

Jozef Kováčik

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Longitudinal and Transverse Relaxivity Analysis of Native Ferritin and Magnetoferritin at 7 T MRI. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8487.	1.8	5
2	The Impact of Redox, Hydrolysis and Dehydration Chemistry on the Structural and Magnetic Properties of Magnetoferritin Prepared in Variable Thermal Conditions. <i>Molecules</i> , 2021, 26, 6960.	1.7	1
3	Clustering in ferronematics – The effect of magnetic collective ordering. <i>IScience</i> , 2021, 24, 103493.	1.9	3
4	Alternating current magnetic susceptibility of ferronematics: The case of high concentration of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166331.	1.0	1
5	Dechlorination of 2,4,4-trichlorobiphenyl by magnetoferritin with different loading factors. <i>Chemosphere</i> , 2020, 260, 127629.	4.2	4
6	Cluster-Related Phenomena in the Properties and Transformations of Transition Metal-Based Glassy Alloys. <i>Metals</i> , 2020, 10, 1025.	1.0	1
7	Experimental assessment of interactions between liquid crystal 4-cyano-4'-hexylbiphenyl and magnetoferritin. <i>Mendeleev Communications</i> , 2020, 30, 73-75.	0.6	0
8	Oxidation-controlled magnetism and Verwey transition in Fe/Fe ₃ O ₄ lamellae. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 263-269.	1.5	5
9	Martensitic transformation in Fe ₄₂ Mn _{28.3} Ga _{29.7} Heusler alloy accompanied with a huge variation of initial permeability. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155346.	2.8	4
10	Magnetocaloric effect and scaling analysis in superspinglass cobalt based nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019, 805, 767-773.	2.8	8
11	Influence of synthesis temperature on structural and magnetic properties of magnetoferritin. <i>Mendeleev Communications</i> , 2019, 29, 279-281.	0.6	6
12	Zn source-dependent magnetic properties of undoped ZnO nanoparticles from mechanochemically derived hydrozincite. <i>Journal of Alloys and Compounds</i> , 2019, 787, 1249-1259.	2.8	12
13	The influence of partial substitution of La by Dy on structure and thermomagnetic properties of the LaFe _{11.0} Co _{0.7} Si _{1.3} alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 454, 298-303.	1.0	11
14	Evolution of the phase structure after different heat treatments in NiCoFeCrGa high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2018, 743, 234-239.	2.8	6
15	Hydrogenation caused reversible structural changes in FeCrB type metallic glasses monitored by magnetization parameters. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1591-1595.	2.8	3
16	Decomposing the permeability spectra of nanocrystalline finemet core. <i>AIP Advances</i> , 2018, 8, 047205.	0.6	6
17	Magnetic Fredericksz transition in a ferronematic liquid crystal doped with spindle magnetic particles. <i>Journal of Molecular Liquids</i> , 2018, 267, 390-397.	2.3	12
18	Magnetocaloric effect of the LaFe _{11.2} Co _{0.7} Si _{1.1} modified by partial substitution of La by Pr or Ho. <i>Materials and Design</i> , 2017, 129, 111-115.	3.3	22

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19	Structuralization of magnetic nanoparticles in 5CB liquid crystals. <i>Soft Matter</i> , 2017, 13, 7890-7896.	1.2	24
20	Low-field and high-field magnetic resonance contrast imaging of magnetoferritin as a pathological model system of iron accumulation. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 365401.	1.3	8
21	Alternating current magnetic susceptibility of a ferronematic. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2515-2520.	1.5	4
22	Biasing a ferronematic – a new way to detect weak magnetic field. <i>Soft Matter</i> , 2016, 12, 5780-5786.	1.2	14
23	Magnetic properties of graphene nanodisk and nanocone powders at low temperatures. <i>Physical Review B</i> , 2015, 92, .	1.1	2
24	The cytotoxicity of iron oxide nanoparticles with different modifications evaluated in vitro. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 380, 85-89.	1.0	49
25	The study of magnetic properties and relaxation processes in Co/Au bimetallic nanoparticles. <i>Journal of Alloys and Compounds</i> , 2015, 649, 104-111.	2.8	12
26	Magneto-resistance of composites based on graphitic discs and cones. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 335305.	1.3	2
27	Magnetic nanocomposites of periodic mesoporous silica: The influence of the silica substrate dimensionality on the inter-particle magnetic interactions. <i>Journal of Alloys and Compounds</i> , 2014, 582, 483-490.	2.8	40
28	Magnetic properties of carbon nanodisk and nanocone powders. <i>Physical Review B</i> , 2013, 87, .	1.1	12
29	Magnetic properties and magneto-caloric effect in pseudo-binary intermetallic (Ce,R)2Fe17 compounds (R=Al, Pr and Dy). <i>Intermetallics</i> , 2011, 19, 982-987.	1.8	29
30	Magneto-caloric effect in the pseudo-binary intermetallic YPrFe17 compound. <i>Materials Chemistry and Physics</i> , 2011, 131, 18-22.	2.0	9
31	Viscous Phenomena in Magnetic and Thermal Properties of Fe-Ni-Based Glasses Induced by Cryo-Treatments. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 353-356.	1.2	2
32	Insight into surface heterogeneity of SBA-15 silica: Oxygen related defects and magnetic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 357, 97-104.	2.3	31
33	Annealing experiments on bulk amorphous alloys around the glass transition temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 304, e657-e659.	1.0	1
34	Curie temperature changes of Fe-based glassy alloys, induced by electrochemical hydrogen-charging and subsequent discharging. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 304, e669-e671.	1.0	4
35	Thermal and magnetic properties of Ce5Ni2Si3. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 851-853.	1.3	4