

# Devraj Singh

## List of Publications by Year in descending order

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54  
papers

601  
citations

687363

13  
h-index

677142

22  
g-index

54  
all docs

54  
docs citations

54  
times ranked

360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasonic wave propagation in IIIrd group nitrides. Applied Acoustics, 2007, 68, 766-777.	3.3	111
2	A study of nanosized zinc oxide and its nanofluid. Pramana - Journal of Physics, 2012, 78, 759-766.	1.8	34
3	Propagation of ultrasonic waves in neptunium monochalcogenides. Applied Acoustics, 2011, 72, 737-741.	3.3	28
4	A study of ZnO nanoparticles and ZnO-EG nanofluid. Journal of Experimental Nanoscience, 2013, 8, 731-741.	2.4	28
5	Ultrasonic Attenuation in Lanthanum Monochalcogenides. Journal of the Physical Society of Japan, 2001, 70, 1825-1832.	1.6	23
6	Ultrasonic study of fission products precipitated in the nuclear fuel. Materials Letters, 2008, 62, 3258-3261.	2.6	21
7	Ultrasonic Study of Osmium and Ruthenium. Platinum Metals Review, 2009, 53, 91-97.	1.2	20
8	Behaviour of ultrasonic attenuation in intermetallics. Intermetallics, 2001, 9, 189-194.	3.9	19
9	Effect of thermal conductivity on ultrasonic attenuation in praseodymium monochalcogenides. Acoustical Physics, 2003, 49, 595-604.	1.0	18
10	Ultrasonic wave propagation in rare-earth monochalcogenides. Open Physics, 2009, 7, .	1.7	18
11	Temperature dependent ultrasonic and thermo-physical properties of polyaniline nanofibers reinforced epoxy composites. Composites Part B: Engineering, 2016, 87, 40-46.	12.0	17
12	Ultrasonic investigations in intermetallics. Pramana - Journal of Physics, 2009, 72, 389-398.	1.8	14
13	Attenuation of ultrasonic waves in V, Nb and Ta at low temperatures. Cryogenics, 2009, 49, 12-16.	1.7	14
14	Temperature Dependent Heat Transfer Performance of Multi-walled Carbon Nanotube-based Aqueous Nanofluids at Very Low Particle Loadings. Johnson Matthey Technology Review, 2015, 59, 199-206.	1.0	14
15	MECHANICAL AND THERMAL PROPERTIES OF PRASEODYMIUM MONOPnictIDES: AN ULTRASONIC STUDY. International Journal of Modern Physics B, 2013, 27, 1350116.	2.0	13
16	Ultrasonic study of Laves phase compounds ScOs <sub>2</sub> and YO <sub>2</sub> . Indian Journal of Physics, 2019, 93, 1147-1153.	1.8	13
17	ULTRASONIC WAVE PROPAGATION IN SEMI-METALLIC SINGLE CRYSTALS. Modern Physics Letters B, 2011, 25, 2377-2390.	1.9	12
18	Temperature-Dependent Elastic and Ultrasonic Properties of Berkelium Monopnictides. Arabian Journal for Science and Engineering, 2014, 39, 485-494.	1.1	12

