 2021, 22, 11846.	4.1	5
48	The Transformation of Added Vegetal Waste Materials during Clay Brick Firing. Materials Science Forum, 0, 659, 37-42.	0.3	4
49	Low temperature rehydration of thermally dehydroxylated Bayerâ€“gibbsite, evolution and transformation of phases. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1353-1365.	3.6	4
50	Hardground, gap and thin black shale: spatial heterogeneity of arrested carbonate sedimentation during the Jenkyns Event (T-OAE) in a Tethyan pelagic Basin (Gerecse Mts, Hungary). Geological Society Special Publication, 2021, 514, 269-289.	1.3	4
51	Kinetics of shift of individual interfaces in Ni/Si system during low temperature reactions. Microelectronic Engineering, 2015, 134, 14-21.	2.4	3
52	Leaching mechanism of bioapatite in carbonate-saturated water. CrystEngComm, 2020, 22, 2788-2794.	2.6	3
53	Development of Highly Efficient, Glassy Carbon Foam Supported, Palladium Catalysts for Hydrogenation of Nitrobenzene. Nanomaterials, 2021, 11, 1172.	4.1	3
54	Cellulose-based catalyst design for efficient chlorate reduction. Arabian Journal of Chemistry, 2021, 14, 103202.	4.9	3

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55	Preliminary analysis on roles of metal-organic compounds in the formation of invisible gold. <i>Acta Geochimica</i> , 2021, 40, 1050-1072.	1.7	3
56	Development of novel ultrafine grain Cu metal matrix composites reinforced with Ti-Cu-Co-M (M: Ni, Ti, Zr, Nb, Ta) / <i>Overlook</i> 10 (2018), 54, 349-360.	0.8	3
57	Past surface conditions and speleogenesis as inferred from cave sediments in the Great Cave of Ȃflitriari Mountain (SW Romania). <i>Studia Universitatis Babeş-Bolyai, Geologia</i> , 2010, 55, 51-57.	1.0	2
58	Correlations between Combustion Type Additives and Expansion after Extrusion of Clay Bricks. <i>Materials Science Forum</i> , 0, 659, 43-48.	0.3	2
59	Effect of Organic Additives on Friction Properties of Clay Based Compounds. <i>Materials Science Forum</i> , 0, 729, 403-408.	0.3	2
60	Effect of Ni and Zr on the microstructural evolution of Ti-based alloys during ball-milling. <i>Journal of Non-Crystalline Solids</i> , 2017, 473, 41-46.	3.1	2
61	Archaeometry of fire aided limnosilicite mining in the Ávas-TÁzskÁrves (Miskolc, NE-Hungary) Paleolithic silica source. <i>Materials and Manufacturing Processes</i> , 2020, 35, 1403-1409.	4.7	2
62	The role of SiO <sub>2</sub> and silica-rich amorphous materials in understanding the origin of uncommon archeological finds. <i>Materials and Manufacturing Processes</i> , 2020, 35, 1410-1419.	4.7	2
63	Metamorphic graphite from SzendrÁr (SzendrÁr Mts., NE-Hungary) detected by simultaneous DTA-TG. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	2
64	Synthesis, characterization, and challenges faced during the preparation of zirconium pillared clays. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103706.	4.9	2
65	Stability of cave phosphates: Case study from Liliecilor Cave (Trascu Mountains, Romania). <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2014, 191, 157-168.	0.3	1
66	Structural study of mordenite from Mátra Mts. (N-Hungary): dachiardite moduls reduce channel size in mordenite. <i>Resolution and Discovery</i> , 2017, 2, 1-4.	0.4	1
67	Smectite appearance in the footwall of the ÁrkÁt manganese ore deposit, Bakony Mts., Hungary. <i>Central European Geology</i> , 2019, 62, 100-118.	0.4	1
68	Carbon nanotube-zeolite composite catalyst - characterization and application. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 701-706.	2.4	1
69	Catalytic hydrogenation of n-butene with nanosized Pt/NBCNT hybrid membranes reinforced with bacterial cellulose. <i>Journal of Materials Science</i> , 2021, 56, 927-935.	3.7	1
70	Estimation of Phase Ratio in Bulk, Textured TWIP/TRIP Steels from Pole Figures. <i>Materials</i> , 2021, 14, 4132.	2.9	1
71	Vivianite formation as indicator of human impact in porous sediments. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	1
72	General pedological and mineralogical characteristics of the sediments in caves in the Árk Hills. <i>Ágrokemia Es Talajtan</i> , 2013, 62, 235-250.	0.2	1

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73	Ásszehasonlító archeometriai tégglavizsgálatok a DőI-Alföldön. Archaeologiai Ertesito, 2013, 138, 321-344.	0.0	0
74	New archaeometrical results related to Neolithic blueschist stone tools from Borsod-Abaúj-Zemplén County, Hungary. Journal of Archaeological Science: Reports, 2018, 17, 581-596.	0.5	0
75	Ironworking slags from Late Iron Age sites in Hungary - composition, microstructure and function. Materials and Manufacturing Processes, 2020, 35, 1527-1538.	4.7	0
76	Occurrence and significance of smectite in the Pliensbachian (Lower Jurassic) at Láskút (Bakony Mts.,) Tj ETQq0 0.0 r gBT /Oyerlock 10	0.4	0
77	Hazai Ipari Hulladék Innovatív Hasznosítási Lehetőségei ÁpÁanyagipari Célra. International Journal of Engineering and Management Sciences, 2019, 4, 203-212.	0.1	0