

Ferenc Kristály

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2430558/publications.pdf>

Version: 2024-02-01

77
papers

777
citations

687363

13
h-index

610901

24
g-index

77
all docs

77
docs citations

77
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	Amorphous alloys and differential scanning calorimetry (DSC). <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7141-7157.	3.6	20
2	Synthesis, characterization, and challenges faced during the preparation of zirconium pillared clays. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103706.	4.9	2
3	Structural differences and adsorption behaviour of alkaline metals doped zinc oxide nanoparticles. <i>Scientific Reports</i> , 2022, 12, 2292.	3.3	6
4	Preparation and Photocatalytic Performance of TiO ₂ Nanowire-Based Self-Supported Hybrid Membranes. <i>Molecules</i> , 2022, 27, 2951.	3.8	10
5	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
6	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
7	Lightweight composite from fly ash geopolymer and glass foam. <i>Journal of Sustainable Cement-Based Materials</i> , 2021, 10, 1-22.	3.1	15
8	Carbon nanotube-zeolite composite catalyst - characterization and application. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 701-706.	2.4	1
9	Investigation of nanocrystalline sintered W-25 wt% Cu composite. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 95, 105438.	3.8	12
10	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
11	Synthesis of iron oxide nanoparticles for DNA purification. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 693-700.	2.4	12
12	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
13	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). <i>Geological Society Special Publication</i> , 2021, 514, 269-289.	1.3	4
14	Development of Highly Efficient, Glassy Carbon Foam Supported, Palladium Catalysts for Hydrogenation of Nitrobenzene. <i>Nanomaterials</i> , 2021, 11, 1172.	4.1	3
15	Control of Carbon Dioxide Sequestration by Mechanical Activation of Red Mud. <i>Waste and Biomass Valorization</i> , 2021, 12, 6481-6495.	3.4	7
16	Occurrence and significance of smectite in the Pliensbachian (Lower Jurassic) at L ³ k ⁹ t (Bakony Mts.,) Tj ETQq0 0,0 rgBT /Oyerlock 10 0,4		
17	Development of magnetic, ferrite supported palladium catalysts for 2,4-dinitrotoluene hydrogenation. <i>Materials Today Chemistry</i> , 2021, 20, 100470.	3.5	9
18	Preparation of highly effective carbon black supported Pd-Pt bimetallic catalysts for nitrobenzene hydrogenation. <i>Nanotechnology</i> , 2021, 32, 425701.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Cellulose-based catalyst design for efficient chlorate reduction. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103202.	4.9	3
20	Estimation of Phase Ratio in Bulk, Textured TWIP/TRIP Steels from Pole Figures. <i>Materials</i> , 2021, 14, 4132.	2.9	1
21	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
22	Vivianite formation as indicator of human impact in porous sediments. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	1
23	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
24	Combustion method combined with sonochemical step for synthesis of maghemite-supported catalysts for the hydrogenation of 2,4-dinitrotoluene. <i>Catalysis Communications</i> , 2021, 159, 106342.	3.3	6
25	The effect of ball to powder ratio on the processing of a novel Mo-Cu-Al ₂ O ₃ composite. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 101, 105657.	3.8	5
26	Development of Nickel- and Magnetite-Promoted Carbonized Cellulose Bead-Supported Bimetallic Pd-Pt Catalysts for Hydrogenation of Chlorate Ions in Aqueous Solution. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11846.	4.1	5
27	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
28	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
29	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
30	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
31	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
32	Development of bacterial cellulose-ZnO-MWCNT hybrid membranes: a study of structural and mechanical properties. <i>Royal Society Open Science</i> , 2020, 7, 200592.	2.4	6
33	Ironworking slags from Late Iron Age sites in Hungary - composition, microstructure and function. <i>Materials and Manufacturing Processes</i> , 2020, 35, 1527-1538.	4.7	0
34	Archaeometry of fire aided limnosilicite mining in the Avas-Tázkányes (Miskolc, NE-Hungary) Paleolithic silica source. <i>Materials and Manufacturing Processes</i> , 2020, 35, 1403-1409.	4.7	2
35	The role of SiO ₂ 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
36	Temperature and Time Dependence of the Solvent-Induced Crystallization of Poly(l-lactide). <i>Polymers</i> , 2020, 12, 1065.	4.5	14