#	ARTICLE	IF	CITATIONS
19	Effect of Platinum Addition to Coinage Metals on Their Ultrasonic Properties. <i>Platinum Metals Review</i> , 2010, 54, 172-179.	1.2	11
20	Rapid removal of lead(II) ions from water using iron oxide-“tea waste nanocomposite” a kinetic study. <i>IET Nanobiotechnology</i> , 2020, 14, 275-280.	3.8	11
21	Effect of electrical resistivity on ultrasonic attenuation in NpTe. <i>Cryogenics</i> , 2010, 50, 476-479.	1.7	10
22	Mechanical and Thermophysical Properties of Cerium Monopnictides. <i>International Journal of Thermophysics</i> , 2016, 37, 1.	2.1	10
23	Surfactant-free synthesis and experimental analysis of Mn-doped ZnO-glycerol nanofluids: an ultrasonic and thermal study. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	10
24	Behaviour of acoustic attenuation in rare-earth chalcogenides. <i>Materials Chemistry and Physics</i> , 2009, 115, 65-68.	4.0	9
25	Ion beam modified TiO <sub>2</sub> nanotubular bio-interface for electrochemical detection of L-tyrosine towards smart bandage application. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111239.	5.0	8
26	Size-Dependent Ultrasonic and Thermophysical Properties of Indium Phosphide Nanowires. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2020, 75, 373-380.	1.5	8
27	Ultrasonic Studies of Ctab in Glycol. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 392, 75-81.	0.9	7
28	Study of Copper/Palladium Nanoclusters Using Acoustic Particle Sizer. <i>Platinum Metals Review</i> , 2013, 57, 186-191.	1.2	7
29	Elastic and thermal properties of carbides of U, Pu, and Am. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 133, 21-27.	4.0	7
30	Elastic, mechanical, thermo-physical, and ultrasonic investigation in platinum carbide. <i>Materials Today Communications</i> , 2021, 27, 102189.	1.9	7
31	Ultrasonic attenuation in rare-earth monoarsenides. <i>Pramana - Journal of Physics</i> , 2016, 86, 1355-1367.	1.8	6
32	Behaviour of elastic and ultrasonic properties of curium monopnictides. <i>Canadian Journal of Physics</i> , 2018, 96, 513-518.	1.1	6
33	Nonlinear Elastic, Ultrasonic and Thermophysical Properties of Lead Telluride. <i>International Journal of Thermophysics</i> , 2019, 40, 1.	2.1	6
34	Mechanical and Thermophysical Properties of ScM (M: Ru, Rh, Pd, Ag) Intermetallics. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	2.1	6
35	Temperature and Orientation Dependence of Ultrasonic Parameters in Americium Monopnictides. <i>Advances in Materials Physics and Chemistry</i> , 2011, 01, 31-38.	0.7	6
36	Characterization of CrO <sub>2</sub> -poly-vinyl pyrrolidone magnetic nanofluid. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3662-3667.	2.3	5

#	ARTICLE	IF	CITATIONS
37	Mechanical and thermophysical properties of rare-earth monpnictides. International Journal of Computational Materials Science and Engineering, 2016, 05, 1650012.	0.7	4
38	Ultrasonic Investigations on Polonides of Ba, Ca, and Pb. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 977-983.	1.5	4
39	Mechanical and thermophysical properties of actinide monocarbides. Modern Physics Letters B, 2018, 32, 1850248.	1.9	4
40	Study of Ultrasonic and Thermal Properties for Heat Transfer Enhancement in Fe <sub>2</sub> O <sub>3</sub> Nanoparticles-Ethylene Glycol Nanofluids. International Journal of Thermophysics, 2021, 42, 1.	2.1	4
41	Study of Ultrasonic Attenuation and Thermal Conduction in Bimetallic Gold/Platinum Nanofluids. Johnson Matthey Technology Review, 2021, 65, 556-567.	1.0	3
42	Label-Free Electrochemical Detection of Dibenzofuran Using MnO <sub>2</sub> , Nanofibres. IEEE Sensors Journal, 2020, 20, 12537-12542.	4.7	2
43	Ultrasonic and Thermophysical Studies of Ethylene Glycol Nanofluids Containing Titania Nanoparticles and Their Heat Transfer Enhancements. Johnson Matthey Technology Review, 2021, 65, 418-430.	1.0	2
44	Investigation of zirconium nanowire by elastic, thermal and ultrasonic analysis. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 1077-1084.	1.5	2
45	Ultrasonic Wave Propagation in Californium Monpnictides. Open Journal of Applied Sciences, 2011, 01, 1-7.	0.4	2
46	Elastic, mechanical and ultrasonic studies of boron monpnictides in two different structural phases. Indian Journal of Physics, 2022, 96, 3191-3200.	1.8	2
47	Pressure dependent ultrasonic properties of hcp hafnium metal. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 549-557.	1.5	1
48	Diameter Dependent Ultrasonic Investigation of SiC Nanowires. Advances in Computer and Electrical Engineering Book Series, 2021, , 71-100.	0.3	1
49	Elastic, Mechanical and Ultrasonic Properties of Nanostructured IIIrd Group Phosphides. Mapan - Journal of Metrology Society of India, 2021, 36, 97-107.	1.5	1
50	Elastic and Ultrasonic Properties of Rare-earth Lutetium Monpnictides. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2020, 90, 177-183.	1.2	0
51	Capacitive micromachined ultrasonic transducers: Transmission evaluation with different membrane materials and dimensions. TM Technisches Messen, 2021, 88, 251-259.	0.7	0
52	Ultrasonic and Thermophysical Properties of Cobalt Nanowires. Acoustical Physics, 2021, 67, 584-589.	1.0	0
53	Mechanical and thermophysical properties of 4d-transition metal mononitrides. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2022, .	1.5	0
54	Study of elastic, mechanical, thermophysical and ultrasonic properties of divalent metal fluorides $\text{X}\text{F}_2$ (X = Ca, Sr, Cd and Ba). Pramana - Journal of Physics, 2022, 96, 1.	1.5	0