

# Xuan Wang

## List of Publications by Year in descending order

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156  
papers

4,698  
citations

87888

38  
h-index

118850

62  
g-index

159  
all docs

159  
docs citations

159  
times ranked

3913  
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond laser pulse irradiation of solid targets as a general route to nanoparticle formation in a vacuum. <i>Physical Review B</i> , 2005, 71, .	3.2	263
2	Aerosol lidar intercomparison in the framework of the EARLINET project 3 Raman lidar algorithm for aerosol extinction, backscatter, and lidar ratio. <i>Applied Optics</i> , 2004, 43, 5370.	2.1	208
3	Generation of silicon nanoparticles via femtosecond laser ablation in vacuum. <i>Applied Physics Letters</i> , 2004, 84, 4502-4504.	3.3	197
4	Aerosol lidar intercomparison in the framework of the EARLINET project 1 Instruments. <i>Applied Optics</i> , 2004, 43, 961.	2.1	167
5	Vertical aerosol distribution over Europe: Statistical analysis of Raman lidar data from 10 European Aerosol Research Lidar Network (EARLINET) stations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	151
6	EARLINET correlative measurements for CALIPSO: First intercomparison results. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	148
7	Femtosecond laser ablation of nickel in vacuum. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 331-340.	2.8	140
8	Pulsed laser ablation of complex oxides: The role of congruent ablation and preferential scattering for the film stoichiometry. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	105
9	A record of fire, vegetation and climate through the last three glacial cycles from Lombok Ridge core C6-4, eastern Indian Ocean, Indonesia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1999, 147, 241-256.	2.3	104
10	Four-dimensional distribution of the 2010 Eyjafjallajökull volcanic cloud over Europe observed by EARLINET. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4429-4450.	4.9	95
11	Lidar-Radiometer Inversion Code (LIRIC) for the retrieval of vertical aerosol properties from combined lidar/radiometer data: development and distribution in EARLINET. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1181-1205.	3.1	92
12	Study of electron recombination in liquid argon with the ICARUS TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 523, 275-286.	1.6	87
13	The unprecedented 2017â€“2018 stratospheric smoke event: decay phase and aerosol properties observed with the EARLINET. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15183-15198.	4.9	83
14	Ultrashort laser ablation of solid matter in vacuum: a comparison between the picosecond and femtosecond regimes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, L329-L338.	1.5	74
15	Propagation of a femtosecond pulsed laser ablation plume into a background atmosphere. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	73
16	CALIPSO climatological products: evaluation and suggestions from EARLINET. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2341-2357.	4.9	73
17	Dynamics of laser-ablated MgB <sub>2</sub> plasma expanding in argon probed by optical emission spectroscopy. <i>Physical Review B</i> , 2003, 67, .	3.2	72
18	Propagation dynamics of a LaMnO <sub>3</sub> laser ablation plume in an oxygen atmosphere. <i>Journal of Applied Physics</i> , 2006, 100, 013302.	2.5	70