#	ARTICLE	IF	CITATIONS
37	Leaching mechanism of bioapatite in carbonate-saturated water. CrystEngComm, 2020, 22, 2788-2794.	2.6	3
38	Ultrasonic cavitation assisted deposition of catalytically active metals on nitrogen-doped and non-doped carbon nanotubes – A comparative study. Journal of Materials Research and Technology, 2020, 9, 4283-4291.	5.8	9
39	Application of carbon nanotube coated aluminosilicate beads as support-catalyst for hydrogenation of nitrobenzene. Journal of Industrial and Engineering Chemistry, 2019, 79, 307-313.	5.8	10
40	Î±-Cristobalite formation in ceramic tile and sewage pipe bodies derived from Westerwald ball clay and its effect on elastic-properties. Applied Clay Science, 2019, 178, 105126.	5.2	7
41	COMBINED UTILIZATION OF RED MUD AND MECHANICALLY ACTIVATED FLY ASH IN GEOPOLYMERS. Rudarsko Geolosko Naftni Zbornik, 2019, 34, 27-36.	0.5	13
42	Smectite appearance in the footwall of the ÁrkÁt manganese ore deposit, Bakony Mts., Hungary. Central European Geology, 2019, 62, 100-118.	0.4	1
43	Hazai Ipari HulladÁkok Innovatív HasznosÁtÁsi LehetÁsÁgei Á%pÁtÁanyagipari CÅlra. International Journal of Engineering and Management Sciences, 2019, 4, 203-212.	0.1	0
44	New archaeometrical results related to Neolithic blueschist stone tools from Borsod-AbaÁj-ZemplÅn County, Hungary. Journal of Archaeological Science: Reports, 2018, 17, 581-596.	0.5	0
45	Hydrogenation of nitrobenzene over a composite catalyst based on zeolite supported N-doped carbon nanotubes decorated with palladium. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 583-593.	1.7	8
46	Development and Application of CarbonÁLayerÁStabilized, NitrogenÁDoped, BambooÁLike Carbon Nanotube Catalysts in CO ₂ Hydrogenation. ChemistryOpen, 2018, 7, 789-796.	1.9	9
47	Phase Transformation and Morphology Evolution of Ti ₅₀ Cu ₂₅ Ni ₂₀ Sn ₅ during Mechanical Milling. Materials, 2018, 11, 1769.	2.9	5
48	The influence of mechanical activation on the nanostructure of zeolite. Journal of Materials Science, 2018, 53, 13779-13789.	3.7	10
49	Development of novel ultrafine grain cu metal matrix composites reinforced with Ti-Cu-Co-M (M: Ni, Tj ETQq1 1 0.784314 rgBT /Over 2018, 54, 349-360.	0.8	3
50	Low temperature rehydration of thermally dehydroxylated BayerÁgibbsite, evolution and transformation of phases. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1353-1365.	3.6	4
51	Mechanical activation of fly ash and its influence on micro and nano-structural behaviour of resulting geopolymers. Advanced Powder Technology, 2017, 28, 805-813.	4.1	111
52	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
53	Effect of Ni and Zr on the microstructural evolution of Ti-based alloys during ball-milling. Journal of Non-Crystalline Solids, 2017, 473, 41-46.	3.1	2
54	Structural study of mordenite from MÅtra Mts. (N-Hungary): dachiardite moduls reduce channel size in mordenite. Resolution and Discovery, 2017, 2, 1-4.	0.4	1

