

Pramod Kumar

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7955311/pramod-kumar-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

484
citations

13
h-index

19
g-index

51
ext. papers

577
ext. citations

3.1
avg. IF

3.59
L-index

#	Paper	IF	Citations
48	Magnetocaloric and magnetotransport properties of R ₂ Ni ₂ Sn compounds (R=Ce, Nd, Sm, Gd, and Tb). <i>Physical Review B</i> , 2008 , 77,	3.3	43
47	Bulk synthesis of highly conducting graphene oxide with long range ordering. <i>RSC Advances</i> , 2015 , 5, 35893-35898	3.7	35
46	Pressure-induced changes in the magnetic and magnetocaloric properties of RMn ₂ Ge ₂ (R=Sm,Gd). <i>Physical Review B</i> , 2008 , 77,	3.3	35
45	Large reversible magnetocaloric effect in RNi compounds. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 245006	3	33
44	Magnetism, heat capacity, magnetocaloric effect and magneto-transport in R ₂ Al (R= Nd, Gd, Tb) compounds. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 105007	3	30
43	Measurement of pressure effects on the magnetic and the magnetocaloric properties of the intermetallic compounds DyCo ₂ and Er(Co _{1-x} Si _x) ₂ . <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 036213 ^{1.8}	1.8	28
42	Effect of Ge substitution for Si on the anomalous magnetocaloric and magnetoresistance properties of GdMn ₂ Si ₂ compounds. <i>Journal of Applied Physics</i> , 2007 , 101, 013908	2.5	23
41	Facile h-MoO ₃ synthesis for NH ₃ gas sensing application at moderate operating temperature. <i>Sensors and Actuators B: Chemical</i> , 2020 , 325, 128974	8.5	21
40	Fullerene grafted graphene oxide with effective charge transfer interactions. <i>Carbon</i> , 2016 , 107, 765-773 ^{0.4}	0.4	19
39	Investigations on magnetic and magnetocaloric properties of the intermetallic compound TbAgAl. <i>Journal of Applied Physics</i> , 2009 , 105, 023901	2.5	19
38	Large reversible magnetocaloric effect in Er ₃ Co compound. <i>Journal of Applied Physics</i> , 2010 , 107, 09A932.5	2.5	17
37	Magnetic and magnetocaloric properties of Sm _x Gd _{1-x} Mn ₂ Si ₂ . <i>Journal of Alloys and Compounds</i> , 2007 , 427, 42-45	5.7	16
36	Impression of magnetic clusters, critical behavior and magnetocaloric effect in FeAl alloys. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 10823-10833	3.6	15
35	Magnetic, magnetothermal, and magnetotransport properties in SmMn ₂ Si _{2-x} Gex compounds. <i>Journal of Applied Physics</i> , 2008 , 103, 013909	2.5	10
34	Structural, magnetic and magnetocaloric properties of La _{0.8} Gd _{0.2} Fe _{11.4} Si _{1.6} . <i>Physica B: Condensed Matter</i> , 2008 , 403, 1015-1016	2.8	10
33	Stable graphite exfoliation by fullerene intercalation via aqueous route. <i>New Journal of Chemistry</i> , 2014 , 38, 4922-4930	3.6	9
32	Magnetothermal effect in Gd ₃ Rh. <i>Journal of Applied Physics</i> , 2011 , 109, 07A909	2.5	9

