

# J Devkota

## List of Publications by Year in descending order

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13  
papers

257  
citations

933447

10  
h-index

1125743

13  
g-index

13  
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13  
docs citations

13  
times ranked

306  
citing authors

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