

Muhamad Faiz Md Din

List of Publications by Year in descending order

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789
citing authors

#	ARTICLE	IF	CITATIONS
1	The Critical Behaviour and Magnetism of MnCoGe _{0.97} Al _{0.03} Compounds. Crystals, 2022, 12, 205.	1.0	2
2	Raman Spectroscopy Characterization of Mineral Oil and Palm Oil with Added Multi-Walled Carbon Nanotube for Application in Oil-Filled Transformers. Energies, 2022, 15, 1534.	1.6	3
3	Magnetism and Thermomechanical Properties in Si Substituted MnCoGe Compounds. Crystals, 2021, 11, 694.	1.0	7
4	Magnetoelastic coupling in DyFe _{11.4} Nb _{0.6} . Intermetallics, 2020, 125, 106864.	1.8	0
5	Electrochemical Sodiation/Desodiation into Mn ₃ O ₄ Nanoparticles. ACS Omega, 2020, 5, 29158-29167.	1.6	16
6	A Review on Oil-Based Nanofluid as Next-Generation Insulation for Transformer Application. Journal of Nanomaterials, 2020, 2020, 1-17.	1.5	40
7	Optimum Electrical and Dielectric Performance of Multi-Walled Carbon Nanotubes Doped Disposed Transformer Oil. Energies, 2020, 13, 3181.	1.6	16
8	The role of gas-phase dynamics in interfacial phenomena during few-layer graphene growth through atmospheric pressure chemical vapour deposition. Physical Chemistry Chemical Physics, 2020, 22, 3481-3489.	1.3	14
9	Kinetic studies of few-layer graphene grown by flame deposition from the perspective of gas composition and temperature. RSC Advances, 2019, 9, 21000-21008.	1.7	6
10	Effects of hydrogen during annealing process of graphene synthesis via chemical vapor deposition. Materials Today: Proceedings, 2019, 7, 675-685.	0.9	4
11	Nanoflakes MgNiO ₂ synthesised via a simple hydrothermal method and its catalytic roles on the hydrogen sorption performance of MgH ₂ . Journal of Alloys and Compounds, 2019, 796, 279-286.	2.8	90
12	Desorption properties of LiAlH ₄ doped with LaFeO ₃ catalyst. International Journal of Hydrogen Energy, 2019, 44, 11953-11960.	3.8	31
13	Nanolayer-like-shaped MgFe ₂ O ₄ synthesised via a simple hydrothermal method and its catalytic effect on the hydrogen storage properties of MgH ₂ . RSC Advances, 2018, 8, 15667-15674.	1.7	56
14	A critical review of the effects of fluid dynamics on graphene growth in atmospheric pressure chemical vapor deposition. Journal of Materials Research, 2018, 33, 1088-1108.	1.2	28
15	Synthesis of BaFe ₁₂ O ₁₉ by solid state method and its effect on hydrogen storage properties of MgH ₂ . International Journal of Hydrogen Energy, 2018, 43, 20853-20860.	3.8	74
16	Tuning the magnetic and structural transitions in $TbC_2O_2Mn_2$ compounds. Physical Review B, 2017, 96, .	1.1	20
17	In-situ encapsulation of nickel nanoparticles in polypyrrole nanofibres with enhanced performance for supercapacitor. Electrochimica Acta, 2017, 249, 9-15.	2.6	37
18	The magneto-structural transition in Mn _{1-x} Fe _x CoGe. Journal Physics D: Applied Physics, 2016, 49, 175003.	1.3	28

