

# Tapas Samanta

## List of Publications by Year in descending order

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docs citations

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times ranked

631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant magnetocaloric effect in antiferromagnetic ErRu <sub>2</sub> Si <sub>2</sub> compound. Applied Physics Letters, 2007, 91, .	3.3	181
2	Giant magnetocaloric effects near room temperature in Mn <sub>1-x</sub> Cu <sub>x</sub> CoGe. Applied Physics Letters, 2012, 101, .	3.3	118
3	Hydrostatic pressure-induced modifications of structural transitions lead to large enhancements of magnetocaloric effects in MnNiSi-based systems. Physical Review B, 2015, 91, .	3.2	100
4	Magnetostructural phase transitions and magnetocaloric effects in MnNiGe <sub>1-x</sub> Al <sub>x</sub> . Applied Physics Letters, 2012, 100, .	3.3	84
5	Barocaloric and magnetocaloric effects in (MnNiSi) <sub>1-x</sub> (FeCoGe) <sub>x</sub> . Applied Physics Letters, 2018, 112, .	3.3	65
6	Magnetocaloric properties of nanocrystalline La <sub>0.125</sub> Ca <sub>0.875</sub> MnO <sub>3</sub> . Applied Physics Letters, 2009, 94, .	3.3	55
7	Effects of hydrostatic pressure on magnetostructural transitions and magnetocaloric properties in (MnNiSi) <sub>1-x</sub> (FeCoGe) <sub>x</sub> . Journal of Applied Physics, 2015, 117, .	2.5	51
8	Giant reversible barocaloric response of (MnNiSi) <sub>1-x</sub> (FeCoGe) <sub>x</sub> ( $x = 0.39, 0.40$ ). Tj ETQq0 0 Q.rgBT /Overlock 10 T	3.1	27
9	Magnetic and magnetocaloric properties of Dy <sub>5</sub> Pd <sub>2</sub> : role of magnetic irreversibility. RSC Advances, 2015, 5, 47860-47865.	3.6	26
10	Asymmetric switchinglike behavior in the magnetoresistance at low fields in bulk metamagnetic Heusler alloys. Physical Review B, 2014, 90, .	3.2	25
11	Large magnetocaloric effects due to the coincidence of martensitic transformation with magnetic changes below the second-order magnetic phase transition in Mn <sub>1-x</sub> Fe <sub>x</sub> CoGe. Journal of Magnetism and Magnetic Materials, 2013, 330, 88-90.	2.3	17
12	The effects of substituting Ag for In on the magnetoresistance and magnetocaloric properties of Ni-Mn-In Heusler alloys. AIP Advances, 2016, 6, .	1.3	17
13	Observation of large magnetocaloric effect in HoRu <sub>2</sub> Si <sub>2</sub> . Journal of Applied Physics, 2014, 115, 083914.	2.5	16
14	Phase diagram and magnetocaloric effects in Ni <sub>50</sub> Mn <sub>35</sub> (In <sub>1-x</sub> Cr <sub>x</sub> ) <sub>15</sub> and (Mn <sub>1-x</sub> Cr <sub>x</sub> )NiGe <sub>1.05</sub> alloys. Journal of Applied Physics, 2014, 115, 17A922.	2.5	12
15	Asymmetric magnetoresistance in bulk In-based off-stoichiometric Heusler alloys. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1000-1003.	0.8	9
16	Influence of copper substitution on the magnetic and magnetocaloric properties of NiMnInB alloys. Journal of Applied Physics, 2015, 117, .	2.5	8
17	The influence of hydrostatic pressure on the magnetic and magnetocaloric properties of DyRu <sub>2</sub> Si <sub>2</sub> . Journal of Applied Physics, 2017, 121, 045101.	2.5	3
18	Hydrostatic pressure induced giant enhancement of entropy change as driven by structural transition in Mn <sub>0.9</sub> Fe <sub>0.2</sub> Ni <sub>0.9</sub> Ge <sub>0.93</sub> Si <sub>0.07</sub> . Journal of Applied Physics, 2021, 129, .	2.5	1