

Radek Å evÄÄ-k

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

532
citations

759233

12
h-index

642732

23
g-index

34
all docs

34
docs citations

34
times ranked

659
citing authors

#	ARTICLE	IF	CITATIONS
1	Amorphous and crystalline calcium carbonate phases during carbonation of nanolimes: implications in heritage conservation. <i>CrystEngComm</i> , 2016, 18, 6594-6607.	2.6	83
2	Physical and nanomechanical properties of the synthetic anhydrous crystalline CaCO ₃ polymorphs: vaterite, aragonite and calcite. <i>Journal of Materials Science</i> , 2018, 53, 4022-4033.	3.7	74
3	Characterization of vaterite synthesized at various temperatures and stirring velocities without use of additives. <i>Powder Technology</i> , 2015, 284, 265-271.	4.2	58
4	Biomass fly ash as an alternative to coal fly ash in blended cements: Functional aspects. <i>Construction and Building Materials</i> , 2021, 271, 121544.	7.2	43
5	Determination of optimal burning temperature ranges for production of natural hydraulic limes. <i>Construction and Building Materials</i> , 2014, 66, 771-780.	7.2	39
6	The use of mineralogical indicators for the assessment of firing temperature in fired-clay bodies. <i>Applied Clay Science</i> , 2018, 163, 108-118.	5.2	21
7	Localized quantification of anhydrous calcium carbonate polymorphs using micro-Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2018, 95, 1-6.	2.2	20
8	Micro-Raman spectroscopy investigation of the carbonation reaction in a lime paste produced with a traditional technology. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1452-1457.	2.5	18
9	Influence of linseed oil on the microstructure and composition of lime and lime-metakaolin pastes after a long curing time. <i>Construction and Building Materials</i> , 2018, 189, 787-796.	7.2	17
10	Assessment of firing conditions in old fired-clay bricks: The contribution of X-ray powder diffraction with the Rietveld method and small angle neutron scattering. <i>Materials Characterization</i> , 2016, 116, 33-43.	4.4	15
11	Synthetic calcium carbonate improves the effectiveness of treatments with nanolime to contrast decay in highly porous limestone. <i>Scientific Reports</i> , 2019, 9, 15278.	3.3	15
12	Microstructural analysis of lime paste with the addition of linseed oil, stand oil, and rapeseed oil. <i>Construction and Building Materials</i> , 2020, 238, 117780.	7.2	15
13	Formation and decomplexation kinetics of copper(II) complexes with cyclen derivatives having mixed carboxylate and phosphonate pendant arms. <i>Dalton Transactions</i> , 2016, 45, 12723-12733.	3.3	13
14	Lanthanide(III) Complexes of 4,7,10-Tris(phosphonomethyl)-1,4,7,10-tetraazacyclododecan-1-yl]acetic Acid (H ₇ DOA3P): Multinuclear NMR and Kinetic Studies. <i>Helvetica Chimica Acta</i> , 2009, 92, 2398-2413.	1.6	11
15	Lightweight blended building waste in the production of innovative cement-based composites for sustainable construction. <i>Construction and Building Materials</i> , 2021, 299, 123933.	7.2	11
16	Evolution of fine microstructure during firing of extruded clays: A small angle neutron scattering study. <i>Applied Clay Science</i> , 2018, 166, 1-8.	5.2	10
17	Effect of Cyclotriphosphazene-Based Curing Agents on the Flame Resistance of Epoxy Resins. <i>Polymers</i> , 2021, 13, 8.	4.5	10
18	Formation and dissociation kinetics of copper(II) complexes with tetraphosphorus acid DOTA analogs. <i>Polyhedron</i> , 2014, 67, 449-455.	2.2	9

#	ARTICLE	IF	CITATIONS
19	The Design and Material Characterization of Reclaimed Asphalt Pavement Enriched Concrete for Construction Purposes. <i>Materials</i> , 2020, 13, 4986.	2.9	8
20	Investigation of nano-microstructural changes in Maastricht limestone after treatment with nanolime suspension. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	7
21	Impact of nanosilica on lime restoration mortars properties. <i>Journal of Cultural Heritage</i> , 2022, 55, 210-220.	3.3	7
22	Influence of additions of synthetic anhydrous calcium carbonate polymorphs on nanolime carbonation. <i>Construction and Building Materials</i> , 2019, 228, 116802.	7.2	6
23	CaCO ₃ Polymorphs Used as Additives in Filament Production for 3D Printing. <i>Polymers</i> , 2022, 14, 199.	4.5	6
24	Tris(phosphonomethyl)cyclen Derivatives: Thermodynamic Stability, Kinetics, Solution Structure, and Relaxivity of Ln ³⁺ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2548-2559.	2.0	5
25	Crystallization of Aragonite from Vaterite Precursor during Various Refluxing Times. <i>Advanced Materials Research</i> , 0, 1119, 466-470.	0.3	4
26	Lightweight Concretes with Improved Water and Water Vapor Transport for Remediation of Damp Induced Buildings. <i>Materials</i> , 2021, 14, 5902.	2.9	4
27	Properties of reclaimed asphalt pavement enriched concrete. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
28	Role of Compactness on Hardness and Reduced Modulus of Vaterite Determined with Nanoindentation. <i>Structural Integrity</i> , 2019, , 3-8.	1.4	1
29	The role of processing procedures on properties of waste tires recycled products. , 2021, , .		1
30	Preliminary Study of the Pozzolanic Activity of Dumped Mine Wastes Obtained from the North Bohemian Basin in the Czech Republic. <i>Medziagotyra</i> , 2017, 23, .	0.2	0
31	Influence of Sample Preparation on Determined Nanomechanical Properties of Metastable Calcium Carbonate Polymorphs. <i>Structural Integrity</i> , , 3-7.	1.4	0
32	Waste tires and their material recycling. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	0