

Christophe Dutouquet

List of Publications by Year in descending order

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26
papers

853
citations

516710

16
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

886
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrashort double pulse laser ablation of metals. <i>Thin Solid Films</i> , 2004, 453-454, 501-505.	1.8	187
2	Laser fluence, repetition rate and pulse duration effects on paint ablation. <i>Applied Surface Science</i> , 2006, 252, 2131-2138.	6.1	119
3	Particle Sampling by TEM Grid Filtration. <i>Aerosol Science and Technology</i> , 2013, 47, 767-775.	3.1	68
4	Aerosols Analysis by LIBS for Monitoring of Air Pollution by Industrial Sources. <i>Aerosol Science and Technology</i> , 2011, 45, 918-926.	3.1	61
5	Simulation of emission spectra from nonuniform reactive laser-induced plasmas. <i>Physical Review E</i> , 2015, 92, 053103.	2.1	52
6	Local thermal equilibrium plasma modeling for analyses of gas-phase reactions during reactive-laser ablation. <i>Journal of Applied Physics</i> , 2002, 91, 10188.	2.5	48
7	Laser-induced fluorescence probing during pulsed-laser ablation for three-dimensional number density mapping of plasma species. <i>Journal Physics D: Applied Physics</i> , 2001, 34, 3356-3363.	2.8	40
8	Analyses of gas-phase reactions during reactive laser ablation using emission spectroscopy. <i>Journal Physics D: Applied Physics</i> , 1999, 32, 2707-2713.	2.8	39
9	On-line monitoring of composite nanoparticles synthesized in a pre-industrial laser pyrolysis reactor using Laser-Induced Breakdown Spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1183-1190.	2.9	37
10	Comparative investigation of laser ablation plumes in air and argon by analysis of spectral line shapes: Insights on calibration-free laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 100, 189-196.	2.9	37
11	Compositional Analysis of Aerosols Using Calibration-Free Laser-Induced Breakdown Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 4029-4035.	6.5	27
12	Monitoring of heavy metal particle emission in the exhaust duct of a foundry using LIBS. <i>Talanta</i> , 2014, 127, 75-81.	5.5	24
13	Analysis of particle release using LIBS (laser-induced breakdown spectroscopy) and TEM (transmission) Tj ETQq1 1 0.784314 rgBT /Ov Nanoparticle Research, 2011, 13, 563-577.	1.9	23
14	On-line determination of nanometric and sub-micrometric particle physicochemical characteristics using spectral imaging-aided Laser-Induced Breakdown Spectroscopy coupled with a Scanning Mobility Particle Sizer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 1141-1152.	2.9	20
15	Analyses of the TiO ₂ - ³ system for temperature measurements in a laser-induced plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 153-164.	1.5	17
16	Sampling considerations when analyzing micrometric-sized particles in a liquid jet using laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 91, 5-11.	2.9	16
17	Detection of boron nitride radicals by emission spectroscopy in a laser-induced plasma. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 629-635.	2.9	10
18	Towards the development of safer by design TiO ₂ -based photocatalytic paint: impacts and performances. <i>Environmental Science: Nano</i> , 2021, 8, 758-772.	4.3	9

#	ARTICLE	IF	CITATIONS
19	Nano-droplet ejection and nucleation of materials submitted to non-thermal plasma filaments. EPJ Applied Physics, 2011, 56, 24019.	0.7	8
20	Determination of the elemental composition of micrometric and submicrometric particles levitating in a low pressure Radio-Frequency plasma discharge using Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 83-84, 14-20.	2.9	6
21	Analytical performances of laser-induced micro-plasma of Al samples with single and double ultrashort pulses in air and with Ar-jet: A comparative study. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 99, 163-171.	2.9	4
22	Lab-scale characterization of emissions from incineration of halogen- and sulfur-containing nanowastes by use of a tubular furnace. International Journal of Environmental Science and Technology, 0, , 1.	3.5	1
23	<title>Aluminum nitride growth by reactive pulsed laser deposition</title>. , 2000, 4070, 270.		0
24	<title>Analysis of gas-phase reactions during pulsed laser ablation using laser-induced fluorescence, absorption, and emission spectroscopy</title>. , 2002, , .		0
25	Laser-induced fluorescence probing during pulsed-laser ablation for three-dimensional number density mapping of plasma species. Journal Physics D: Applied Physics, 2002, 35, 1458-1458.	2.8	0
26	Étude des processus physico-chimiques dans un plasma produit par ablation laser pour la croissance de couches minces. European Physical Journal Special Topics, 2003, 108, 59-59.	0.2	0