

# Muhammad Sabieh Anwar

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

361  
citations

840728

11  
h-index

794568

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transitional Faraday and Kerr effect in hybridized topological insulator thin films. <i>Optical Materials Express</i> , 2021, 11, 525.	3.0	14
2	Valley and spin polarized quantized spin dependent photonic shifts in topological silicene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 401, 127342.	2.1	20
3	Quantum process tomography of a magneto-optic transformation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 406, 127467.	2.1	2
4	Quantized Goos-Hänchen shifts on the surface of hybridized topological insulator thin films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 134, 114819.	2.7	13
5	Magneto-optic modulation of lateral and angular shifts in spin-orbit coupled members of the graphene family. <i>OSA Continuum</i> , 2020, 3, 878.	1.8	21
6	Optimization of DyFe nanostructures using E-beam lithography for magneto-optical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 196-202.	2.3	3
7	Magneto-optical effects in the Landau level manifold of 2D lattices with spin-orbit interaction. <i>Optics Express</i> , 2019, 27, 23217.	3.4	21
8	Magnetic Dynamics and All-Optical Switching in 5 nm Dy <sup>2+</sup> Fe Nanostructures. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-6.	2.1	2
9	Low temperature Voigt effect in the terbium gallium garnet crystal. <i>Optics Express</i> , 2017, 25, 30550.	3.4	4
10	Chitosan-based electrospun nanofibrous mats, hydrogels and cast films: novel anti-bacterial wound dressing matrices. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 136.	3.6	47
11	Dielectric and magnetic investigations of mixed cubic spinel Co-ferrites with controlled Mg content. <i>Journal of Electroceramics</i> , 2015, 34, 122-129.	2.0	3
12	Triethyl orthoformate mediated a novel crosslinking method for the preparation of hydrogels for tissue engineering applications: characterization and in vitro cytocompatibility analysis. <i>Materials Science and Engineering C</i> , 2015, 56, 154-164.	7.3	46
13	Ultralarge magneto-optic rotations and rotary dispersion in terbium gallium garnet single crystal. <i>Applied Optics</i> , 2015, 54, 5549.	2.1	10
14	Analyzing combinations of circular birefringence, linear birefringence, and elliptical dichroism in magneto-optical rotators. <i>Journal of Modern Optics</i> , 2015, 62, 75-84.	1.3	2
15	Accessing select properties of the electron with ImageJ: an open-source image-processing paradigm. <i>European Journal of Physics</i> , 2014, 35, 015011.	0.6	8
16	Fourier analysis of thermal diffusive waves. <i>American Journal of Physics</i> , 2014, 82, 928-933.	0.7	4
17	Complete Stokes polarimetry of magneto-optical Faraday effect in a terbium gallium garnet crystal at cryogenic temperatures. <i>Optics Express</i> , 2013, 21, 25148.	3.4	15
18	A visual classroom demonstration of frustrated total internal reflection as an analogue to optical tunnelling. <i>European Journal of Physics</i> , 2013, 34, 1439-1443.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Video-based spatial portraits of a nonlinear vibrating string. American Journal of Physics, 2012, 80, 862-869.	0.7	13
20	Inexpensive Data Acquisition with a Sound Card. Physics Teacher, 2011, 49, 537-539.	0.3	4
21	Precise measurement of velocity dependent friction in rotational motion. European Journal of Physics, 2011, 32, 1367-1375.	0.6	7
22	Experimental determination of heat capacities and their correlation with theoretical predictions. American Journal of Physics, 2011, 79, 1099-1103.	0.7	9
23	Reducing noise by repetition: introduction to signal averaging. European Journal of Physics, 2010, 31, 453-465.	0.6	62
24	Curie point, susceptibility, and temperature measurements of rapidly heated ferromagnetic wires. Review of Scientific Instruments, 2010, 81, 124904.	1.3	2
25	Investigating viscous damping using a webcam. American Journal of Physics, 2010, 78, 433-436.	0.7	25
26	Undesired gradients in low-field magnetic resonance imaging. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2009, 34A, 173-190.	0.5	2