#	ARTICLE	IF	CITATIONS
19	Double-peak distribution of electron and ion emission profile during femtosecond laser ablation of metals. <i>Applied Surface Science</i> , 2002, 186, 358-363.	6.1	67
20	Diagnostics of laser ablated plasma plumes. <i>Thin Solid Films</i> , 2004, 453-454, 562-572.	1.8	66
21	Dynamics of the plumes produced by ultrafast laser ablation of metals. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	63
22	Double pulse ultrafast laser ablation of nickel in vacuum. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	62
23	Thermal and nonthermal ion emission during high-fluence femtosecond laser ablation of metallic targets. <i>Applied Physics Letters</i> , 2000, 77, 3728-3730.	3.3	61
24	Features of plasma plume evolution and material removal efficiency during femtosecond laser ablation of nickel in high vacuum. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 89, 1017-1024.	2.3	59
25	Femtosecond laser surface structuring of silicon using optical vortex beams generated by a q-plate. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	58
26	EARLINET instrument intercomparison campaigns: overview on strategy and results. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1001-1023.	3.1	58
27	Emission of prompt electrons during excimer laser ablation of aluminum targets. <i>Applied Physics Letters</i> , 1999, 75, 7-9.	3.3	53
28	Characterization of laser ablation of solid targets with near-infrared laser pulses of 100fs and 1ps duration. <i>Applied Surface Science</i> , 2006, 252, 4863-4870.	6.1	52
29	Substrate heating influence on plume propagation during pulsed laser deposition of complex oxides. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	52
30	Volcanic dust characterization by EARLINET during Etna's eruptions in 2001–2002. <i>Atmospheric Environment</i> , 2008, 42, 893-905.	4.1	52
31	Plasma plume effects on the conductivity of amorphous-LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces grown by pulsed laser deposition in O <sub>2</sub> and Ar. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	52
32	Laser ablation of metals by femtosecond pulses: Theoretical and experimental study. <i>Applied Surface Science</i> , 2007, 253, 7761-7766.	6.1	51
33	Measurement of the $\lambda^4$ decay spectrum with the ICARUS liquid Argon TPC. <i>European Physical Journal C</i> , 2004, 33, 233-241.	3.9	50
34	Plume propagation dynamics of complex oxides in oxygen. <i>Journal of Applied Physics</i> , 2008, 104, 053304.	2.5	50
35	fs- and ns-laser processing of polydimethylsiloxane (PDMS) elastomer: Comparative study. <i>Applied Surface Science</i> , 2015, 336, 321-328.	6.1	43
36	Emission of nanoparticles during ultrashort laser irradiation of silicon targets. <i>Europhysics Letters</i> , 2004, 67, 404-410.	2.0	42

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37	Synthesis of nickel nanoparticles and nanoparticles magnetic films by femtosecond laser ablation in vacuum. <i>Applied Surface Science</i> , 2005, 247, 71-75.	6.1	42
38	Plume composition control in double pulse ultrafast laser ablation of metals. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	42
39	Optimization of La <sub>0.7</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> complex oxide laser ablation conditions by plume imaging and optical emission spectroscopy. <i>Journal of Applied Physics</i> , 2010, 108, 043302.	2.5	38
40	Growth methods of c-axis oriented MgB <sub>2</sub> thin films by pulsed laser deposition. <i>Superconductor Science and Technology</i> , 2003, 16, 241-245.	3.5	37
41	Ultrafast Laser Ablation and Deposition of Wide Band Gap Semiconductors. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3203-3211.	3.1	37
42	Propagation of LaMnO <sub>3</sub> laser ablation plume in oxygen gas. <i>Applied Surface Science</i> , 2006, 252, 4712-4716.	6.1	36
43	Volcanic ash concentration during the 12 August 2011 Etna eruption. <i>Geophysical Research Letters</i> , 2015, 42, 2634-2641.	4.0	34
44	Monitoring Etna volcanic plumes using a scanning LiDAR. <i>Bulletin of Volcanology</i> , 2012, 74, 2383-2395.	3.0	32
45	Kinetic energy distribution of ions in the laser ablation of copper targets. <i>Applied Surface Science</i> , 1998, 127-129, 953-958.	6.1	31
46	Synthesis of nanocrystal films via femtosecond laser ablation in vacuum. <i>Journal of Physics Condensed Matter</i> , 2006, 18, L49-L53.	1.8	30
47	Lidar depolarization measurement of fresh volcanic ash from Mt. Etna, Italy. <i>Atmospheric Environment</i> , 2012, 62, 34-40.	4.1	30
48	Infrared femtosecond laser ablation of graphite in high vacuum probed by optical emission spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 981-986.	2.3	29
49	Temporally and spectrally resolved analysis of a copper plasma plume produced by ultrafast laser ablation. <i>Applied Surface Science</i> , 2009, 255, 5211-5214.	6.1	29
50	Angular distributions of plume components in ultrafast laser ablation of metal targets. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 569-574.	2.3	29
51	Fast Fourier Transform and autocorrelation function for the analysis of complex mass spectra. <i>International Journal of Mass Spectrometry</i> , 2013, 338, 30-38.	1.5	29
52	Direct femtosecond laser ablation of copper with an optical vortex beam. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	29
53	Nanoparticles size modifications during femtosecond laser ablation of nickel in vacuum. <i>Applied Surface Science</i> , 2007, 254, 1012-1016.	6.1	28
54	Multidiagnostic analysis of ultrafast laser ablation of metals with pulse pair irradiation. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	28

