

K Mukherjee

List of Publications by Year in descending order

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papers

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citations

933447

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citing authors

#	ARTICLE	IF	CITATIONS
1	Unravelling the phonon scattering mechanism in half-Heusler alloys $ZrCo_{1-x}Ir_xSb_x$ ($x = 0, 0.1$ and 0.25). Journal of Physics Condensed Matter, 2022, 34, 035702.	1.8	1
2	Atomic disorder and Berry phase driven anomalous Hall effect in a Heusler compound. Physical Review B, 2022, 105, .	3.2	19
3	Entropic topography associated with field-induced quantum criticality in a magnetic insulator DyVO ₄ . Scientific Reports, 2022, 12, 56.	3.3	7
4	Large magnetodielectric coupling in the vicinity of metamagnetic transition in 6H-perovskite $Ba_3GdRu_2O_9$. Journal of Physics Condensed Matter, 2022, 34, 145801.	1.8	1
5	Mott breakdown effect in spinel MgTi _{1.2} V _{0.8} O ₄ . Physical Review B, 2021, 103, .	3.2	2
6	Structure driven magnetic correlations and magnetodielectric coupling in 6H-perovskite Ba ₃ DyRu ₂ O ₉ . Journal of Physics Condensed Matter, 2021, 33, 285801.	1.8	1
7	Effect of partial substitution of iso-valent Mo at Cr-site on electronic structure and physical properties of Fe ₂ CrAl. Intermetallics, 2021, 133, 107153.	3.9	3
8	Anomalous magnetoresistance and magneto-thermal properties of the half-Heuslers, RPdSi (R = Y, Tj). Overlook 10 Tf 50	1.8	5
9	Optical phonon mode assisted thermal conductivity in p-type ZrIrSb half-Heusler alloy: a combined experimental and computational study. Journal Physics D: Applied Physics, 2021, 54, 495303.	2.8	9
10	Unconventional critical behaviour in weak ferromagnets Fe _{2-x} MnxCrAl (0 ≤ x ≤ 1). Scientific Reports, 2021, 11, 18742.	3.3	2
11	Effect of doping of Co, Ni and Ga on magnetic and dielectric properties of layered perovskite multiferroic YBaCuFeO ₅ . Journal of Magnetism and Magnetic Materials, 2020, 498, 166124.	2.3	1
12	Magnetocaloric effect and spin-phonon correlations in RFe _{0.5} Cr _{0.5} O ₃ (R = Er and Yb) compounds. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126638.	2.1	14
13	Spin lattice relaxation phenomena in the magnetic state of a suggested Weyl semimetal CeAlGe. Philosophical Magazine, 2020, 100, 1771-1787.	1.6	7
14	Coexistence of non-Fermi liquid behavior and biquadratic exchange coupling in La-substituted CeGe: Nonlinear susceptibility and DFT+DMFT study. Physical Review B, 2020, 102, .	3.2	3
15	Field induced nature and nonlinear DC susceptibility studies of Ni substituted Dy ₅ Pd ₂ cluster glass system. Physica B: Condensed Matter, 2019, 572, 56-59.	2.7	1
16	Exotic magnetic behaviour and evidence of cluster glass and Griffiths like phase in Heusler alloys Fe _{2-x} MnxCrAl (0 ≤ x ≤ 1). Scientific Reports, 2019, 9, 15888.	3.3	24
17	Interplay between disorder-driven non-Fermi-liquid behavior and magnetism in the Ce _{0.24} La _{0.76} Ge compound. Europhysics Letters, 2019, 126, 57005.	2.0	2
18	Effect of (Cu/Fe)O ₅ bipyramid size and separation on magnetic and dielectric properties of rare earth layered perovskite LaBaCuFeO ₅ and LuBaCuFeO ₅ . Journal of Applied Physics, 2019, 126, 144101.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Possibility of a new order parameter driven by multipolar moment and Fermi surface evolution in CeGe. Scientific Reports, 2019, 9, 5131.	3.3	4
20	Nature of glassy magnetic state in magnetocaloric materials Dy ₅ Pd _{2-x} Nix (x = 0 and 1) and universal scaling analysis of R ₅ Pd ₂ (R = Tb, Dy and Er). Journal of Alloys and Compounds, 2019, 782, 10-16.	5.5	16
21	Observation of field induced anomalous quantum criticality in Ce _{0.6} Y _{0.4} NiGe ₂ compound. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1057-1061.	2.1	1
22	Evidence of partial gap opening and Ce-site dilution effects in a heavy fermion compound CeNiGe ₂ . Philosophical Magazine, 2019, 99, 386-400.	1.6	6
23	Complex magnetic behaviour and evidence of a superspin glass state in the binary intermetallic compound Er ₅ Pd ₂ . Journal of Physics Condensed Matter, 2018, 30, 215803.	1.8	19
24	Effect of crystalline electric field on heat capacity of LnBaCuFeO ₅ (Ln = Gd, Ho, Yb). Solid State Communications, 2018, 270, 130-134.	1.9	8
25	Spin-phonon coupling and exchange interaction in Gd substituted YFe _{0.5} Cr _{0.5} O ₃ . Journal of Magnetism and Magnetic Materials, 2018, 447, 26-31.	2.3	2
26	Evidence of large magnetic cooling power and double glass transition in Tb ₅ Pd ₂ . Journal of Magnetism and Magnetic Materials, 2018, 466, 317-322.	2.3	28
27	Enhancement of magnetic ordering temperature and magnetodielectric coupling by hole doping in a multiferroic DyFe _{0.5} Cr _{0.5} O ₃ . Journal of Physics Condensed Matter, 2017, 29, 085801.	1.8	6
28	Evolution of magnetic and dielectric properties in Sr-substituted high-temperature multiferroic YBaCuFeO ₅ . Europhysics Letters, 2017, 117, 67006.	2.0	18
29	Magnetic and universal magnetocaloric behavior of rare-earth substituted DyFe _{0.5} Cr _{0.5} O ₃ . Journal of Magnetism and Magnetic Materials, 2017, 444, 178-183.	2.3	18
30	Signature of partially frustrated moments and a new magnetic phase in CeNiGe ₂ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3236-3240.	2.1	2
31	Investigation of thermodynamic properties of multiferroic YBaCuFeO ₅ . AIP Conference Proceedings, 2017, , .	0.4	4
32	Exchange bias in a mixed metal oxide based magnetocaloric compound YFe _{0.5} Cr _{0.5} O ₃ . Journal of Magnetism and Magnetic Materials, 2016, 414, 116-121.	2.3	30
33	Structure in Ba ₃ FeRu ₂	3.2	22
34	Anomalous dependence of thermoelectric parameters on carrier concentration and electronic structure in Mn-substituted Fe ₂ CrAl Heusler alloy. Philosophical Magazine, 0, , 1-18.	1.6	2