

# Koo Hendrik Kurniawan

## List of Publications by Year in descending order

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118  
papers

1,662  
citations

236925

25  
h-index

377865

34  
g-index

118  
all docs

118  
docs citations

118  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of Concrete Strength Using the Emission Intensity Ratio between Ca(II) 396.8 nm and Ca(I) 422.6 nm in a Nd:YAG Laser-Induced Plasma. <i>Applied Spectroscopy</i> , 2006, 60, 61-64.	2.2	83
2	Hydrogen and Deuterium Analysis Using Laser-Induced Plasma Spectroscopy. <i>Applied Spectroscopy Reviews</i> , 2006, 41, 99-130.	6.7	78
3	Review of Laser-Induced Plasma, Its Mechanism, and Application to Quantitative Analysis of Hydrogen and Deuterium. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 323-434.	6.7	73
4	Direct analysis of powder samples using transversely excited atmospheric CO <sub>2</sub> laser-induced gas plasma at 1 atm. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3279-3287.	3.7	41
5	Quantitative Hydrogen Analysis of Zircaloy-4 Using Low-Pressure Laser Plasma Technique. <i>Analytical Chemistry</i> , 2007, 79, 2703-2707.	6.5	38
6	Characteristics of a laser plasma induced by irradiation of a normal-oscillation YAG laser at low pressures. <i>Journal Physics D: Applied Physics</i> , 1997, 30, 3335-3345.	2.8	36
7	Spectrochemical Analysis of Metal Elements Electrodeposited from Water Samples by Laser-Induced Shock Wave Plasma Spectroscopy. <i>Applied Spectroscopy</i> , 2001, 55, 1229-1236.	2.2	36
8	New Technique for the Direct Analysis of Food Powders Confined in a Small Hole Using Transversely Excited Atmospheric CO <sub>2</sub> Laser-Induced Gas Plasma. <i>Applied Spectroscopy</i> , 2008, 62, 1344-1348.	2.2	36
9	Hydrogen emission by Nd-YAG laser-induced shock wave plasma and its application to the quantitative analysis of zircalloy. <i>Journal of Applied Physics</i> , 2004, 96, 1301-1309.	2.5	35
10	Carbon Analysis for Inspecting Carbonation of Concrete Using a TEA CO <sub>2</sub> Laser-Induced Plasma. <i>Applied Spectroscopy</i> , 2004, 58, 887-896.	2.2	33
11	An improved approach for hydrogen analysis in metal samples using single laser-induced gas plasma and target plasma at helium atmospheric pressure. <i>Applied Physics B: Lasers and Optics</i> , 2006, 82, 161-166.	2.2	33
12	Quantitative Analysis of Deuterium in Zircaloy Using Double-Pulse Laser-Induced Breakdown Spectrometry (LIBS) and Helium Gas Plasma without a Sample Chamber. <i>Analytical Chemistry</i> , 2012, 84, 2224-2231.	6.5	33
13	A time-resolved spectroscopic study on the shock wave plasma induced by the bombardment of a TEA CO <sub>2</sub> laser. <i>Journal Physics D: Applied Physics</i> , 1995, 28, 879-883.	2.8	32
14	Detection of Density Jump in Laser-Induced Shock Wave Plasma Using a Rainbow Refractometer. <i>Applied Spectroscopy</i> , 2001, 55, 92-97.	2.2	32
15	Hydrogen analysis in solid samples by utilizing He metastable atoms induced by TEA CO <sub>2</sub> laser plasma in He gas at 1Âatm. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1379-1389.	2.9	32
16	Hydrogen analysis of zircaloy tube used in nuclear power station using laser plasma technique. <i>Journal of Applied Physics</i> , 2004, 96, 6859-6862.	2.5	30
17	Characteristics of Hydrogen Emission in Laser Plasma Induced by Focusing Fundamental Q-sw YAG Laser on Solid Samples. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 4221-4228.	1.5	30
18	Atomic Hydrogen Emission Induced by TEA CO <sub>2</sub> Laser Bombardment on Solid Samples at Low Pressure and its Analytical Application. <i>Applied Spectroscopy</i> , 2005, 59, 115-120.	2.2	29