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55	Plume expansion dynamics during laser ablation of manganates in oxygen atmosphere. Applied Surface Science, 2007, 253, 7696-7701.	6.1	27
56	Fs-laser processing of medical grade polydimethylsiloxane (PDMS). Applied Surface Science, 2016, 374, 229-234.	6.1	26
57	Characterization of LaMnO <sub>3</sub> laser ablation in oxygen by ion probe and optical emission spectroscopy. Applied Surface Science, 2005, 248, 45-49.	6.1	25
58	Ultra-fast laser ablation and deposition of TiO <sub>2</sub> . Applied Physics A: Materials Science and Processing, 2010, 101, 639-644.	2.3	25
59	Oxygen background gas influence on pulsed laser deposition process of LaAlO <sub>3</sub> and LaGaO <sub>3</sub> . Applied Surface Science, 2012, 258, 9116-9122.	6.1	25
60	Laser-induced modification of the size distribution of nanoparticles produced during ultrashort laser ablation of solid targets in vacuum. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 1253-1258.	1.5	24
61	Ultrashort-pulse laser ablation of gold thin film targets: Theory and experiment. Thin Solid Films, 2014, 550, 190-198.	1.8	24
62	The emission of atoms and nanoparticles during femtosecond laser ablation of gold. Applied Surface Science, 2005, 248, 163-166.	6.1	23
63	Critical influence of target-to-substrate distance on conductive properties of LaGaO <sub>3</sub> /SrTiO <sub>3</sub> interfaces deposited at 10 <sup>-1</sup> mbar oxygen pressure. Applied Physics Letters, 2012, 101, 031602.	3.3	23
64	Optical emission investigation of laser-produced MgB <sub>2</sub> plume expanding in an Ar buffer gas. Applied Physics Letters, 2002, 80, 4315-4317.	3.3	22
65	An analysis of the dependence on photon energy of the process of nanoparticle generation by femtosecond laser ablation in a vacuum. Nanotechnology, 2007, 18, 145612.	2.6	21
66	An algorithm to determine cirrus properties from analysis of multiple-scattering influence on lidar signals. Applied Physics B: Lasers and Optics, 2005, 80, 609-615.	2.2	20
67	Characterization of the variability of the humidity and cloud fields as observed from a cluster of ground-based lidar systems. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 257-271.	2.7	20
68	Fast ion generation in femtosecond laser ablation of a metallic target at moderate laser intensity. Laser Physics, 2014, 24, 105902.	1.2	20
69	Atmospheric Aerosol Characterization Over Naples During 2000-2003 EARLINET Project: Planetary Boundary-Layer Evolution and Layering. Boundary-Layer Meteorology, 2009, 132, 151-165.	2.3	19
70	Ultrafast laser ablation of gold thin film targets. Journal of Applied Physics, 2011, 110, 124303.	2.5	19
71	Two-dimensional imaging of atomic and nanoparticle components in copper plasma plume produced by ultrafast laser ablation. Applied Physics A: Materials Science and Processing, 2014, 117, 313-318.	2.3	19
72	Retrieval of atmospheric particles optical properties by combining ground-based and spaceborne lidar elastic scattering profiles. Optics Express, 2007, 15, 6734.	3.4	18

