

Mahmoud Abdelhamid

List of Publications by Year in descending order

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16
papers

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1040056

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335
citing authors

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