

Angelika Kmita

List of Publications by Year in descending order

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papers

527
citations

687363

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713466

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46
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docs citations

46
times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal decomposition of foundry resins: A determination of organic products by thermogravimetry–gas chromatography–mass spectrometry (TG–GC–MS). Arabian Journal of Chemistry, 2018, 11, 380-387.	4.9	43
2	High-Entropy Perovskites as Multifunctional Metal Oxide Semiconductors: Synthesis and Characterization of (Gd _{0.2} Nd _{0.2} La _{0.2} Sm _{0.2} Y _{0.2})CoO ₃ . ACS Applied Electronic Materials, 2020, 2, 3211-3220.	4.3	43
3	Enhanced hyperthermic properties of biocompatible zinc ferrite nanoparticles with a charged polysaccharide coating. Journal of Materials Chemistry B, 2019, 7, 2962-2973.	5.8	36
4	Use of Specific Properties of Zinc Ferrite in Innovative Technologies. Archives of Metallurgy and Materials, 2016, 61, 2141-2146.	0.6	31
5	Biorefinery Approach for Aerogels. Polymers, 2020, 12, 2779.	4.5	31
6	A Hybrid System for Magnetic Hyperthermia and Drug Delivery: SPION Functionalized by Curcumin Conjugate. Materials, 2018, 11, 2388.	2.9	30
7	One-Step Synthesis of Long Term Stable Superparamagnetic Colloid of Zinc Ferrite Nanorods in Water. Materials, 2019, 12, 1048.	2.9	28
8	Pyrolysis of organic ester cured alkaline phenolic resin: Identification of products. Journal of Analytical and Applied Pyrolysis, 2018, 129, 6-12.	5.5	27
9	Highly Luminescent Ag–In–Zn–S Quaternary Nanocrystals: Growth Mechanism and Surface Chemistry Elucidation. Inorganic Chemistry, 2019, 58, 1358-1370.	4.0	27
10	Influence of a Reclaimed Sand Addition to Moulding Sand with Furan Resin on Its Impact on the Environment. Water, Air, and Soil Pollution, 2016, 227, 16.	2.4	24
11	Synthesis of ZnO Nanoparticles by Thermal Decomposition of Basic Zinc Carbonate. Archives of Metallurgy and Materials, 2013, 58, 489-491.	0.6	21
12	Effect of Magnesium Oxide Nanoparticles on Water Glass Structure. Archives of Foundry Engineering, 2012, 12, 9-12.	0.4	15
13	Synthesis of CuFeS ₂ -xSex alloyed nanocrystals with localized surface plasmon resonance in the visible spectral range. Journal of Materials Chemistry C, 2019, 7, 6246-6250.	5.5	14
14	Mold and Core Sands in Metalcasting: Chemistry and Ecology. , 2020, , .		14
15	The decomposition process and kinetic analysis of commercial binder based on phenol-formaldehyde resin, using in metal casting. Applied Thermal Engineering, 2019, 156, 263-275.	6.0	12
16	Environmental Impact of the Reclaimed Sand Addition to Molding Sand with Furan and Phenol-Formaldehyde Resin—A Comparison. Materials, 2020, 13, 4395.	2.9	12
17	Gradient of zinc content in core–shell zinc ferrite nanoparticles – precise study on composition and magnetic properties. Physical Chemistry Chemical Physics, 2019, 21, 23473-23484.	2.8	9
18	One-Step Preparation of Highly Stable Copper–Zinc Ferrite Nanoparticles in Water Suitable for MRI Thermometry. Chemistry of Materials, 2022, 34, 4001-4018.	6.7	9

