

# Masroor Ikram

## List of Publications by Year in descending order

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51  
papers

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501196

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docs citations

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times ranked

761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of synergistic effects of Ficus Carica leaves extract mediated chemo-photodynamic therapy on rhabdomyosarcoma cells. Photodiagnosis and Photodynamic Therapy, 2021, 36, 102565.	2.6	10
2	Polarimetric comparison of fresh and frozen skeletal muscle tissues of goat. Photodiagnosis and Photodynamic Therapy, 2020, 32, 102071.	2.6	5
3	Machine assisted classification of chicken, beef and mutton tissues using optical polarimetry and Bagging model. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101779.	2.6	12
4	Effective phthalocyanines mediated photodynamic therapy with doxorubicin or methotrexate combination therapy at sub-micromolar concentrations in vitro. Photodiagnosis and Photodynamic Therapy, 2018, 22, 51-64.	2.6	15
5	In vitro anticancer activities of Withania coagulans against HeLa, MCF-7, RD, RG2, and INS-1 cancer cells and phytochemical analysis. Integrative Medicine Research, 2018, 7, 184-191.	1.8	21
6	Raman spectroscopy based screening of IgG positive and negative sera for dengue virus infection. Laser Physics Letters, 2017, 14, 115601.	1.4	3
7	Polarization image segmentation of radiofrequency ablated porcine myocardial tissue. PLoS ONE, 2017, 12, e0175173.	2.5	23
8	Polarimetry based partial least square classification of ex vivo healthy and basal cell carcinoma human skin tissues. Photodiagnosis and Photodynamic Therapy, 2016, 14, 134-141.	2.6	23
9	Polarimetric assessment of healthy and radiofrequency ablated porcine myocardial tissue. Journal of Biophotonics, 2016, 9, 750-759.	2.3	25
10	Dice-and-fill processing and characterization of microscale and high-aspect-ratio (K, Na)NbO <sub>3</sub> -based lead-free piezoelectric composites. Ceramics International, 2016, 42, 10745-10750.	4.8	23
11	A comparison of image processing techniques for optical interference fringe analysis. Photonic Sensors, 2015, 5, 304-311.	5.0	6
12	On the Structural Analysis of <sup>3</sup> Ray Induced Primary Free Radicals in UHMWPE and Vitamin E Stabilized UHMWPE by ESR Spectroscopy. Journal of Spectroscopy, 2015, 2015, 1-8.	1.3	4
13	Ex vivo characterization of normal and adenocarcinoma colon samples by Mueller matrix polarimetry. Journal of Biomedical Optics, 2015, 20, 056012.	2.6	72
14	Optical coherence tomography for glucose monitoring in blood. Applied Physics B: Lasers and Optics, 2015, 120, 355-366.	2.2	16
15	Study of low doses cisplatin synergistic effect on photodynamic outcome of aluminum phthalocyanine on soft tissue sarcoma (RD) cell line. Photodiagnosis and Photodynamic Therapy, 2015, 12, 146-149.	2.6	8
16	Large angular range carousel interferometer for spectroscopic applications. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2015, 118, 829-833.	0.6	0
17	Analysis of Pulse-Laser-Induced Modifications on High-Density Polyethylene for Laser Processing of Polyethylene. Journal of Russian Laser Research, 2015, 36, 258-268.	0.6	6
18	Spectroscopic and sub optical band gap properties of e-beam irradiated ultra-high molecular weight polyethylene. Radiation Physics and Chemistry, 2015, 117, 172-177.	2.8	11