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73	Parameter optimization of a visibility LiDAR for sea-fog early warnings. <i>Optics Express</i> , 2020, 28, 23829.	3.4	17
74	High fluence visible and ultraviolet laser ablation of metallic targets. <i>Applied Surface Science</i> , 1998, 127-129, 1017-1022.	6.1	16
75	Ultrafast laser ablation of metals with a pair of collinear laser pulses. <i>Applied Physics Letters</i> , 2008, 93, 191504.	3.3	16
76	Ultrafast pulsed laser deposition as a method for the synthesis of innovative magnetic films. <i>Applied Surface Science</i> , 2009, 255, 5224-5227.	6.1	16
77	Effects of oxygen background pressure on the stoichiometry of a LaGaO <sub>3</sub> laser ablation plume investigated by time and spectrally resolved two-dimensional imaging. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	16
78	Structural characterization of nanoparticles-assembled titanium dioxide films produced by ultrafast laser ablation and deposition in background oxygen. <i>Applied Surface Science</i> , 2013, 270, 307-311.	6.1	15
79	Study of the plasma plume generated during near IR femtosecond laser irradiation of silicon targets. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1377-1380.	2.3	14
80	Generation of high energy, 30 fs pulses at 527 nm by hollow-fiber compression technique. <i>Optics Express</i> , 2008, 16, 3527.	3.4	13
81	Pulsed laser ablation of borocarbide targets probed by time-of-flight mass spectrometry. <i>Optics and Lasers in Engineering</i> , 2003, 39, 179-190.	3.8	12
82	Aerosol lidar intercomparison in the framework of the EARLINET project 1 Instruments: erratum. <i>Applied Optics</i> , 2004, 43, 2578.	2.1	12
83	Controlling the conductivity of amorphous LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces by in-situ application of an electric field during fabrication. <i>Applied Physics Letters</i> , 2013, 103, 031607.	3.3	12
84	Lidar techniques for a SNSPD-based measurement. <i>Journal of Physics: Conference Series</i> , 2019, 1182, 012014.	0.4	12
85	XeF excimer laser ablation of metallic targets probed by energy-selective time-of-flight mass spectrometry. <i>Applied Surface Science</i> , 1999, 138-139, 250-255.	6.1	11
86	Characterization of Saharan dust layers over Naples (Italy) during 2000â€“2003 EARLINET project. <i>Atmospheric Research</i> , 2011, 102, 286-299.	4.1	11
87	Fs-laser processing of polydimethylsiloxane. <i>Journal of Applied Physics</i> , 2014, 116, 023104.	2.5	11
88	Expectation maximization and the retrieval of the atmospheric extinction coefficients by inversion of Raman lidar data. <i>Optics Express</i> , 2016, 24, 21497.	3.4	11
89	Optical spectroscopy diagnostics and thin film deposition of laser ablated rare earthâ€“Ni <sub>2</sub> B <sub>2</sub> C plasma plumes. <i>Chemical Physics Letters</i> , 2002, 353, 1-6.	2.6	10
90	Two-wavelength lidar inversion algorithm for determination of aerosol extinction-to-backscatter ratio and its application to CALIPSO lidar measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 320-328.	2.3	10

