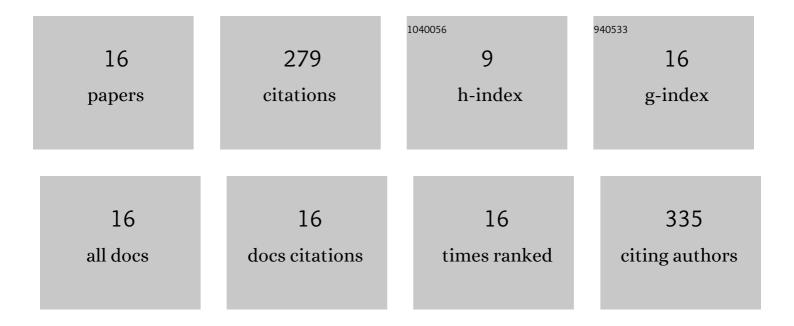
## Mahmoud Abdelhamid

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Analysis of explosive residues in human fingerprints using optical catapulting–laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2011, 26, 1445.	3.0	62
2	Depth profiling of coated metallic artifacts adopting laser-induced breakdown spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 695-701.	2.9	50
3	Low Power Argon Laser-Induced Thermal Therapy for Subcutaneous Ehrlich Carcinoma in Mice Using Spherical Gold Nanoparticles. Journal of Biomedical Nanotechnology, 2010, 6, 687-693.	1.1	26
4	Sorting zamak alloys via chemometric analysis of their LIBS spectra. Analytical Methods, 2017, 9, 3696-3703.	2.7	19
5	The significance of nano-shapes in nanoparticle-enhanced laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2020, 35, 2982-2989.	3.0	19
6	Depth profiling of alumina thin films using laser induced breakdown spectroscopy: Structural and morphological dependence. Thin Solid Films, 2018, 653, 293-300.	1.8	18
7	Laser-induced breakdown spectroscopy on metallic samples at very low temperature in different ambient gas pressures. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 116, 1-7.	2.9	15
8	Laser-induced modifications of gold nanoparticles and their cytotoxic effect. Journal of Biomedical Optics, 2012, 17, 068001.	2.6	12
9	Exploiting LIBS to analyze selected rocks and to determine their surface hardness based on the diagnostics of laser-induced plasma. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	11
10	Photodegradation mechanisms of reactive blue 19 dye under UV and simulated solar light irradiation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119481.	3.9	9
11	Thermo-Optical Characterization of Cu- and Zr-Modified TiO2 Photocatalysts by Beam Deflection Spectrometry. Applied Sciences (Switzerland), 2021, 11, 10937.	2.5	9
12	Production of aerosols by optical catapulting: Imaging, performance parameters and laser-induced plasma sampling rate. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 89, 1-6.	2.9	8
13	Discrimination between the authentic and fake Egyptian funerary figurines "Ushabtis―via laser-induced breakdown spectroscopy. Journal of Cultural Heritage, 2019, 40, 25-33.	3.3	8
14	Laserâ€induced breakdown spectroscopy and chemometric analysis of black toners for forensic applications. Journal of Chemometrics, 2021, 35, e3334.	1.3	8
15	Subcellular Toxicity of Gold Nanoparticles Irradiated with 532 nm Pulsed Laser. Photomedicine and Laser Surgery, 2014, 32, 360-367.	2.0	3
16	Spectrochemical Analytical Follow up of Phytoremediation of Oil-Contaminated Soil. Soil and Sediment Contamination, 2018, 27, 485-500.	1.9	2