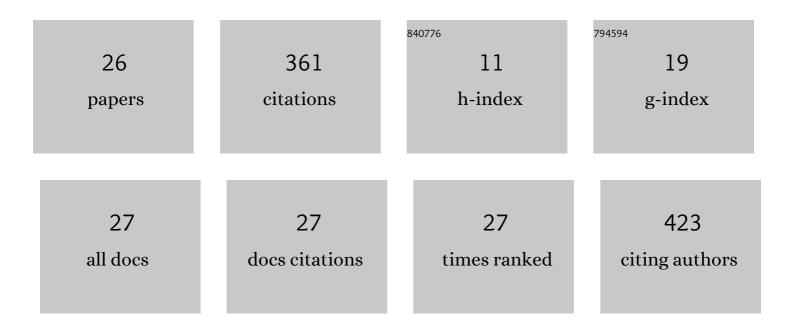
## Muhammad Sabieh Anwar

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Reducing noise by repetition: introduction to signal averaging. European Journal of Physics, 2010, 31, 453-465.  | 0.6 | 62        |
| 2  | Chitosan-based electrospun nanofibrous mats, hydrogels and cast films: novel anti-bacterial wound dressing matrices. Journal of Materials Science: Materials in Medicine, 2015, 26, 136.   | 3.6 | 47        |
| 3  | Triethyl orthoformate mediated a novel crosslinking method for the preparation of hydrogels for<br>tissue engineering applications: characterization and in vitro cytocompatibility analysis. Materials<br>Science and Engineering C, 2015, 56, 154-164. | 7.3 | 46        |
| 4  | Investigating viscous damping using a webcam. American Journal of Physics, 2010, 78, 433-436.  | 0.7 | 25        |
| 5  | Magneto-optical effects in the Landau level manifold of 2D lattices with spin-orbit interaction. Optics Express, 2019, 27, 23217.  | 3.4 | 21        |
| 6  | Magneto-optic modulation of lateral and angular shifts in spin-orbit coupled members of the graphene family. OSA Continuum, 2020, 3, 878.  | 1.8 | 21        |
| 7  | Valley and spin polarized quantized spin dependent photonic shifts in topological silicene. Physics<br>Letters, Section A: General, Atomic and Solid State Physics, 2021, 401, 127342.   | 2.1 | 20        |
| 8  | Complete Stokes polarimetry of magneto-optical Faraday effect in a terbium gallium garnet crystal at<br>cryogenic temperatures. Optics Express, 2013, 21, 25148.   | 3.4 | 15        |
| 9  | Transitional Faraday and Kerr effect in hybridized topological insulator thin films. Optical Materials<br>Express, 2021, 11, 525.  | 3.0 | 14        |
| 10 | Video-based spatial portraits of a nonlinear vibrating string. American Journal of Physics, 2012, 80, 862-869.   | 0.7 | 13        |
| 11 | Quantized Goos-HÃ <b>¤</b> chen shifts on the surface of hybridized topological insulator thin films. Physica<br>E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114819.   | 2.7 | 13        |
| 12 | Ultralarge magneto-optic rotations and rotary dispersion in terbium gallium garnet single crystal.<br>Applied Optics, 2015, 54, 5549.  | 2.1 | 10        |
| 13 | Experimental determination of heat capacities and their correlation with theoretical predictions.<br>American Journal of Physics, 2011, 79, 1099-1103.   | 0.7 | 9         |
| 14 | Accessing select properties of the electron with ImageJ: an open-source image-processing paradigm.<br>European Journal of Physics, 2014, 35, 015011.   | 0.6 | 8         |
| 15 | Precise measurement of velocity dependent friction in rotational motion. European Journal of Physics, 2011, 32, 1367-1375.   | 0.6 | 7         |
| 16 | Inexpensive Data Acquisition with a Sound Card. Physics Teacher, 2011, 49, 537-539.  | 0.3 | 4         |
| 17 | Fourier analysis of thermal diffusive waves. American Journal of Physics, 2014, 82, 928-933.   | 0.7 | 4         |
| 18 | Low temperature Voigt effect in the terbium gallium garnet crystal. Optics Express, 2017, 25, 30550.   | 3.4 | 4         |

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|----|--|-----|-----------|
| 19 | Dielectric and magnetic investigations of mixed cubic spinel Co-ferrites with controlled Mg content.<br>Journal of Electroceramics, 2015, 34, 122-129.                   | 2.0 | 3         |
| 20 | Optimization of DyFe nanostructures using E-beam lithography for magneto-optical applications.<br>Journal of Magnetism and Magnetic Materials, 2019, 469, 196-202.       | 2.3 | 3         |
| 21 | Undesired gradients in lowâ€field magnetic resonance imaging. Concepts in Magnetic Resonance Part A:<br>Bridging Education and Research, 2009, 34A, 173-190.             | 0.5 | 2         |
| 22 | Curie point, susceptibility, and temperature measurements of rapidly heated ferromagnetic wires.<br>Review of Scientific Instruments, 2010, 81, 124904.                  | 1.3 | 2         |
| 23 | A visual classroom demonstration of frustrated total internal reflection as an analogue to optical tunnelling. European Journal of Physics, 2013, 34, 1439-1443.         | 0.6 | 2         |
| 24 | Analyzing combinations of circular birefringence, linear birefringence, and elliptical dichroism in magneto-optical rotators. Journal of Modern Optics, 2015, 62, 75-84. | 1.3 | 2         |
| 25 | Magnetic Dynamics and All-Optical Switching in 5 nm Dy–Fe Nanostructures. IEEE Transactions on Magnetics, 2018, 54, 1-6.   | 2.1 | 2         |
| 26 | Quantum process tomography of a magneto-optic transformation. Physics Letters, Section A: General,<br>Atomic and Solid State Physics, 2021, 406, 127467.                 | 2.1 | 2         |