#	ARTICLE	IF	CITATIONS
19	Effects of varying local temperature on the optical properties of cells in-vitro. Photodiagnosis and Photodynamic Therapy, 2015, 12, 459-465.	2.6	7
20	Correlation of residual radical <sup>•</sup> s with three phase morphology of UHMWPE: Analysis for the dependence on heat involved during vitamin E diffusion. European Polymer Journal, 2014, 53, 13-21.	5.4	10
21	Fabrication of 1 <sup>•</sup> 3 connectivity (Ba <sub>0.95</sub> Pb <sub>0.05</sub> )(Ti <sub>0.99</sub> Co <sub>0.01</sub> )O <sub>3</sub> /monothane-A70 composites by die-pressing method and their electrical characterizations. Ceramics International, 2014, 40, 11477-11484.	4.8	4
22	Fast processing of optical fringe movement in displacement sensors without using an ADC. Photonic Sensors, 2013, 3, 241-245.	5.0	3
23	EPR Study of <sup>13</sup> Irradiated UHMWPE Doped with Vitamin E: Assessment of Thermal Effects on the Organic Radicals During Vitamin E Diffusion. Applied Magnetic Resonance, 2013, 44, 531-542.	1.2	11
24	Assessment of residual radicals in <sup>13</sup> -sterilized shelf-aged UHMWPE stabilized with $\alpha$ -tocopherol. Polymer Degradation and Stability, 2013, 98, 1256-1263.	5.8	14
25	Object extraction from T2 weighted brain MR image using histogram based gradient calculation. Pattern Recognition Letters, 2013, 34, 1356-1363.	4.2	17
26	Polarimetric study of leukemia human peripheral blood smears in 400 <sup>•</sup> 800nm spectral range. Optik, 2013, 124, 2936-2942.	2.9	5
27	Ex Vivo Assessment of Carbon Tetrachloride (CCl <sub>4</sub> )-Induced Chronic Injury Using Polarized Light Spectroscopy. Applied Spectroscopy, 2013, 67, 1382-1389.	2.2	11
28	Colorization and Automated Segmentation of Human T2 MR Brain Images for Characterization of Soft Tissues. PLoS ONE, 2012, 7, e33616.	2.5	25
29	In vitro studies of Photofrin <sup>®</sup> mediated photodynamic therapy on human rhabdomyosarcoma cell line (RD). Laser Physics, 2012, 22, 286-293.	1.2	10
30	In vivo study of laser irradiation of fractionated drug administration based mechanism for effective photodynamic therapy in rat liver. Laser Physics, 2012, 22, 317-321.	1.2	11
31	In vitro study of cell death with 5-aminolevulinic acid based photodynamic therapy to improve the efficiency of cancer treatment. Laser Physics, 2012, 22, 626-633.	1.2	6
32	Quantification of glucose levels in flowing blood using M-mode swept source optical coherence tomography. Laser Physics, 2012, 22, 797-804.	1.2	14
33	M-mode swept source optical coherence tomography for quantification of salt concentration in blood: An in vitro study. Laser Physics, 2012, 22, 1002-1010.	1.2	8
34	Do different turbid media with matched bulk optical properties also exhibit similar polarization properties?. Biomedical Optics Express, 2011, 2, 3248.	2.9	38
35	Optical properties of normal and thermally coagulated chicken liver tissue measured ex-vivo with diffuse reflectance. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 110, 313-319.	0.6	21
36	Modeling of light propagation in turbid medium using Monte Carlo simulation technique. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 111, 107-112.	0.6	8

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37	Photodynamic therapy of non-melanoma skin cancers. Laser Physics, 2011, 21, 427-433.	1.2	15
38	Cytotoxic and photocytotoxic effect of Photofrin <sup>®</sup> on human laryngeal carcinoma (Hep2c) cell line. Laser Physics, 2011, 21, 1235-1242.	1.2	27
39	Can temporal analysis of optical coherence tomography statistics report on dextrorotatory-glucose levels in blood?. Laser Physics, 2011, 21, 1962-1971.	1.2	32
40	The potential applications of ZnO nanoparticles conjugated with ALA and photofrin as a biomarker in HepG2 cells. Laser Physics, 2011, 21, 2156-2164.	1.2	18
41	Study of the efficacy of 5 ALA-mediated photodynamic therapy on human larynx squamous cell carcinoma (Hep2c) cell line. Laser Physics, 2010, 20, 1673-1678.	1.2	29
42	Study of the efficacy of 5-ALA mediated photodynamic therapy on human rhabdomyosarcoma cell line (RD). Laser Physics Letters, 2010, 7, 757-764.	1.4	72
43	Femtosecond light distribution at skin and liver of rats: analysis for use in optical diagnostics. Laser Physics Letters, 2010, 7, 889-898.	1.4	50
44	Measurement of angle and axis of rotation in a carousel interferometer: a detailed analysis. Applied Optics, 2010, 49, 1025.	2.1	1
45	<i>In vitro</i> study of 5-aminolevulinic acid-based photodynamic therapy for apoptosis in human cervical HeLa cell line. Laser Physics Letters, 2009, 6, 886-891.	1.4	65
46	Optical measurements of angle and axis of rotation. Optics Letters, 2008, 33, 2419.	3.3	14
47	Formulation of a Mueller matrix for modeling of depolarization and scattering of nitrobenzene in a Kerr cell. Applied Optics, 2005, 44, 1171.	2.1	9
48	Optimization of linearity by use of a glass plate in carousel interferometers. Optics Letters, 2004, 29, 1930.	3.3	4
49	Remote sensing for flow induced vibrations in the PARR-1 core assembly. Nuclear Engineering and Design, 2001, 205, 323-331.	1.7	0
50	Michelson interferometer for precision angle measurement. Applied Optics, 1999, 38, 113.	2.1	69
51	Waveguide CO <sub>2</sub> Lasers: Frequency Stability, Frequency Locking and Measurements of Dipole Moments of $\nu_6$ and $\nu_8$ Vibrational States in Formic Acid. Journal of Modern Optics, 1990, 37, 759-768.	1.3	2