

# Angelika Kmita

## List of Publications by Year in descending order

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45  
papers

527  
citations

687363

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Indium(II) Chloride as a Precursor in the Synthesis of Ternary (Ag <sup>2+</sup> In <sup>3+</sup> S) and Quaternary (Ag <sup>2+</sup> In <sup>3+</sup> Zn <sup>2+</sup> S) Nanocrystals. <i>Chemistry of Materials</i> , 2022, 34, 809-825.	6.7	7
2	One-Step Preparation of Highly Stable Copper <sup>2+</sup> Zinc Ferrite Nanoparticles in Water Suitable for MRI Thermometry. <i>Chemistry of Materials</i> , 2022, 34, 4001-4018.	6.7	9
3	Heterogeneity induced dual luminescence properties of AgInS <sub>2</sub> and AgInS <sub>2</sub> â€ZnS alloyed nanocrystals. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3450-3462.	6.0	8
4	Effect of Thermal Treatment at Inert Atmosphere on Structural and Magnetic Properties of Non-stoichiometric Zinc Ferrite Nanoparticles. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 1632-1648.	2.2	7
5	Research on the Release of Dangerous Compounds from the BTEX and PAHs Groups in Industrial Casting Conditions. <i>Materials</i> , 2021, 14, 2581.	2.9	3
6	Evaluation of pyrolysis and combustion products from foundry binders: potential hazards in metal casting. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2347-2356.	3.6	8
7	Environmental Impact of the Reclaimed Sand Addition to Molding Sand with Furan and Phenol-Formaldehyde Resinâ€A Comparison. <i>Materials</i> , 2020, 13, 4395.	2.9	12
8	Biorefinery Approach for Aerogels. <i>Polymers</i> , 2020, 12, 2779.	4.5	31
9	Selective magnetometry of superparamagnetic iron oxide nanoparticles in liquids. <i>Nanoscale</i> , 2020, 12, 16420-16426.	5.6	7
10	Mold and Core Sands in Metalcasting: Chemistry and Ecology. , 2020, , .		14
11	High-Entropy Perovskites as Multifunctional Metal Oxide Semiconductors: Synthesis and Characterization of (Gd <sub>0.2</sub> Nd <sub>0.2</sub> La <sub>0.2</sub> Sm <sub>0.2</sub> Y <sub>0.2</sub> )CoO <sub>3</sub> . <sup>4.3</sup> <i>ACS Applied Electronic Materials</i> , 2020, 2, 3211-3220.	4.3	43
12	From Ag <sub>2</sub> S to luminescent Ag <sup>+</sup> In <sup>3+</sup> S nanocrystals <i>via</i> an ultrasonic method â€ an <i>in situ</i> synthesis study in an NMR tube. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8942-8952.	5.5	8
13	Sodium Silicate Molding Sands. , 2020, , 219-241.		2
14	Influence of the Technology of Molding and Core Sands on the Environment and Working Conditions: Summary. , 2020, , 333-346.		0
15	Gas-Hardened Processes (Cold-Box). , 2020, , 185-204.		1
16	Synthetic Resins. , 2020, , 83-110.		0
17	Cold-Setting Processes (No-Bake). , 2020, , 145-184.		0
18	One-Step Synthesis of Long Term Stable Superparamagnetic Colloid of Zinc Ferrite Nanorods in Water. <i>Materials</i> , 2019, 12, 1048.	2.9	28

