

Lukasz Laskowski

List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Environmental and industrial developments in radiation cataractogenesis. <i>International Journal of Radiation Biology</i> , 2022, 98, 1074-1082.	1.0	6
2	Effects of shape on magnetization switching in systems of magnetic elongated nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 545, 168685.	1.0	6
3	Structure and Properties of Copper Pyrophosphate by First-Principle Calculations. <i>Materials</i> , 2022, 15, 842.	1.3	3
4	Carbon-Supported Noble-Metal Nanoparticles for Catalytic Applications—A Review. <i>Crystals</i> , 2022, 12, 584.	1.0	18
5	All That Glitters Is Not Silver—A New Look at Microbiological and Medical Applications of Silver Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 854.	1.8	42
6	A Low-Dimensional Layout of Magnetic Units as Nano-Systems of Combinatorial Logic: Numerical Simulations. <i>Materials</i> , 2021, 14, 2974.	1.3	1
7	Synthesis of Vertically Aligned Porous Silica Thin Films Functionalized by Silver Ions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7505.	1.8	4
8	Ab initio studies for characterization and identification of nanocrystalline copper pyrophosphate confined in mesoporous silica. <i>Nanotechnology</i> , 2021, 32, 415701.	1.3	6
9	Pyridine Derivatives—A New Class of Compounds That Are Toxic to E. coli K12, R2—R4 Strains. <i>Materials</i> , 2021, 14, 5401.	1.3	14
10	AC Susceptibility Studies of Magnetic Relaxation in Mn12-Stearate SMMs on the Spherical Silica Surface. <i>Magnetochemistry</i> , 2021, 7, 122.	1.0	3
11	Influence of Aging on the Structure and Magnetic Properties of Surface-Deposited Single-Molecule Magnets. <i>Materials Proceedings</i> , 2021, 4, 81.	0.2	0
12	Spherical Silica Functionalized by 2-Naphthalene Methanol Luminophores as a Phosphorescence Sensor. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13289.	1.8	2
13	Dynamics of Pyrrolidinium-Based Ionic Liquids under Confinement. II. The Effects of Pore Size, Inner Surface, and Cationic Alkyl Chain Length. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5395-5408.	1.5	24
14	Aging effect on the magnetic properties of Mn12-stearate single-molecule magnets anchored onto the surface of spherical silica nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 261, 114670.	1.7	4
15	Nanostructured Silica with Anchoring Units: The 2D Solid Solvent for Molecules and Metal Ions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8137.	1.8	10
16	Synthesis in Silica Nanoreactor: Copper Pyrophosphate Quantum Dots and Silver Oxide Nanocrystallites Inside Silica Mezochannels. <i>Materials</i> , 2020, 13, 2009.	1.3	5
17	Effect of Surface Chemistry on the Glass-Transition Dynamics of Poly(phenyl methyl siloxane) Confined in Alumina Nanopores. <i>Langmuir</i> , 2020, 36, 7553-7565.	1.6	15
18	Magnetic Behaviour of Mn12-Stearate Single-Molecule Magnets Immobilized on the Surface of 300 nm Spherical Silica Nanoparticles. <i>Materials</i> , 2020, 13, 2624.	1.3	9

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19	Nanocomposite for photonics " Nickel pyrophosphate nanocrystals synthesised in silica nanoreactors. Microporous and Mesoporous Materials, 2020, 306, 110435.	2.2	15
20	Evolutionary Algorithm with a Configurable Search Mechanism. Journal of Artificial Intelligence and Soft Computing Research, 2020, 10, 151-171.	3.5	15
21	An Algorithm for the Evolutionary-Fuzzy Generation of on-Line Signature Hybrid Descriptors. Journal of Artificial Intelligence and Soft Computing Research, 2020, 10, 173-187.	3.5	9
22	Mesoporous Silica-Based Materials for Electronics-Oriented Applications. Molecules, 2019, 24, 2395.	1.7	59
23	Magnetic behaviour of Mn ²⁺ -stearate single-molecule magnets immobilized inside SBA-15 mesoporous silica matrix. Journal of Magnetism and Magnetic Materials, 2019, 478, 20-27.	1.0	12
24	The Separation of the Mn ²⁺ Single-Molecule Magnets onto Spherical Silica Nanoparticles. Nanomaterials, 2019, 9, 764.	1.9	13
25	Effect of Surface Modification on the Glass Transition Dynamics of Highly Polar Molecular Liquid S-Methoxy-PC Confined in Anodic Aluminum Oxide Nanopores. Journal of Physical Chemistry C, 2019, 123, 13365-13376.	1.5	16
26	Surface functionalization by silver-containing molecules with controlled distribution of functionalities. Applied Surface Science, 2019, 481, 433-436.	3.1	12
27	How to Control the Distribution of Anchored, Mn ²⁺ -Stearate, Single-Molecule Magnets. Nanomaterials, 2019, 9, 1730.	1.9	10
28	Vertically aligned porous silica thin films functionalized by nickel chloride incorporated in walls. Microporous and Mesoporous Materials, 2019, 276, 201-206.	2.2	5
29	Multi-step functionalization procedure for fabrication of vertically aligned mesoporous silica thin films with metal-containing molecules localized at the pores bottom. Microporous and Mesoporous Materials, 2019, 274, 356-362.	2.2	17
30	Porous Silica-Based Optoelectronic Elements as Interconnection Weights in Molecular Neural Networks. Lecture Notes in Computer Science, 2018, , 130-135.	1.0	1
31	Functionalized mesoporous silica thin films as a tunable nonlinear optical material. Nanoscale, 2017, 9, 12110-12123.	2.8	22
32	New Class of Antimicrobial Agents: SBA-15 Silica Containing Anchored Copper Ions. Journal of Nanomaterials, 2017, 2017, 1-12.	1.5	18
33	Porous Silica Templated Nanomaterials for Artificial Intelligence and IT Technologies. Lecture Notes in Computer Science, 2017, , 509-517.	1.0	0
34	Influence of the Copper-Containing SBA-15 Silica Fillers on the Mechanical Properties of High Density Polyethylene. Journal of Nanomaterials, 2016, 2016, 1-8.	1.5	4
35	Iron Doped SBA-15 Mesoporous Silica Studied by Mössbauer Spectroscopy. Journal of Nanomaterials, 2016, 2016, 1-6.	1.5	7
36	Relaxation and magnetocaloric effect in the Mn ²⁺ molecular nanomagnet incorporated into mesoporous silica: a comparative study. RSC Advances, 2016, 6, 49179-49186.	1.7	13

