Muliadi Ramli, SSi, MSi

List of Publications by Year
in descending order

31 papers	385 citations	759233 12 h-index	794594 19 g-index
31 all docs	31 docs citations	31 times ranked	231 citing authors

#	Article	IF	Citations
1	Controlling the diffusion of micro-volume Pb solution on hydrophobic polyurethane membrane for quantitative analysis using laser-induced breakdown spectroscopy (LIBS). Arabian Journal of Chemistry, 2022, 15, 103812.	4.9	5
2	Composite Catalyst of Palm Mill Fly Ash-Supported Calcium Oxide Obtained from Eggshells for Transesterification of Off-Grade Palm Oil. Catalysts, 2020, 10, 724.	3.5	10
3	Underlying physical processes for time dependent variations of He triplet and singlet intensities in laser-induced He plasma. Journal of Applied Physics, 2020, 127, 243303.	2.5	2
4	Suppression of self-absorption in laser-induced breakdown spectroscopy using a double pulse orthogonal configuration to create vacuum-like conditions in atmospheric air pressure. Scientific Reports, 2020, 10, 13278.	3.3	16
5	Emission Spectrochemical Analysis of Soft Samples Including Raw Fish by Employing Laser-Induced Breakdown Spectroscopy with a Subtarget at Low-Pressure Helium Gas. ACS Omega, 2020, 5, 16811-16818.	3.5	3
6	Impregnation of CaO from Eggshell Waste with Magnetite as a Solid Catalyst (Fe3O4/CaO) for Transesterification of Palm Oil Off-Grade. Catalysts, 2020, 10, 164.	3.5	30
7	Comparison of excitation mechanisms and the corresponding emission spectra in femto second and nano second laser-induced breakdown spectroscopy in reduced ambient air and their performances in surface analysis. Journal of Laser Applications, 2020, 32, 012014.	1.7	2
8	Characteristics of laser induced breakdown investigated by a compact, nongated optical multichannel analyzer system and its potential application. Heliyon, 2020, 6, e05711.	3.2	1
9	Quantification of rare earth elements with low pressure laser induced breakdown spectroscopy employing subtarget supported micro mesh sample holder. Journal of Laser Applications, 2019, 31, .	1.7	4
10	Underlying Physical Process for the Unusual Spectral Quality of Double Pulse Laser Spectroscopy in He Gas. Analytical Chemistry, 2019, 91, 7864-7870.	6.5	7
11	Sensitive in-situ Cr analysis with high resolution and minimal destructive effect using micro-joule picosecond laser generated plasma emission in open ambient air. Microchemical Journal, 2018, 139, 327-332.	4.5	5
12	Shock wave plasma generation in low pressure ambient gas from powder sample using subtarget supported micro mesh as a sample holder and its potential applications for sensitive analysis of powder samples. Microchemical Journal, 2018, 142, 108-116.	4.5	8
13	H-D Analysis Employing Low-Pressure microjoule Picosecond Laser-Induced Breakdown Spectroscopy. Analytical Chemistry, 2017, 89, 4951-4957.	6.5	14
14	Signal enhancement of neutral He emission lines by fast electron bombardment of laser-induced He plasma. AIP Advances, 2016, 6, 085105.	1.3	4
15	A comparative study of emission efficiencies in low-pressure argon plasmas induced by picosecond and nanosecond Nd:YAG lasers. Japanese Journal of Applied Physics, 2016, 55, 116101.	1.5	3
16	Evidence of feasible hardness test on Mars using ratio of ionic/neutral emission intensities measured with laser-induced breakdown spectroscopy in low pressure CO2 ambient gas. Journal of Applied Physics, 2016, 119, .	2.5	16
17	Spectral and Dynamic Characteristics of Helium Plasma Emission and its Effect on a Laser-Ablated Target Emission in a Double-Pulse Laser-Induced Breakdown Spectroscopy (LIBS) Experiment. Applied Spectroscopy, 2015, 69, 115-123.	2.2	14
18	Quantitative and sensitive analysis of CN molecules using laser induced low pressure He plasma. Journal of Applied Physics, 2015, 117, .	2.5	5

#	Article	IF	Citations
19	Excitation mechanisms in 1â€‰mJ picosecond laser induced low pressure He plasma and the resulting spectral quality enhancement. Journal of Applied Physics, 2015, 117, .	2.5	6
20	A Comparative Study of Pressure-Dependent Emission Characteristics in Different Gas Plasmas Induced by Nanosecond and Picosecond Neodymium-Doped Yttrium Aluminum Garnet (Nd:YAG) Lasers. Applied Spectroscopy, 2013, 67, 1285-1295.	2.2	2
21	Direct evidence of mismatching effect on H emission in laser-induced atmospheric helium gas plasma. Journal of Applied Physics, 2013, 113, 053301.	2.5	8
22	Double pulse spectrochemical analysis using orthogonal geometry with very low ablation energy and He ambient gas. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 69, 56-60.	2.9	18
23	Deuterium analysis in zircaloy using ps laser-induced low pressure plasma. Journal of Applied Physics, 2011, 110, 063301.	2.5	11
24	Intensity distributions of enhanced H emission from laser-induced low-pressure He plasma and a suggested He-assisted excitation mechanism. Journal of Applied Physics, 2009, 106, 043303.	2.5	12
25	The role of He in enhancing the intensity and lifetime of H and D emissions from laser-induced atmospheric-pressure plasma. Journal of Applied Physics, 2009, 105, .	2.5	27
26	New Technique for the Direct Analysis of Food Powders Confined in a Small Hole Using Transversely Excited Atmospheric CO₂ Laser-Induced Gas Plasma. Applied Spectroscopy, 2008, 62, 1344-1348.	2.2	36
27	Study of Hydrogen and Deuterium Emission Characteristics in Laser-Induced Low-Pressure Helium Plasma for the Suppression of Surface Water Contamination. Analytical Chemistry, 2008, 80, 1240-1246.	6.5	12
28	New Method of Laser Plasma Spectroscopy for Metal Samples Using Metastable He Atoms Induced by Transversely Excited Atmospheric-Pressure CO2Laser in He Gas at 1 atm. Japanese Journal of Applied Physics, 2008, 47, 1595-1601.	1.5	12
29	Quantitative hydrogen analysis of zircaloy-4 in laser-induced breakdown spectroscopy with ambient helium gas. Applied Optics, 2007, 46, 8298.	2.1	22
30	Quantitative Hydrogen Analysis of Zircaloy-4 Using Low-Pressure Laser Plasma Technique. Analytical Chemistry, 2007, 79, 2703-2707.	6.5	38
31	Hydrogen analysis in solid samples by utilizing He metastable atoms induced by TEA CO2 laser plasma in He gas at 1Âatm. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1379-1389.	2.9	32