#	ARTICLE	IF	CITATIONS
55	Physicochemical, mineralogical and radiological properties of red mud samples as secondary raw materials. Nuclear Technology and Radiation Protection, 2017, 32, 261-266.	0.8	14
56	Characterization and Catalytic Activity of Different Carbon Supported Pd Nanocomposites. Catalysis Letters, 2016, 146, 2268-2277.	2.6	8
57	Investigation Of Intermetallic Compounds In Sn-Cu-Ni Lead-Free Solders. Archives of Metallurgy and Materials, 2015, 60, 1511-1515.	0.6	7
58	Kinetics of shift of individual interfaces in Ni/Si system during low temperature reactions. Microelectronic Engineering, 2015, 134, 14-21.	2.4	3
59	The origin of the Avram Iancu Uâ€“Niâ€“Coâ€“Biâ€“As mineralization, BĂfiÅ£a (Bihor) metallogenic district, Bihor Mts., Romania. International Journal of Earth Sciences, 2015, 104, 1865-1887.	1.8	5
60	Synthesis and 1-butene hydrogenation activity of platinum decorated bamboo-shaped multiwall carbon nanotubes. Reaction Kinetics, Mechanisms and Catalysis, 2015, 116, 371-383.	1.7	7
61	Geopolymerisation behaviour of size fractioned fly ash. Advanced Powder Technology, 2015, 26, 24-30.	4.1	95
62	Mechanical Activation of Deposited Brown Coal Fly Ash in Stirred Media Mill. Acta Physica Polonica A, 2014, 126, 988-993.	0.5	6
63	Stability of cave phosphates: Case study from Liliacilor Cave (Trascu Mountains, Romania). Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2014, 191, 157-168.	0.3	1
64	Grain boundary diffusion induced reaction layer formation in Fe/Pt thin films. Applied Physics A: Materials Science and Processing, 2014, 115, 203-211.	2.3	24
65	Forsterite Nanopowder: Structural Characterization and Biocompatibility Evaluation. Journal of Materials Science and Technology, 2013, 29, 628-632.	10.7	55
66	Ã–sszehasonlÃ–tÃ– ³ archeometriai tÃ–glavizsgÃ–latok a DÃ–l-AlfÃ–ldÃ–n. Archaeologiai Ertesito, 2013, 138, 321-344.	0.0	0
67	General pedological and mineralogical characteristics of the sediments in caves in the BÃ–kk Hills. Agrokemia Es Talajtan, 2013, 62, 235-250.	0.2	1
68	Detailed clay mineralogy of the Triassic-Jurassic boundary section at Kendlbachgraben (Northern) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 2	0.6	27
69	MINERALOGICAL INVESTIGATIONS OF MEDIEVAL BRICK SAMPLES FROM BÃ–KS COUNTY (SE HUNGARY). Archaeometry, 2012, 54, 250-266.	1.3	8
70	Mineralogy of Iza Cave (Rodnei Mountains, N. Romania). International Journal of Speleology, 2011, 40, 171-179.	1.0	14
71	Past surface conditions and speleogenesis as inferred from cave sediments in the Great Cave of È–flitrari Mountain (SW Romania). Studia Universitatis Babes-Bolyai, Geologia, 2010, 55, 51-57.	1.0	2
72	Effects of Extruder Headâ€™s Geometry on the Properties of Extruded Ceramic Products. Materials Science Forum, 2010, 659, 499-504.	0.3	9

#	ARTICLE	IF	CITATIONS
73	Remnants of organic pore-forming additives in conventional clay brickmaterials: Optical Microscopy and Scanning Electron Microscopy study. <i>Á%pÁtÁ'anyag: Journal of Silicate Based and Composite Materials</i> , 2008, 60, 34-38.	0.2	8
74	The Transformation of Added Vegetal Waste Materials during Clay Brick Firing. <i>Materials Science Forum</i> , 0, 659, 37-42.	0.3	4
75	Correlations between Combustion Type Additives and Expansion after Extrusion of Clay Bricks. <i>Materials Science Forum</i> , 0, 659, 43-48.	0.3	2
76	Effect of Organic Additives on Friction Properties of Clay Based Compounds. <i>Materials Science Forum</i> , 0, 729, 403-408.	0.3	2
77	Metamorphic graphite from SzendrÁ'Ád (SzendrÁ' Mts., NE-Hungary) detected by simultaneous DTA-TG. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	2