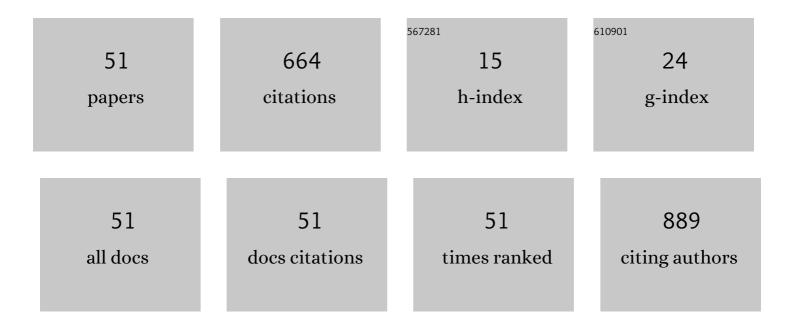
Pavla RoupcovÃ;

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4296338/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Oxide dispersion strengthened CoCrFeNiMn high-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 689, 252-256.	5.6	138
2	Effect of metallic dopants on the microstructure and mechanical properties of TiB2. Journal of the European Ceramic Society, 2015, 35, 2745-2754.	5.7	45
3	Mechanical properties of high niobium TiAl alloys doped with Mo and C. Materials and Design, 2016, 99, 284-292.	7.0	44
4	Synthesis of Ca,Y-zirconia/hydroxyapatite nanoparticles and composites. Journal of the European Ceramic Society, 2016, 36, 2903-2912.	5.7	40
5	Heat-induced spinodal decomposition of Ag–Cu nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 28277-28285.	2.8	26
6	Significantly decreased stability of MgH2 in the Mg-In-C alloy system: Long-period-stacking-ordering as a new way how to improve performance of hydrogen storage alloys?. Renewable Energy, 2020, 150, 204-212.	8.9	23
7	Oxidation performance of cold spray Ti–Al barrier coated γ-TiAl intermetallic substrates. Surface and Coatings Technology, 2015, 268, 85-89.	4.8	22
8	Influence of Processing Techniques on Microstructure and Mechanical Properties of a Biodegradable Mg-3Zn-2Ca Alloy. Materials, 2016, 9, 880.	2.9	21
9	Towards near-permanent CoCrMo prosthesis surface by combining micro-texturing and low temperature plasma carburising. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 55, 215-227.	3.1	21
10	Non-aqueous template-assisted synthesis of mesoporous nanocrystalline silicon orthophosphate. RSC Advances, 2015, 5, 73670-73676.	3.6	18
11	Chemical synthesis of nickel ferrite spinel designed as an insulating bilayer coating on ferromagnetic particles. Surface and Coatings Technology, 2015, 270, 66-76.	4.8	17
12	Changes in phase composition of Zr–Fe–V getter after hydriding and vacuum dehydriding cycles. Journal of Alloys and Compounds, 2010, 492, 160-165.	5.5	16
13	Effect of Phase Structure on Sintering Behavior of Zirconia Nanopowders. Journal of the American Ceramic Society, 2013, 96, 3720-3727.	3.8	16
14	Solvothermal hot injection synthesis of core-shell AgNi nanoparticles. Journal of Alloys and Compounds, 2019, 770, 377-385.	5.5	16
15	Improvement of hydrogen storage kinetics in ball-milled magnesium doped with antimony. International Journal of Hydrogen Energy, 2017, 42, 6144-6151.	7.1	15
16	The Influence of Aluminum Content on Oxidation Resistance of New-Generation ODS Alloy at 1200 °C. Metals, 2020, 10, 1478.	2.3	15
17	Structural transformations of Fe81B13Si4C2 amorphous alloy induced by heating. Journal of Magnetism and Magnetic Materials, 2011, 323, 400-404.	2.3	14
18	Cobalt-induced structural modulation in multiferroic Aurivillius-phase oxides. Journal of Materials Chemistry C, 2020, 8, 8466-8483.	5.5	14