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19	Shock wave plasma induced by TEA CO <sub>2</sub> laser bombardment on glass samples at high pressures. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000, 55, 1591-1599.	2.9	28
20	The role of He in enhancing the intensity and lifetime of H and D emissions from laser-induced atmospheric-pressure plasma. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	27
21	Preliminary analysis of C and H in a "Sangiran" fossil using laser-induced plasma at reduced pressure. <i>Journal of Applied Physics</i> , 2005, 98, 093307.	2.5	26
22	H <sup>2</sup> D Analysis Employing Energy Transfer from Metastable Excited-State He in Double-Pulse LIBS with Low-Pressure He Gas. <i>Analytical Chemistry</i> , 2019, 91, 1571-1577.	6.5	26
23	Comprehensive study on the pressure dependence of shock wave plasma generation under TEA CO <sub>2</sub> laser bombardment on metal sample. <i>Journal Physics D: Applied Physics</i> , 2001, 34, 758-771.	2.8	25
24	Detection of deuterium and hydrogen using laser-induced helium gas plasma at atmospheric pressure. <i>Journal of Applied Physics</i> , 2005, 98, 093302.	2.5	25
25	Some notes on the role of meta-stable excited state of helium atom in laser-induced helium gas breakdown spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2007, 86, 729-734.	2.2	25
26	Atomic emission spectrometric analysis of steel and glass using a TEA CO <sub>2</sub> laser-induced shock wave plasma. <i>Analytica Chimica Acta</i> , 1995, 299, 393-399.	5.4	23
27	Filler-Modified Castor Oil-Based Polyurethane Foam for the Removal of Aqueous Heavy Metals Detected Using Laser-Induced Breakdown Spectroscopy (LIBS) Technique. <i>Polymers</i> , 2020, 12, 903.	4.5	23
28	Quantitative hydrogen analysis of zircaloy-4 in laser-induced breakdown spectroscopy with ambient helium gas. <i>Applied Optics</i> , 2007, 46, 8298.	2.1	22
29	Formation and emission characteristics of CN molecules in laser induced low pressure He plasma and its applications to N analysis in coal and fossilization study. <i>Applied Optics</i> , 2016, 55, 1731.	2.1	21
30	Hydrogen analysis in solid samples using laser-induced helium plasma at atmospheric pressure. <i>Journal of Applied Physics</i> , 2005, 98, 043105.	2.5	20
31	Quantitative Analysis of Deuterium Using Laser-Induced Plasma at Low Pressure of Helium. <i>Analytical Chemistry</i> , 2006, 78, 5768-5773.	6.5	20
32	Application of picosecond laser-induced breakdown spectroscopy to quantitative analysis of boron in meatballs and other biological samples. <i>Applied Optics</i> , 2016, 55, 8986.	2.1	20
33	Food analysis employing high energy nanosecond laser and low pressure He ambient gas. <i>Microchemical Journal</i> , 2019, 147, 356-364.	4.5	19
34	Double pulse spectrochemical analysis using orthogonal geometry with very low ablation energy and He ambient gas. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 69, 56-60.	2.9	18
35	Application of primary plasma standardization to Nd-YAG laser-induced shock wave plasma spectrometry for quantitative analysis of high concentration Au-Ag-Cu alloy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 1407-1417.	2.9	16
36	Practical soil analysis by laser induced breakdown spectroscopy employing subtarget supported micro mesh as a powder sample holder. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 137, 59-63.	2.9	16