#	ARTICLE	IF	CITATIONS
19	Disordered spinel LiNi _{0.5} Mn _{1.5} O ₄ cathode with improved rate performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 206, 374-380.	2.6	28
20	Tuneable Magnetic Phase Transitions in Layered CeMn ₂ Ge _{2-x} Si _x Compounds. <i>Scientific Reports</i> , 2015, 5, 11288.	1.6	34
21	⁵⁷ Fe Mössbauer and magnetic studies of Nd ₃ Fe _{24.5} Cr _{4.5} . <i>Hyperfine Interactions</i> , 2015, 231, 65-74.	0.2	2
22	Magnetocaloric effect and magnetostructural coupling in Mn _{0.92} Fe _{0.08} CoGe compound. <i>Journal of Applied Physics</i> , 2015, 117, 17D103.	1.1	8
23	Anomalies in magnetoelastic properties of DyFe _{11.2} Nb _{0.8} compound. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	5
24	Neutron diffraction study of MnNiGa ₂ —Structural and magnetic behaviour. <i>Journal of Applied Physics</i> , 2014, 115, 17A904.	1.1	6
25	A comparative study of magnetic behaviors in TbNi ₂ , TbMn ₂ and TbNi ₂ Mn. <i>Journal of Applied Physics</i> , 2014, 115, 17E135.	1.1	3
26	Magnetic phase transitions and entropy change in layered NdMn _{1.7} Cr _{0.3} Si ₂ . <i>Applied Physics Letters</i> , 2014, 104, 042401.	1.5	23
27	Magnetic properties and magnetocaloric effect of NdMn _{2-x} Cu _x Si ₂ compounds. <i>Journal of Applied Physics</i> , 2014, 115, 17A921.	1.1	18
28	Magnetic transitions and the magnetocaloric effect in the Pr _{1-x} Y _x Mn ₂ Ge ₂ system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1092-1100.	0.8	5
29	Effects of Cr substitution on structural and magnetic properties in La _{0.7} Pr _{0.3} Fe _{11.4} Si _{1.6} compound. <i>Journal of Applied Physics</i> , 2014, 115, 17A942.	1.1	7
30	Study on Vanadium Substitution to Iron in Li ₂ FeP ₂ O ₇ as Cathode Material for Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2014, 141, 195-202.	2.6	12
31	Magnetic Properties and Magnetocaloric Effect in Layered NdMn _{1.9} V _{0.1} Si ₂ . <i>EPJ Web of Conferences</i> , 2014, 75, 04001.	0.1	4
32	Ti substitution for Mn in MnCoGe — The magnetism of Mn _{0.9} Ti _{0.1} CoGe. <i>Journal of Alloys and Compounds</i> , 2013, 577, 475-479.	2.8	20
33	Effects of Cu substitution on structural and magnetic properties of La _{0.7} Pr _{0.3} Fe _{11.4} Si _{1.6} compounds. <i>Intermetallics</i> , 2013, 36, 1-7.	1.8	23
34	The magnetocaloric effect and critical behaviour of the Mn _{0.94} Ti _{0.06} CoGe alloy. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 056001.	0.7	28
35	Publisher's Note: Driving Magnetostructural Transitions in Layered Intermetallic Compounds [<i>Phys. Rev. Lett.</i> 110 (2013), 217211 (2013)]. <i>Physical Review Letters</i> , 2013, 110, .	2.9	1
36	Magnetic properties and magnetocaloric effect of NdMn _{2-x} Ti _x Si ₂ compounds. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 445002.	1.3	17

#	ARTICLE	IF	CITATIONS
37	Driving Magnetostructural Transitions in Layered Intermetallic Compounds. Physical Review Letters, 2013, 110, 217211.	2.9	48
38	Magnetism and magnetic structures of PrMn_2Ge_2 and PrMn_2Si_2 . Journal of Physics Condensed Matter, 2013, 25, 386003.	0.7	9
39	Substitution of Y for Pr in PrMn_2Ge_2 —The magnetism of $\text{Pr}_{0.8}\text{Y}_{0.2}\text{Mn}_2\text{Ge}_2$. Journal of Applied Physics, 2013, 113, 17E147.	1.1	4
40	Study of Heat Treatment Effect in MnCoGe Compound on Structure and Electric Properties. Materials Science Forum, 0, 1010, 86-91.	0.3	3