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37	The Concept of Molecular Neurons. Lecture Notes in Computer Science, 2016, , 494-501.	1.0	2
38	SBA-15 mesoporous silica free-standing thin films containing copper ions bounded via propyl phosphonate units - preparation and characterization. Journal of Solid State Chemistry, 2016, 241, 143-151.	1.4	9
39	Associative Memory Idea in a Nano-Environment. Lecture Notes in Computer Science, 2016, , 535-545.	1.0	0
40	Self-Correcting Neural Network for Stereo-matching Problem Solving. Fundamenta Informaticae, 2015, 138, 457-482.	0.3	4
41	Molecular Approach to Hopfield Neural Network. Lecture Notes in Computer Science, 2015, , 72-78.	1.0	13
42	SBA-15 mesoporous silica activated by metal ions – Verification of molecular structure on the basis of Raman spectroscopy supported by numerical simulations. Journal of Molecular Structure, 2015, 1100, 21-26.	1.8	15
43	Extensions of Hopfield Neural Networks for Solving of Stereo-Matching Problem. Lecture Notes in Computer Science, 2015, , 59-71.	1.0	3
44	Functionalization of SBA-15 mesoporous silica by Cu-phosphonate units: Probing of synthesis route. Journal of Solid State Chemistry, 2014, 220, 221-226.	1.4	30
45	Mesoporous silica SBA-15 functionalized by nickel – phosphonic units: Raman and magnetic analysis. Microporous and Mesoporous Materials, 2014, 200, 253-259.	2.2	28
46	Spin-glass Implementation of a Hopfield Neural Structure. Lecture Notes in Computer Science, 2014, , 89-96.	1.0	14
47	A novel hybrid-maximum neural network in stereo-matching process. Neural Computing and Applications, 2013, 23, 2435-2450.	3.2	31
48	Some Aspects of Neural Network State Variable Estimator Improvement in Induction Motor Drive. Lecture Notes in Computer Science, 2013, , 88-95.	1.0	0
49	Objects Auto-selection from Stereo-Images Realised by Self-Correcting Neural Network. Lecture Notes in Computer Science, 2012, , 119-125.	1.0	13
50	System for Independent Living – New Opportunity for Visually Impaired. Lecture Notes in Computer Science, 2012, , 645-652.	1.0	2
51	Synthesis and optical behaviour of mesoporous silica functionalized by organometallic molecules. Journal of Physics: Conference Series, 2011, 289, 012024.	0.3	1
52	Hybrid-Maximum Neural Network for Depth Analysis from Stereo-Image. Lecture Notes in Computer Science, 2010, , 47-55.	1.0	15
53	A Novel Continuous Dual Mode Neural Network in Stereo-Matching Process. Lecture Notes in Computer Science, 2010, , 294-297.	1.0	12
54	Magnetic behaviour of nickel-cyclam complexes in mesoporous silica: EPR investigations. Journal of Physics Condensed Matter, 2009, 21, 076004.	0.7	5

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55	Resonance dielectric dispersion of TEA-CoCl ₂ Br ₂ nanocrystals incorporated into the PMMA matrix. Journal of Physics Condensed Matter, 2008, 20, 365215.	0.7	13
56	Dielectric relaxation of (N(C ₂ H ₅) ₄) ₂ CoCl ₂ Br ₂ nanocrystallites incorporated into the PMMA matrix. Journal of Non-Crystalline Solids, 2007, 353, 4353-4356.	1.5	18
57	Hybrid Core~Shell Nanocomposites Based on Silicon Carbide Nanoparticles Functionalized by Conducting Polyaniline:~ Electron Paramagnetic Resonance Investigations. Journal of Physical Chemistry C, 2007, 111, 11544-11551.	1.5	39
58	Dielectric and EPR investigations of stoichiometry and interface effects in silicon carbide nanoparticles. Journal of Physics Condensed Matter, 2006, 18, 1143-1155.	0.7	13
59	Effect of the Surface Polarity, Through Employing Nonpolar Spacer Groups, on the Glass-Transition Dynamics of Poly(phenyl methylsiloxane) Confined in Alumina Nanopores. Macromolecules, 0, , .	2.2	4