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37	Suppression of self-absorption in laser-induced breakdown spectroscopy using a double pulse orthogonal configuration to create vacuum-like conditions in atmospheric air pressure. <i>Scientific Reports</i> , 2020, 10, 13278.	3.3	16
38	Evidence of feasible hardness test on Mars using ratio of ionic/neutral emission intensities measured with laser-induced breakdown spectroscopy in low pressure CO <sub>2</sub> ambient gas. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	16
39	Spectrochemical analysis of Cs in water and soil using low pressure laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 132, 8-12.	2.9	15
40	Spectrochemical analysis of powder using 355 nm Nd-YAG laser-induced low-pressure plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1781-1787.	3.7	14
41	Monitoring of laser processing using induced current under applied electric field on laser produced-plasma. <i>Journal of Materials Processing Technology</i> , 2009, 209, 3009-3021.	6.3	14
42	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. <i>Applied Spectroscopy</i> , 2015, 69, 115-123.	2.2	14
43	Sensitive analysis of carbon, chromium and silicon in steel using picosecond laser induced low pressure helium plasma. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 114, 1-6.	2.9	14
44	H-D Analysis Employing Low-Pressure microjoule Picosecond Laser-Induced Breakdown Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 4951-4957.	6.5	14
45	Confinement effect in enhancing shock wave plasma generation at low pressure by TEA CO <sub>2</sub> laser bombardment on quartz sample. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 531-542.	2.9	13
46	Comparative study of laser-induced plasma emission of hydrogen from zircaloy-2 samples in atmospheric and low pressure ambient helium gas. <i>Applied Physics B: Lasers and Optics</i> , 2007, 89, 291-298.	2.2	13
47	Excitation Mechanism of H, He, C, and F Atoms in Metal-Assisted Atmospheric Helium Gas Plasma Induced by Transversely Excited Atmospheric-Pressure CO <sub>2</sub> Laser Bombardment. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 122701.	1.5	13
48	Plasma emission induced by an Nd-YAG laser at low pressure on solid organic sample, its mechanism, and analytical application. <i>Journal of Applied Physics</i> , 2005, 97, 053305.	2.5	12
49	Study of Hydrogen and Deuterium Emission Characteristics in Laser-Induced Low-Pressure Helium Plasma for the Suppression of Surface Water Contamination. <i>Analytical Chemistry</i> , 2008, 80, 1240-1246.	6.5	12
50	New Method of Laser Plasma Spectroscopy for Metal Samples Using Metastable He Atoms Induced by Transversely Excited Atmospheric-Pressure CO <sub>2</sub> Laser in He Gas at 1 atm. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1595-1601.	1.5	12
51	Intensity distributions of enhanced H emission from laser-induced low-pressure He plasma and a suggested He-assisted excitation mechanism. <i>Journal of Applied Physics</i> , 2009, 106, 043303.	2.5	12
52	Crater effects on H and D emission from laser induced low-pressure helium plasma. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	12
53	Suppression of self-absorption effect in laser-induced breakdown spectroscopy by employing a Penning-like energy transfer process in helium ambient gas. <i>Optics Express</i> , 2020, 28, 9259.	3.4	12
54	Elemental analysis of bead samples using a laser-induced plasma at low pressure. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 104-112.	2.9	11

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55	Sub-target effect in film analysis using TEA CO <sub>2</sub> laser-induced plasma. <i>Current Applied Physics</i> , 2007, 7, 540-546.	2.4	11
56	Observation of exclusively He-induced H emission in cooled laser plasma. <i>Journal of Applied Physics</i> , 2011, 109, 103305.	2.5	11
57	Deuterium analysis in zircaloy using ps laser-induced low pressure plasma. <i>Journal of Applied Physics</i> , 2011, 110, 063301.	2.5	11
58	Direct Measurement of Charge Current by Employing a Mesh Electrode in the Laser Plasma Induced by a Nd:YAG Laser (I). <i>Applied Spectroscopy</i> , 2002, 56, 994-999.	2.2	10
59	Toward quantitative deuterium analysis with laser-induced breakdown spectroscopy using atmospheric-pressure helium gas. <i>Journal of Applied Physics</i> , 2010, 107, 023301.	2.5	10
60	Quantitative Deuterium Analysis of Titanium Samples in Ultraviolet Laser-Induced Low-Pressure Helium Plasma. <i>Applied Spectroscopy</i> , 2010, 64, 365-369.	2.2	10
61	Practical and highly sensitive elemental analysis for aqueous samples containing metal impurities employing electrodeposition on indium-tin oxide film samples and laser-induced shock wave plasma in low-pressure helium gas. <i>Applied Optics</i> , 2015, 54, 7592.	2.1	10
62	Preliminary study on detection sediment contamination in soil affected by the Indian Ocean giant tsunami 2004 in Aceh, Indonesia using laser-induced breakdown spectroscopy (LIBS). <i>AIP Conference Proceedings</i> , 2016, , .	0.4	10
63	Low Pressure Plasma Confined in a Miniature Cylindrical Chamber and Its Application for In-Situ Elemental Analysis. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 202-209.	1.5	9
64	Film analysis employing subtarget effect using 355Ånm Nd-YAG laser-induced plasma at low pressure. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1285-1293.	2.9	9
65	Quenching of He-induced intensity enhancement effect in H and D emission produced by Nd-doped yttrium aluminum garnet laser irradiation on solid targets in low pressure helium gas. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	9
66	Direct Powder Analysis by Laser-Induced Breakdown Spectroscopy Utilizing Laser-controlled Dust Production in a Small Chamber. <i>Journal of the Korean Physical Society</i> , 2011, 58, 1129-1134.	0.7	9
67	Direct evidence of mismatching effect on H emission in laser-induced atmospheric helium gas plasma. <i>Journal of Applied Physics</i> , 2013, 113, 053301.	2.5	8
68	Rapid Detection of Oil Pollution in Soil by Using Laser-Induced Breakdown Spectroscopy. <i>Plasma Science and Technology</i> , 2016, 18, 1186-1191.	1.5	8
69	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. <i>Microchemical Journal</i> , 2018, 142, 108-116.	4.5	8
70	Pulsed CO <sub>2</sub> laser-induced gas plasma spectroscopy based on single beam splitting for trace metal analysis on a material surface. <i>Journal of Modern Optics</i> , 2018, 65, 2195-2199.	1.3	7
71	Underlying Physical Process for the Unusual Spectral Quality of Double Pulse Laser Spectroscopy in He Gas. <i>Analytical Chemistry</i> , 2019, 91, 7864-7870.	6.5	7
72	Application of laser plasma confinement and bending effect for direct analysis of powder sample. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 1325-1332.	2.9	6