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91	Dynamics of femtosecond laser-produced plasma ions. Applied Physics A: Materials Science and Processing, 2014, 117, 111-115.	2.3	10
92	Laser ablation and deposition of titanium dioxide with ultrashort pulses at 527Ånm. Applied Physics B: Lasers and Optics, 2015, 119, 445-452.	2.2	10
93	Spatio-temporal monitoring by ground-based and air- and space-borne lidars of a moderate Saharan dust event affecting southern Europe in June 2013 in the framework of the ADRIMED/ChArMEX campaign. Air Quality, Atmosphere and Health, 2017, 10, 261-285.	3.3	10
94	Characterization of fast electron emission in UV laser ablation of metallic targets. Applied Physics A: Materials Science and Processing, 1999, 69, S483.	2.3	9
95	Charged species analysis in YNi2B2C laser ablation by time-of-flight mass spectrometry. Applied Surface Science, 2000, 168, 100-103.	6.1	9
96	A correlated study of laser produced plume expansion dynamics and thin film growth of manganates. Applied Surface Science, 2005, 247, 64-70.	6.1	9
97	EARLINET correlative measurements for CALIPSO. , 2007, , .		9
98	Hollow-fiber compression of visible, 200 fs laser pulses to 40 fs pulse duration. Optics Letters, 2007, 32, 1866.	3.3	9
99	Substrate heating effects on the propagation dynamics of laser produced plume during pulsed laser deposition of oxides. Applied Surface Science, 2007, 254, 790-793.	6.1	9
100	EARLINET observations of the EyjafjallajÃfÃfÃ,Ãkull ash plume over Europe. , 2010, , .		9
101	Insights on Clusters Formation Mechanism by Time of Flight Mass Spectrometry. 1. The Case of Ethanolâ€“Water Clusters. Journal of the American Society for Mass Spectrometry, 2015, 26, 1665-1675.	2.8	9
102	First Volcanic Plume Measurements by an Elastic/Raman Lidar Close to the Etna Summit Craters. Frontiers in Earth Science, 2018, 6, .	1.8	9
103	Analysis of charged fragments emitted during excimer laser ablation of YNi2B2C borocarbide targets by time-of-flight mass spectrometry. Applied Surface Science, 2002, 186, 303-308.	6.1	8
104	Development of a tunable IR lidar system. Optics and Lasers in Engineering, 2002, 37, 521-532.	3.8	8
105	Dissociative electron impact ionization of methyl tert-butyl ether: total ionization cross-section and kinetic energy distributions. Chemical Physics Letters, 2004, 400, 191-195.	2.6	8
106	Multiphoton ionization of large water clusters. Journal of Chemical Physics, 2014, 140, 204313.	3.0	8
107	Noble metallic nanostructures: preparation, properties, applications. Journal of Physics: Conference Series, 2014, 514, 012024.	0.4	8
108	Calibration of Multi-wavelength Raman Polarization Lidar. EPJ Web of Conferences, 2015, 89, 01002.	0.3	8

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109	A Bayesian parametric approach to the retrieval of the atmospheric number size distribution from lidar data. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 149-164.	3.1	8
110	Self-aligning lidar for the continuous monitoring of the atmosphere. <i>Applied Optics</i> , 1998, 37, 4758.	2.1	7
111	Retrieval of aerosol extinction-to-backscatter ratios by combining ground-based and space-borne lidar elastic scattering measurements. <i>Optics Express</i> , 2011, 19, A72.	3.4	7
112	Fluorescence anisotropy in a diffusion flame to shed light in the "dark region". <i>Proceedings of the Combustion Institute</i> , 2013, 34, 1845-1852.	3.9	7
113	Spectrally Resolved Imaging of Ultrashort Laser Produced Plasma. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2698-2699.	1.3	7
114	Roof Plane Segmentation From LiDAR Point Cloud Data Using Region Expansion Based Gradient Minimization and Graph Cut. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 10101-10116.	4.9	7
115	Built-Up Area Change Detection Using Multi-Task Network with Object-Level Refinement. <i>Remote Sensing</i> , 2022, 14, 957.	4.0	7
116	Polarization Raman lidar for atmospheric correction during remote sensing satellite calibration: instrument and test measurements. <i>Optics Express</i> , 2022, 30, 11986.	3.4	7
117	A mass spectrometric study of gasoline anti-knocking additives. <i>International Journal of Mass Spectrometry</i> , 2007, 262, 105-113.	1.5	6
118	Magnetic/non-magnetic nanoparticles films with peculiar properties produced by ultrashort pulsed laser deposition. <i>Applied Surface Science</i> , 2007, 254, 1053-1057.	6.1	5
119	Response to "Comment on 'Emission of prompt electrons during excimer laser ablation of aluminum targets'" [Appl. Phys. Lett. 76, 248 (2000)]. <i>Applied Physics Letters</i> , 2000, 76, 249-250.	3.3	4
120	Geochemical and Sr <sup>87</sup> /Nd isotopic variations in a deep-sea sediment core from Eastern Indian Ocean: Constraints on dust provenances, paleoclimate and volcanic eruption history in the last 300,000 years. <i>Marine Geology</i> , 2015, 367, 38-49.	2.1	4
121	Hydrogen-evolving photoanode of TiO <sub>2</sub> nanoparticles film deposited by a femtosecond laser. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 779-785.	7.1	4
122	Comparison and Analysis of Aerosol Lidar Network in Mega City of Beijing Using Real Lidar. , 2019, , .		4
123	Aerosol Lidar Intercomparison in the Framework of the MEMO Project. 1. Lidar Self Calibration and 1st Comparison Observation Calibration Based on Statistical Analysis Method. , 2019, , .		4
124	Pressure effects during excimer laser ablation of magnesium diboride targets. <i>Applied Surface Science</i> , 2003, 208-209, 39-44.	6.1	3
125	Characterization of atmospheric aerosol in the urban area of Napoli in the framework of EARLINET Project. , 2004, 5235, 643.		3
126	Ion kinetic energy distributions and cross sections for the electron impact ionization of ethyl tert-butyl ether. <i>Chemical Physics Letters</i> , 2005, 415, 351-356.	2.6	3

