

Jan Wild

List of Publications by Year in descending order

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33
papers

183
citations

1040056

9
h-index

1199594

12
g-index

33
all docs

33
docs citations

33
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of gas flow through a multi-opening orifice. <i>Vacuum</i> , 2012, 86, 1759-1763.	3.5	18
2	The use of diaphragm bellows to construct a constant pressure gas flowmeter for the flow rate range 10^{-7} Pa·m ³ /s to 10^{-1} Pa·m ³ /s. <i>Metrologia</i> , 2008, 45, 46-52.	1.2	14
3	Time-resolved emission spectra of plasma produced by excimer laser ablation of Bi-Sr-Ca-Cu and Y-Ba-Cu superconductors in the air. <i>Applied Physics Letters</i> , 1994, 64, 2025-2027.	3.3	12
4	Electron Temperature Measurement in a Premixed Flat Flame Using the Double Probe Method. <i>Contributions To Plasma Physics</i> , 2012, 52, 692-698.	1.1	11
5	Langmuir probe measurement of the bismuth plasma plume formed by an extreme-ultraviolet pulsed laser. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 405205.	2.8	11
6	Soft x-ray free-electron laser induced damage to inorganic scintillators. <i>Optical Materials Express</i> , 2015, 5, 254.	3.0	11
7	Langmuir probe measurement of plasma splitting during pulsed laser deposition. <i>Review of Scientific Instruments</i> , 2001, 72, 1597.	1.3	10
8	Analyses of gas composition in vacuum systems by mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002, 37, 1287-1291.	1.6	9
9	The Sputtering of Dust Grains: Aspects of Experimental Observations. <i>IEEE Transactions on Plasma Science</i> , 2007, 35, 297-302.	1.3	9
10	Ion beam effects on dust grains: Influence of charging history. <i>Vacuum</i> , 2006, 80, 542-547.	3.5	8
11	Preparation of superconductive Y-Ba-Cu layers formed by aggregates of released particles using laser deposition in air. <i>Applied Physics Letters</i> , 1992, 60, 1747-1749.	3.3	7
12	Preparation of thin superconducting Bi-Sr-Ca-Cu-O layers using laser deposition in air. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 209, 486-490.	1.2	6
13	Title is missing!. <i>European Physical Journal D</i> , 2003, 53, 171-177.	0.4	6
14	Experimental setup for precise measurement of losses in high-temperature superconducting transformer. <i>Cryogenics</i> , 2006, 46, 759-761.	1.7	6
15	An additional uncertainty of the throughput generated by the constant pressure gas flowmeter. <i>Journal of Physics: Conference Series</i> , 2008, 100, 092009.	0.4	6
16	Motion of species in a laser-ablated Y-Ba-Cu plasma plume studied by time-dependent attenuation of a probe beam. <i>Journal of Applied Physics</i> , 1995, 77, 2822-2824.	2.5	5
17	Unusual kinetics of ions in a discharge plasma: ambipolar diffusion and mobilities of Ar ^{D+} in argon, helium and neon. <i>Chemical Physics Letters</i> , 2003, 368, 532-537.	2.6	5
18	Ablation of ionic crystals induced by capillary-discharge XUV laser. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
19	Determination of pumping speed and its impact on the overall uncertainty budget of the CMI orifice flow standard. Metrologia, 2008, 45, 368-375.	1.2	4
20	Desorption/ablation of lithium fluoride induced by extreme ultraviolet laser radiation. Nukleonika, 2016, 61, 131-138.	0.8	4
21	TDLAS-based in situ diagnostics for the combustion of preheated ultra-lean dimethyl ether/air mixtures. Fuel, 2020, 263, 116652.	6.4	4
22	80 K superconducting Bi-Sr-Ca-Cu-O layers prepared by laser ablation in the air. Superconductor Science and Technology, 1998, 11, 1341-1343.	3.5	3
23	The computation behind consonance and dissonance. Interdisciplinary Science Reviews, 2002, 27, 299-302.	1.4	3
24	Phase-stable segmentation of BSCCO high-temperature superconductor into micro-, meso-, and nano-size fractions. Journal of Materials Research and Technology, 2020, 9, 12071-12079.	5.8	3
25	Bi(Pb)-Sr-Ca-Cu-O layers prepared by a new method of laser ablation in air. European Physical Journal D, 1997, 47, 1025-1030.	0.4	2
26	Experimental Test of the Evans TM B(3)-Field: Measuring the Interaction with Free Electrons. Foundations of Physics, 2009, 39, 1191-1196.	1.3	1
27	A RHEED and AFM study of the epitaxial growth of Pd on Pd(001). European Physical Journal D, 1995, 45, 777-784.	0.4	0
28	Time-resolved emission spectra of plasma produced by excimer laser ablation of Pb-Bi-Sr-Ca-Cu-O. European Physical Journal D, 1999, 49, 1005-1008.	0.4	0
29	Measurement of gas solutions in small samples of intermetallic alloys. European Physical Journal D, 2006, 56, 1389-1399.	0.4	0
30	Spontaneous oscillations of some gas species concentration in an UHV apparatus. Vacuum, 2007, 82, 298-302.	3.5	0
31	Global sensitivity analysis of the XUV-ABLATOR code. Proceedings of SPIE, 2013, , .	0.8	0
32	Material properties of lithium fluoride for predicting XUV laser ablation rate and threshold fluence. , 2015, , .		0
33	Ablation of single-crystalline cesium iodide by extreme ultraviolet capillary-discharge laser. Nukleonika, 2020, 65, 205-210.	0.8	0