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73	Excitation mechanisms in 1â€mJ picosecond laser induced low pressure He plasma and the resulting spectral quality enhancement. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	6
74	Determination of Micronutrients and Toxic Elements in <i>Moringa Oleifera</i> Leaves by Calibration Free Laser-Induced Breakdown Spectroscopy (LIBS). <i>Analytical Letters</i> , 2022, 55, 755-769.	1.8	6
75	Excitation Mechanism of H, He, C, and F Atoms in Metal-Assisted Atmospheric Helium Gas Plasma Induced by Transversely Excited Atmospheric-Pressure CO <sub>2</sub> Laser Bombardment. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 122701.	1.5	6
76	A compact TEA CO <sub>2</sub> laser for field-based spectrochemical analysis of geological samples. <i>Optics and Laser Technology</i> , 1992, 24, 273-277.	4.6	5
77	TEA-CO <sub>2</sub> Laser-Induced Shock Wave Plasma Modulated by Wires and Needles Placed in Front of the Target at Low Pressure. <i>Applied Spectroscopy</i> , 2003, 57, 874-877.	2.2	5
78	Quantitative and sensitive analysis of CN molecules using laser induced low pressure He plasma. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	5
79	Low pressure micro-Joule picosecond laser-induced breakdown spectroscopy and its prospective applications to minimally destructive and high resolution analysis. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 096201.	1.5	5
80	Sensitive in-situ Cr analysis with high resolution and minimal destructive effect using micro-joule picosecond laser generated plasma emission in open ambient air. <i>Microchemical Journal</i> , 2018, 139, 327-332.	4.5	5
81	Unusual parallel laser irradiation for suppressing self-absorption in single pulse laser-induced breakdown spectroscopy. <i>Optics Express</i> , 2021, 29, 22593.	3.4	5
82	Deuterium Emission in Laser Plasma Induced by Transversely Excited Atmospheric Pressure CO <sub>2</sub> Laser in Low-Pressure of Helium Surrounding Gas. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 7531-7535.	1.5	4
83	Emission Characteristics of Ca and Mg Atoms in Gas Plasma Induced by the Bombardment of Transversely Excited Atmospheric CO <sub>2</sub> Laser at 1 atm. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 082403.	1.5	4
84	Nanosecond Nd-YAG laser induced plasma emission characteristics in low pressure CO <sub>2</sub> ambient gas for spectrochemical application on Mars. <i>Journal of Applied Physics</i> , 2015, 118, 083304.	2.5	4
85	Signal enhancement of neutral He emission lines by fast electron bombardment of laser-induced He plasma. <i>AIP Advances</i> , 2016, 6, 085105.	1.3	4
86	Elemental detection of arabica and robusta green bean coffee using laser-induced plasma spectroscopy. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
87	Direct evidence of laser-induced shock wave plasma from organic targets in low pressure He ambient gas, showing the effect of target hardness on its propagation speed and the resulted spectral performance. <i>Applied Optics</i> , 2017, 56, 9876.	1.8	4
88	Quantification of rare earth elements with low pressure laser induced breakdown spectroscopy employing subtarget supported micro mesh sample holder. <i>Journal of Laser Applications</i> , 2019, 31, .	1.7	4
89	Dependence of Charge Current Induced by Nd-YAG Laser Bombardment on Surrounding Gas Pressure and Laser Pulse Energy. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 7524-7530.	1.5	3
90	Demonstrations of the action and reaction law and the energy conservation law using fine spherical plastic beads. <i>Physics Education</i> , 2008, 43, 637-643.	0.5	3

