

# Anil Gourishetty

## List of Publications by Year in descending order

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39  
papers

388  
citations

840776

11  
h-index

839539

18  
g-index

39  
all docs

39  
docs citations

39  
times ranked

402  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Superdeformed and Triaxial States in $^{42}\text{Ca}$ . <i>Physical Review Letters</i> , 2016, 117, 062501.   | 7.8 | 39        |
| 2  | Health risks associated with the exposure to uranium and heavy metals through potable groundwater in Uttarakhand state of India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 13-21.  | 1.5 | 35        |
| 3  | Multiple antimagnetic rotation bands in odd- $A$ nuclei. <i>Physical Review C</i> , 2013, 87, 014307.   | 2.9 | 33        |
| 4  | Experimental measurements and GEANT4 simulations for a comparative study of efficiencies of $^{137}\text{Cs}$ , $^{132}\text{I}$ , and $^{132}\text{Te}$ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 610, 522-529. | 1.6 | 29        |
| 5  | Pulse shape discrimination properties of $^{137}\text{Cs}$ single crystal in comparison with $^{228}\text{Ac}$ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 840, 186-191.   | 1.6 | 25        |
| 6  | Radiological impact assessment of soil and groundwater of Himalayan regions in Uttarakhand, India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 323, 1269-1282.  | 1.5 | 25        |
| 7  | Studying the properties and response of a large volume (946 cm <sup>3</sup> ) $^{137}\text{Cs}$ detector with $^{137}\text{Cs}$ source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 870, 105-110.                    | 1.6 | 24        |
| 8  | Quadrupole collectivity in $^{137}\text{Cs}$ . <i>Physical Review C</i> , 2018, 97, 014307.   | 2.9 | 22        |
| 9  | Efficiency calibration and simulation of a $^{137}\text{Cs}$ detector in close geometry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 609, 183-186.   | 1.6 | 21        |
| 10 | A comprehensive study of radon levels and associated radiation doses in Himalayan groundwater. <i>Acta Geophysica</i> , 2018, 66, 1223-1231.  | 2.0 | 15        |
| 11 | Dose assessment from the exposure to attached and unattached progeny of radon and thoron in indoor environment. <i>Acta Geophysica</i> , 2018, 66, 1187-1194.   | 2.0 | 13        |
| 12 | A $^{137}\text{Cs}$ - $^{132}\text{I}$ Phoswich for X- and low energy astronomy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 623, 995-998.   | 1.6 | 12        |
| 13 | Efficiency calibration and coincidence summing correction for large arrays of $^{137}\text{Cs}$ detectors in soccer-ball and castle geometries. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 611, 76-83.              | 1.6 | 11        |
| 14 | Characterization of a 2 $\times$ 2 array of large square bars of $^{137}\text{Cs}$ detectors with $^{137}\text{Cs}$ -rays up to 22.5 MeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 883, 183-190.                  | 1.6 | 10        |
| 15 | A novel versatile phoswich detector consisting of single crystal scintillators. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 951, 162982.   | 1.6 | 9         |
| 16 | Some studies on the pulse-height loss due to capacitive decay in the detector-circuit of parallel plate ionization chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 566, 540-551.                               | 1.6 | 7         |
| 17 | Title is missing!. <i>Acta Physica Polonica B</i> , 2011, 42, 817.  | 0.8 | 7         |
| 18 | Towards the Determination of Superdeformation in $^{42}\text{Ca}$ . <i>Acta Physica Polonica B</i> , 2013, 44, 617.   | 0.8 | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Effect of substrate temperature on structural and optical properties of nanostructured ZnO thin films grown by RF magnetron sputtering. , 2011, , .   |     | 5         |
| 20 | Efficiency calibration and coincidence summing correction for a large volume (946 cm <sup>3</sup> ) LaBr <sub>3</sub> (Ce) detector: GEANT4 simulations and experimental measurements. Applied Radiation and Isotopes, 2016, 118, 32-37.                                      | 1.5 | 5         |
| 21 | Thermal Neutron Discrimination Using a Novel Phoswich Detector of Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> :Ce,B and CsI:Tl Single Crystals. IEEE Transactions on Nuclear Science, 2020, 67, 2415-2420.  | 2.0 | 5         |
| 22 | Estimation of Ballistic Deficits for Ionization Chamber Pulses in Pulse Shaping Amplifiers. , 0, , .  |     | 4         |
| 23 | Ballistic Deficits for Ionization Chamber Pulses in Pulse Shaping Amplifiers. IEEE Transactions on Nuclear Science, 2007, 54, 333-341.  | 2.0 | 4         |
| 24 | Growth of highly transparent and conductive CdO thin films deposited at different thicknesses by RF reactive magnetron sputtering. Materials Research Innovations, 2015, 19, 204-211.   | 2.3 | 4         |
| 25 | Intrinsic Resolution of Compton Electrons in CeBr <sub>3</sub> Scintillator Using Compact CCT. IEEE Transactions on Nuclear Science, 2018, 65, 616-620.   | 2.0 | 4         |
| 26 | Title is missing!. Acta Physica Polonica B, 2011, 42, 643.  | 0.8 | 3         |
| 27 | Synthesis, crystal structure, thermal, photoluminescent and magnetic properties of a new material: Na <sub>2</sub> [Ni(C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ].6H <sub>2</sub> O. Journal of Molecular Structure, 2019, 1178, 155-161. | 3.6 | 3         |
| 28 | Structural and optical properties of AgO thin films grown by RF reactive magnetron sputtering technique. , 2013, , .  |     | 2         |
| 29 | Efficiency Studies on Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> :Ce Scintillators: Simulations and Measurements. IEEE Transactions on Nuclear Science, 2018, 65, 2109-2113.   | 2.0 | 2         |
| 30 | The Effect of Codoping on Pulse-Shape Discrimination Properties of Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> :Ce Single Crystals. IEEE Transactions on Nuclear Science, 2019, 66, 2440-2445.  | 2.0 | 2         |
| 31 | Simulation of the Effect of Capacitive Decay of Detector-Circuit on the Detector Response. , 0, , .   |     | 1         |
| 32 | Studies in Nuclear Structure and Big Bang Nucleosynthesis Using Proton Beams. Acta Physica Polonica B, 2019, 50, 377.   | 0.8 | 1         |
| 33 | Large Pulse-Height Loss due to Capacitive Decay in the Detector-Circuit During Collection of Charges. , 2006, , .   |     | 0         |
| 34 | A Simple Technique for Identifying Natural Alpha Emitters. , 2006, , .  |     | 0         |
| 35 | Measurements of Ballistic Deficits for Parallel Plate Ionization Chambers. , 2006, , .  |     | 0         |
| 36 | Intrinsic resolution of NaI(Tl) using PIXIE-4 data acquisition system. , 2017, , .  |     | 0         |

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|----|---|-----|-----------|
| 37 | Efficiency Calibration of CeBr $3 \times 3$ Scintillator: Simulations and Measurements. , 2017, , .   |     | 0         |
| 38 | Energy resolution of Compton electrons in LaCl <sub>3</sub> :Ce using compact digitizer. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 1527. | 1.5 | 0         |
| 39 | Performance studies of compact GGAG:Ce,B thermal neutron detector coupled to Si-based photosensors. Pramana - Journal of Physics, 2021, 95, 1.              | 1.8 | 0         |