#	ARTICLE	IF	CITATIONS
19	Influence of the Hardener on the Emission of Harmful Substances from Moulding Sands with Furan Resin in the Pyrolysis Process. Archives of Foundry Engineering, 2016, 16, 107-111.	0.4	8
20	Evaluation of pyrolysis and combustion products from foundry binders: potential hazards in metal casting. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2347-2356.	3.6	8
21	From Ag ₂ S to luminescent AgInS nanocrystals <i>via</i> an ultrasonic method <i>an in situ</i> synthesis study in an NMR tube. Journal of Materials Chemistry C, 2020, 8, 8942-8952.	5.5	8
22	Heterogeneity induced dual luminescence properties of AgInS ₂ and AgInS ₂ â€ZnS alloyed nanocrystals. Inorganic Chemistry Frontiers, 2021, 8, 3450-3462.	6.0	8
23	Effect of Water Glass Modification on Its Viscosity and Wettability of Quartz Grains. Archives of Foundry Engineering, 2012, 12, 59-62.	0.4	7
24	Selective magnetometry of superparamagnetic iron oxide nanoparticles in liquids. Nanoscale, 2020, 12, 16420-16426.	5.6	7
25	Effect of Thermal Treatment at Inert Atmosphere on Structural and Magnetic Properties of Non-stoichiometric Zinc Ferrite Nanoparticles. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1632-1648.	2.2	7
26	Indium(II) Chloride as a Precursor in the Synthesis of Ternary (Agâ€Inâ€S) and Quaternary (Agâ€Inâ€Znâ€S) Nanocrystals. Chemistry of Materials, 2022, 34, 809-825.	6.7	7
27	Nanocomposites Based on Water Glass Matrix as a Foundry Binder: Chosen Physicochemical Properties. Archives of Foundry Engineering, 2017, 17, 93-98.	0.4	6
28	Impact of electro slag remelting on 14 109 steel properties. Archives of Metallurgy and Materials, 2017, 62, 181-185.	0.6	5
29	Adhesive hybrid nanocomposites for potential applications in moulding sands technology. Composites Part B: Engineering, 2018, 146, 124-131.	12.0	5
30	Water Glass Modification and its Impact on the Mechanical Properties of Moulding Sands. Archives of Foundry Engineering, 2013, 13, 81-84.	0.4	4
31	Elution of Mixed Moulding Sands with the GEOPOL Binder and Core Sands with the Phenolic Resin. Archives of Foundry Engineering, 2013, 13, 53-56.	0.4	4
32	Utilisation of nanoparticles in technologies of producing castings for the needs of power engineering. Nanomaterials and Energy, 2014, 3, 53-60.	0.2	3
33	The influence of motorisation on the climate warming. International Journal of Global Warming, 2017, 11, 495.	0.5	3
34	Research on the Release of Dangerous Compounds from the BTEX and PAHs Groups in Industrial Casting Conditions. Materials, 2021, 14, 2581.	2.9	3
35	Influence of Reclamation Process on the Ecological Quality of Reclaim Sand. Archives of Foundry Engineering, 2017, 17, 43-46.	0.4	2
36	Sodium Silicate Molding Sands. , 2020, , 219-241.		2

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37	Morphology and Structure of ZnO Nanoparticles Produced by Electrochemical Method. Medziagotyra, 2014, 20, .	0.2	1
38	Assessment of the Harmfulness of the Slags from Copper Smelting Processes, in an Aspect of their Management. Archives of Foundry Engineering, 2017, 17, 191-195.	0.4	1
39	Gas Evolution Rates of Graphite Protective Coatings in Dependence on the Applied Solvent and Kind of Atmosphere. Archives of Metallurgy and Materials, 2016, 61, 2129-2134.	0.6	1
40	Gas-Hardened Processes (Cold-Box)., 2020, , 185-204.		1
41	Implementation of Nanoparticles in Materials Applied in Foundry Engineering. Archives of Foundry Engineering, 2017, 17, 205-209.	0.4	0
42	Reclaiming Ability of Spent Sands with Modified, Hydrated Sodium Silicate. Archives of Foundry Engineering, 2014, 14, 41-44.	0.4	0
43	Influence of the Technology of Molding and Core Sands on the Environment and Working Conditions: Summary. , 2020, , 333-346.		0
44	Synthetic Resins. , 2020, , 83-110.		0
45	Cold-Setting Processes (No-Bake). , 2020, , 145-184.		0