

J Devkota

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Anisotropic Mechanical and Giant Magneto-Impedance Properties of Cobalt-Rich Amorphous Ribbons. Journal of Electronic Materials, 2016, 45, 2278-2285.	2.2	3
2	Enhanced High-Frequency Magnetoresistance Responses of Melt-Extracted Co-Rich Soft Ferromagnetic Microwires. Journal of Electronic Materials, 2016, 45, 2395-2400.	2.2	5
3	A novel approach for detection and quantification of magnetic nanomarkers using a spin valve GMR-integrated microfluidic sensor. RSC Advances, 2015, 5, 51169-51175.	3.6	29
4	Magneto-reactance based detection of MnO nanoparticle-embedded Lewis lung carcinoma cells. Journal of Applied Physics, 2015, 117, 17D123.	2.5	14
5	Impacts of amorphous and crystalline cobalt ferrite layers on the giant magneto-impedance response of a soft ferromagnetic amorphous ribbon. Journal of Applied Physics, 2014, 116, .	2.5	13
6	A soft ferromagnetic multiwire-based inductance coil sensor for sensing applications. Journal of Applied Physics, 2014, 116, .	2.5	20
7	Synthesis, inductive heating, and magnetoimpedance-based detection of multifunctional Fe ₃ O ₄ nanoconjugates. Sensors and Actuators B: Chemical, 2014, 190, 715-722.	7.8	42
8	Tailoring magnetic and microwave absorption properties of glass-coated soft ferromagnetic amorphous microwires for microwave energy sensing. Journal of Applied Physics, 2014, 115, 17A525.	2.5	14
9	A highly sensitive magnetic biosensor for detection and quantification of anticancer drugs tagged to superparamagnetic nanoparticles. Journal of Applied Physics, 2014, 115, 17B503.	2.5	25
10	Sensing RF and microwave energy with fiber Bragg grating heating via soft ferromagnetic glass-coated microwires. Sensors and Actuators A: Physical, 2014, 210, 25-31.	4.1	9
11	Magneto-resistance, magneto-reactance, and magneto-impedance effects in single and multi-wire systems. Journal of Alloys and Compounds, 2013, 549, 295-302.	5.5	19
12	Detection of low-concentration superparamagnetic nanoparticles using an integrated radio frequency magnetic biosensor. Journal of Applied Physics, 2013, 113, 104701.	2.5	41
13	Enhanced giant magneto-impedance effect in soft ferromagnetic amorphous ribbons with pulsed laser deposition of cobalt ferrite. Journal of Applied Physics, 2013, 113, .	2.5	23