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91	A comprehensive study of H emission in a TEA CO <sub>2</sub> laser-induced helium gas plasma for highly sensitive analysis of hydrogen in metal samples. <i>Journal of the Korean Physical Society</i> , 2012, 61, 49-54.	0.7	3
92	A comparative study of emission efficiencies in low-pressure argon plasmas induced by picosecond and nanosecond Nd:YAG lasers. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 116101.	1.5	3
93	Emission Spectrochemical Analysis of Soft Samples Including Raw Fish by Employing Laser-Induced Breakdown Spectroscopy with a Subtarget at Low-Pressure Helium Gas. <i>ACS Omega</i> , 2020, 5, 16811-16818.	3.5	3
94	High sensitivity hydrogen analysis in zircaloy-4 using helium-assisted excitation laser-induced breakdown spectroscopy. <i>Scientific Reports</i> , 2021, 11, 21999.	3.3	3
95	Compact N <sub>2</sub> laser oscillator- amplifier system for laser microbeam application. <i>Optics and Laser Technology</i> , 1991, 23, 115-117.	4.6	2
96	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. <i>Applied Spectroscopy</i> , 2013, 67, 1285-1295.	2.2	2
97	Examination of the capability of the laser-induced breakdown spectroscopy (LIBS) technique as the emerging laser-based analytical tool for analyzing trace elements in coal. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	2
98	Food powder analysis by using transversely excited atmospheric CO <sub>2</sub> laser-induced plasma spectroscopy. <i>Journal of Physics: Conference Series</i> , 2015, 622, 012057.	0.4	2
99	Preferential triplet over singlet emission of Zn in laser-induced plasmas. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 066101.	1.5	2
100	Underlying physical processes for time dependent variations of He triplet and singlet intensities in laser-induced He plasma. <i>Journal of Applied Physics</i> , 2020, 127, 243303.	2.5	2
101	Rapid powder analysis with laser-induced breakdown spectroscopy at low pressure ambient helium gas employing bamboo charcoal as a sample holder. <i>Journal of Laser Applications</i> , 2020, 32, .	1.7	2
102	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. <i>Journal of Laser Applications</i> , 2020, 32, 012014.	1.7	2
103	New Electrode Configuration for Measurements of the Induced Current from a Laser Plasma and Its Application to Monitoring Laser Processing. <i>Journal of the Korean Physical Society</i> , 2007, 51, 515-521.	0.7	2
104	Effects of mass difference on pressure-dependent emission characteristics in laser-induced plasma spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2006, 85, 631-636.	2.2	1
105	Rapid Quantitative Analyses of Elements on Herb Medicine and Food Powder Using TEA CO <sub>2</sub> Laser-Induced Plasma. , 2009, , .		1
106	Qualitative analysis of Pb liquid sample using laser-induced breakdown spectroscopy (LIBS). , 2013, , .		1
107	The role of Helium plasma in improving the sensitivity of Hydrogen detection in laser induced plasma spectroscopy. <i>International Journal of Modern Physics Conference Series</i> , 2014, 32, 1460338.	0.7	1
108	Reply to Comments on "Sensitive analysis of carbon, chromium and silicon in steel using picosecond laser induced low pressure helium plasma" by Zaytsev et al., <i>Spectrochim. Acta Part B</i> 118 (2016) 37-39. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 123, 184-185.	2.9	1

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109	Shock wave plasma induced emission generated by low energy nanosecond Nd:YAG laser in open air and its application to quantitative Cr analysis of low alloy steel. AIP Advances, 2018, 8, .	1.3	1
110	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
111	Metal powder-assisted laser induced breakdown spectroscopy (LIBS) using pulse CO2 laser for liquid analysis. Journal of King Saud University - Science, 2022, 34, 101901.	3.5	1
112	Twin N2 laser for time-resolved absorption spectroscopy and dye laser oscillator-amplifier pumping. Optics and Laser Technology, 1991, 23, 233-236.	4.6	0
113	<title>Excitation mechanism of hydrogen emission in the laser-induced atmospheric plasma in water sample</title>. , 2004, 5482, 68.		0
114	Frictionless Demonstration Using Fine Plastic Beads For Teaching Mechanics. , 2010, , .		0
115	Induced Current Characteristics Due to Laser Induced Plasma and Its Application to Laser Processing Monitoring. , 2011, , .		0
116	Study of thin film production of ceramic ZrO <sub>2</sub> on silicon wafer using second harmonic Nd-Yag laser with pulsed laser deposition technique. , 2012, , .		0
117	Quantification of sodium contaminant on steel surfaces using pulse CO2 laser-induced breakdown spectroscopy. Arabian Journal of Chemistry, 2022, 15, 103474.	4.9	0
118	Emission Characteristics of Ca and Mg Atoms in Gas Plasma Induced by the Bombardment of Transversely Excited Atmospheric CO <sub>2</sub> Laser at 1 atm. Japanese Journal of Applied Physics, 2012, 51, 082403.	1.5	0