31	Effect of Doping and Annealing on Thermoelectric Properties of Bismuth Telluride Thin Films. <i>Journal of Electronic Materials</i> , 2020 , 49, 4195-4202	1.9	9
30	Effect of Tm substitution on the magnetic and magnetocaloric properties in the intermetallic compounds (Tb _{1-x} Tm _x)Co ₂ . <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 1620-1625	3	8
29	Fabrication of a p-n Heterojunction Using Topological Insulator Bi ₂ Te ₃ Bi and Its Annealing Response. <i>Journal of Electronic Materials</i> , 2018 , 47, 6972-6983	1.9	8
28	Magnetic and magnetothermal properties of La _{1-x} Nd _x Fe _{11.5} Al _{1.5} compounds. <i>Journal of Applied Physics</i> , 2008 , 103, 07B338	2.5	7
27	Synthesis and ultrafast spectroscopic study of new [6,6]methanofullerenes. <i>RSC Advances</i> , 2016 , 6, 24889-24897	3.7	7
26	Magnetic, magnetocaloric and magnetoresistance properties of Nd ₇ Pd ₃ . <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 456004	1.8	6
25	Heat capacity and magnetocaloric effect in polycrystalline Gd _{1-x} Sm _x Mn ₂ Si ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 319, 1-4	2.8	6
24	Multiple magnetic transitions and the magnetocaloric effect in Gd _{1-x} Sm _x Mn ₂ Ge ₂ compounds. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 386210	1.8	6
23	Pressure dependent magnetic, AC susceptibility and electrical properties of Nd ₇ Pd ₃ . <i>RSC Advances</i> , 2015 , 5, 58928-58935	3.7	5
22	Flexible perylenediimide/GaN organic-inorganic hybrid system with exciting optical and interfacial properties. <i>Scientific Reports</i> , 2020 , 10, 10480	4.9	5
21	Magnetic and magnetocaloric effect in melt spun La _{1-x} R _x Fe _{13-y} Al _y Cz (R= Pr and Nd) compounds. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 205003	3	5
20	Effect of Different Metallic Contacts on the Device Performance of a p-n Heterostructure of a Topological Insulator and Silicon (p-Bi ₂ Te ₃ /n-Si). <i>IEEE Transactions on Electron Devices</i> , 2020 , 67, 5388-5393	3.9	5
19	Anomalous magnetic and magnetocaloric properties of Er ₂ Ni ₁₇ . <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 2691-2694	3	4
18	Synthesis of graphene oxide with a lower band gap and study of charge transfer interactions with perylenediimide. <i>New Journal of Chemistry</i> , 2020 , 44, 12704-12714	3.6	4
17	Material Study of Co ₂ CrAl Heusler Alloy Magnetic Thin Film and Co ₂ CrAl/n-Si Schottky Junction Device. <i>Journal of Electronic Materials</i> , 2020 , 49, 3652-3658	1.9	3
16	Anomalous magnetic properties in LaFeAl. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3425-3433	3.6	3
15	Magnetocaloric effect and refrigeration cooling power in amorphous Gd ₇ Ru ₃ alloys. <i>AIP Advances</i> , 2015 , 5, 077125	1.5	3
14	A comparative study on magnetocaloric effect in NdRu ₂ Si ₂ and NdRu ₂ Ge ₂ . <i>Materials Today: Proceedings</i> , 2020 , 28, 149-152	1.4	2

13	Crystal structure and negative magnetization in Sm ₂ Al and Sm _{1.988} Gd _{0.012} Al compounds. <i>Physica B: Condensed Matter</i> , 2014 , 448, 6-8	2.8	2
12	Critical analysis of chemical and hydrostatic pressure-induced Gd ₅ Si ₂ Ge ₂ alloy. <i>Materials Today Communications</i> , 2021 , 26, 102091	2.5	2
11	Effect of different concentration of functionalized graphene on charging time reduction in thermal energy storage system. <i>Materials Today: Proceedings</i> , 2021 , 44, 146-152	1.4	2
10	Selective wavelength optical filters from mixed polymorph and binary integration of MoO ₃ multilayer structures. <i>Optical Materials</i> , 2021 , 111, 110709	3.3	2
9	Dual-quadrant photodetection in topological insulator and silicon-based heterojunction (n-Bi ₂ Te ₂ Se/p-Si). <i>Applied Surface Science</i> , 2021 , 565, 150497	6.7	2
8	Charge transfer induced symmetry breaking in GaN/Bi ₂ Se ₃ topological heterostructure device. <i>Npj 2D Materials and Applications</i> , 2022 , 6,	8.8	2
7	Heterogeneous integration of TiO ₂ epitaxial growth for one-dimensional photonic crystal: An experimental and theoretical analysis. <i>Materials Today Communications</i> , 2020 , 25, 101367	2.5	1
6	Electrical properties of a metal-germanium-topological insulator (metal/n-Ge/p-Bi ₂ Te ₃) heterostructure devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 8106-8121	2.1	1
5	Modifications in the magnetocaloric effect owing to composition changes in Gd ₂ In _{1-x} Gex (0 ≤ x ≤ 0.2) system of compounds. <i>AIP Advances</i> , 2022 , 12, 035127	1.5	0
4	Charging analysis and characterizations of COOH group functionalized graphene combined with paraffin wax as phase change material for thermal energy storage applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	0
3	Unusual magneto-thermal properties in Sr ₄ Ru ₃ O ₁₀ . <i>Materials Research Express</i> , 2017 , 4, 026104	1.7	
2	XPS analysis of Gd ₅ Ge ₂ Si ₂ and its Co-substituted alloy. <i>Materials Today: Proceedings</i> , 2021 , 46, 10597-10599		
1	Lab-on-paper strip chemical sensor: Reversible visible sensor for detection of acids using naphthalenediimide derivative. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	