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19	Synthesis of CuFeS <sub>2</sub> -xSex alloyed nanocrystals with localized surface plasmon resonance in the visible spectral range. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6246-6250.	5.5	14
20	The decomposition process and kinetic analysis of commercial binder based on phenol-formaldehyde resin, using in metal casting. <i>Applied Thermal Engineering</i> , 2019, 156, 263-275.	6.0	12
21	Enhanced hyperthermic properties of biocompatible zinc ferrite nanoparticles with a charged polysaccharide coating. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2962-2973.	5.8	36
22	Gradient of zinc content in core-shell zinc ferrite nanoparticles – precise study on composition and magnetic properties. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23473-23484.	2.8	9
23	Highly Luminescent Ag-In-Zn-S Quaternary Nanocrystals: Growth Mechanism and Surface Chemistry Elucidation. <i>Inorganic Chemistry</i> , 2019, 58, 1358-1370.	4.0	27
24	Pyrolysis of organic ester cured alkaline phenolic resin: Identification of products. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 129, 6-12.	5.5	27
25	Adhesive hybrid nanocomposites for potential applications in moulding sands technology. <i>Composites Part B: Engineering</i> , 2018, 146, 124-131.	12.0	5
26	Thermal decomposition of foundry resins: A determination of organic products by thermogravimetry-gas chromatography-mass spectrometry (TG-GC-MS). <i>Arabian Journal of Chemistry</i> , 2018, 11, 380-387.	4.9	43
27	A Hybrid System for Magnetic Hyperthermia and Drug Delivery: SPION Functionalized by Curcumin Conjugate. <i>Materials</i> , 2018, 11, 2388.	2.9	30
28	Nanocomposites Based on Water Glass Matrix as a Foundry Binder: Chosen Physicochemical Properties. <i>Archives of Foundry Engineering</i> , 2017, 17, 93-98.	0.4	6
29	The influence of motorisation on the climate warming. <i>International Journal of Global Warming</i> , 2017, 11, 495.	0.5	3
30	Impact of electro slag remelting on 14 109 steel properties. <i>Archives of Metallurgy and Materials</i> , 2017, 62, 181-185.	0.6	5
31	Implementation of Nanoparticles in Materials Applied in Foundry Engineering. <i>Archives of Foundry Engineering</i> , 2017, 17, 205-209.	0.4	0
32	Assessment of the Harmfulness of the Slags from Copper Smelting Processes, in an Aspect of their Management. <i>Archives of Foundry Engineering</i> , 2017, 17, 191-195.	0.4	1
33	Influence of Reclamation Process on the Ecological Quality of Reclaim Sand. <i>Archives of Foundry Engineering</i> , 2017, 17, 43-46.	0.4	2
34	Use of Specific Properties of Zinc Ferrite in Innovative Technologies. <i>Archives of Metallurgy and Materials</i> , 2016, 61, 2141-2146.	0.6	31
35	Influence of the Hardener on the Emission of Harmful Substances from Moulding Sands with Furan Resin in the Pyrolysis Process. <i>Archives of Foundry Engineering</i> , 2016, 16, 107-111.	0.4	8
36	Influence of a Reclaimed Sand Addition to Moulding Sand with Furan Resin on Its Impact on the Environment. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 16.	2.4	24

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37	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
38	Morphology and Structure of ZnO Nanoparticles Produced by Electrochemical Method. Medziagotyra, 2014, 20, .	0.2	1
39	Utilisation of nanoparticles in technologies of producing castings for the needs of power engineering. Nanomaterials and Energy, 2014, 3, 53-60.	0.2	3
40	Reclaiming Ability of Spent Sands with Modified, Hydrated Sodium Silicate. Archives of Foundry Engineering, 2014, 14, 41-44.	0.4	0
41	Synthesis of ZnO Nanoparticles by Thermal Decomposition of Basic Zinc Carbonate. Archives of Metallurgy and Materials, 2013, 58, 489-491.	0.6	21
42	Water Glass Modification and its Impact on the Mechanical Properties of Moulding Sands. Archives of Foundry Engineering, 2013, 13, 81-84.	0.4	4
43	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
44	Effect of Water Glass Modification on Its Viscosity and Wettability of Quartz Grains. Archives of Foundry Engineering, 2012, 12, 59-62.	0.4	7
45	Effect of Magnesium Oxide Nanoparticles on Water Glass Structure. Archives of Foundry Engineering, 2012, 12, 9-12.	0.4	15