Muhammad Sabieh Anwar

List of Publications by Year
in descending order

26	361	840776 11	794594 19
papers	citations	h-index	g-index

27	27	27	423
all docs	docs citations	times ranked	citing authors

#	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 tissue engineering applications: characterization and in vitro cytocompatibility analysis. Materials 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 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 cryogenic temperatures. Optics Express, 2013, 21, 25148.	3.4	15
9	Transitional Faraday and Kerr effect in hybridized topological insulator thin films. Optical Materials 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-HÃnchen shifts on the surface of hybridized topological insulator thin films. Physica 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. Applied Optics, 2015, 54, 5549.	2.1	10
13	Experimental determination of heat capacities and their correlation with theoretical predictions. 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. 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

#	Article	IF	Citations
19	Dielectric and magnetic investigations of mixed cubic spinel Co-ferrites with controlled Mg content. Journal of Electroceramics, 2015, 34, 122-129.	2.0	3
20	Optimization of DyFe nanostructures using E-beam lithography for magneto-optical applications. 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: Bridging Education and Research, 2009, 34A, 173-190.	0.5	2
22	Curie point, susceptibility, and temperature measurements of rapidly heated ferromagnetic wires. 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 Dyâ€“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, Atomic and Solid State Physics, 2021, 406, 127467.	2.1	2