Pavla RoupcovÃi

#	Article	IF	CITATIONS
19	Comparison of low cycle fatigue of ductile cast irons with different matrix alloyed with nickel. Procedia Engineering, 2010, 2, 2307-2316.	1.2	13
20	Thermally induced microstructural transformations and anti-corrosion properties of Co70Fe5Si10B15 amorphous alloy. Journal of Non-Crystalline Solids, 2018, 500, 326-335.	3.1	12
21	Influence of iridium (Ir) doping on the structural, electrical, and dielectric properties of LuFeO3 perovskite compound. Journal of Alloys and Compounds, 2021, 877, 160282.	5.5	12
22	Magnetic Properties and Mössbauer spectroscopy of NdFe1-xMnxO3. Journal of Physics: Conference Series, 2015, 592, 012117.	0.4	10
23	Temperature stability of AgCu nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	9
24	Experimental Study of the Sb-Sn-Zn Alloy System. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 1181-1188.	2.2	8
25	Effect of shock wave on microstructure of silicon steel. Surfaces and Interfaces, 2020, 20, 100415.	3.0	7
26	A Novel Composite Material Designed from FeSi Powder and Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ Ferrite. Advances in Materials Science and Engineering, 2015, 2015, 1-8.	1.8	6
27	Rapid pressure-less and spark plasma sintering of (Ba0.85Ca0.15Zr0.1T0.9)O3 lead-free piezoelectric ceramics. Journal of the European Ceramic Society, 2021, 41, 2514-2523.	5.7	6
28	Magnetic properties of 42CrMo4 steel. IOP Conference Series: Materials Science and Engineering, 2017, 179, 012010.	0.6	5
29	Magneto-crystalline anisotropy of NdFe0.9Mn0.1O3 single crystal. Physica B: Condensed Matter, 2018, 536, 89-92.	2.7	5
30	Magnetism in NdMn0.1Fe0.9O3 compound. Journal of Magnetism and Magnetic Materials, 2020, 502, 166539.	2.3	5
31	FeSiBAlNiMo High Entropy Alloy Prepared by Mechanical Alloying. Acta Physica Polonica A, 2017, 131, 771-773.	0.5	5
32	Exchange Bias Effect in NdFeO_3 System of Nanoparticles. Acta Physica Polonica A, 2017, 131, 869-871.	0.5	5
33	Hydrogenation of nanocrystalline Zr–Fe–H powder. Journal of Alloys and Compounds, 2005, 404-406, 537-540.	5.5	4
34	Iron precipitation in basalt fibres embedded in partially pyrolysed methylsiloxane matrix. Composites Part A: Applied Science and Manufacturing, 2019, 123, 286-292.	7.6	4
35	Improved hydrogen sorption kinetics in Mg modified by chosen catalysts. International Journal of Hydrogen Energy, 2019, 44, 8315-8324.	7.1	4
36	Creep Resistance of S304H Austenitic Steel Processed by High-Pressure Sliding. Materials, 2022, 15, 331.	2.9	4

Pavla RoupcovÃi

#	Article	IF	CITATIONS
37	Thermally Induced Structural Transformations of Fe40Ni40P14B6 Amorphous Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 260-267.	2.2	3
38	Low-temperature consolidation of high-strength TiB2 ceramic composites via grain-boundary engineering using Ni-W alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 738, 194-202.	5.6	3
39	Thin high-strength zirconia tapes with extreme flexibility. Journal of Asian Ceramic Societies, 2021, 9, 964-974.	2.3	3
40	On thermal stability of nanocrystalline Ag–Cu-S powders. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	3
41	High temperature corrosion of Feâ€6 wt% Si steel in various atmospheres. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 593-604.	1.5	2
42	Hydrogen desorption from alloys Mg–Cu(–KCl): Cu catalysis in detail. International Journal of Hydrogen Energy, 2021, 46, 14494-14507.	7.1	2
43	Analysis of stresses in FeSi sheets induced by laser cutting. IOP Conference Series: Materials Science and Engineering, 2018, 461, 012009.	0.6	1
44	Preparation and characterization of novel environmentally friendly Al2O3/SiO2/CaO ceramic foams. Ceramics International, 2018, 44, 19063-19069.	4.8	1
45	Crystal growth and characterization of (DyxLa1–x)2Ti2O7 crystals. Metallic Materials, 2020, 58, 59-70.	0.3	1
46	Preparation and properties of Fe and Fe3O4 nanoparticles in ZrO2 matrix. European Physical Journal D, 2006, 56, E93-E99.	0.4	0
47	Changes in Phase Composition of NaAlH[sub 4]+FeCl[sub 2] Complex Hydride Exposed to Air. , 2010, , .		0
48	Structural and compositional stability of the mechanically alloyed (Fe, Mo)-Al at elevated temperatures. Materials Chemistry and Physics, 2015, 168, 108-116.	4.0	0
49	Influence of long-term ageing upon the capacity of hydrogen storage in two novel Mg-Ni-In-C alloys. Metallic Materials, 2016, 54, 389-396.	0.3	0
50	HYDROGEN SORPTION IN ORDERED Mg-In ALLOYS. , 2019, , .		0
51	Significant decrease of hydride decomposition enthalpy in ordered Mg-In alloys induced by growing bydrogen concentration. Metallic Materials, 2020, 58, 161-167	0.3	0