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127	Effects of substrate temperature on nanoparticle-assembled Fe films produced by ultrafast pulsed laser deposition. <i>Applied Surface Science</i> , 2012, 258, 9337-9341.	6.1	3
128	Femtosecond laser deposition of TiO <sub>2</sub> nanoparticle-assembled films with embedded CdS nanoparticles. <i>Optoelectronics Letters</i> , 2014, 10, 43-46.	0.8	3
129	The Italian phase of the EAQUATE measurement campaign. , 2005, , .		2
130	Generation and application of high energy, 30 fs pulses at 527 nm by hollow-fiber compression technique. <i>European Physical Journal: Special Topics</i> , 2009, 175, 11-14.	2.6	2
131	Influence of film thickness on topology and related magnetic interactions in Fe nanoparticle films. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	2
132	Ion dynamics in ultrafast laser ablation of copper target. <i>Chinese Optics Letters</i> , 2013, 11, 093201-93205.	2.9	2
133	LASER REMOTE SENSING FOR ENVIRONMENTAL APPLICATIONS. , 2013, , 175-205.		2
134	The spatial detection on distribution of metal nano-particles during femtosecond laser ablation. , 2009, , .		1
135	Elastomagnetic and Elastoresistive Effects in CoFe Films Produced by Femtosecond Pulsed Laser Deposition. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 479-482.	2.1	1
136	Effect of deposition temperature on morphology and magnetic properties of Co <sub>50</sub> Fe <sub>50</sub> thin films produced by femtosecond pulsed laser deposition. <i>Thin Solid Films</i> , 2011, 519, 6420-6425.	1.8	1
137	EARLINET: 12-year of Aerosol Profiling over Europe. <i>EPJ Web of Conferences</i> , 2016, 119, 19002.	0.3	1
138	Optimization of the lidar optical design for measurement of the aerosol extinction vertical profile. <i>EPJ Web of Conferences</i> , 2019, 197, 02006.	0.3	1
139	Synergetic Observations by Ground-Based and Space Lidar Systems and Aeronet Sun-Radiometers: A Step to Advanced Regional Monitoring of Large Scale Aerosol Changes. <i>EPJ Web of Conferences</i> , 2020, 237, 02035.	0.3	1
140	Tunable lidar system based on IR OPA laser source. , 1998, , .		0
141	Self-aligning lidar system and its application. , 1998, , .		0
142	<title>Excimer laser ablation of borocarbide targets</title>. , 2000, , .		0
143	<title>Prompt electron emission characterization in UV laser ablation of metallic targets</title>. , 2000, 4070, 246.		0
144	Evaluation of multiple-scattering influence on lidar measurement by iterative Monte Carlo method. , 2004, , .		0

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145	<title>Ultrashort laser ablation of metals</title>. , 2007, , .		0
146	CALIPSO correlative measurements at Napoli EARLINET station. Proceedings of SPIE, 2007, , .	0.8	0
147	Atmospheric aerosol characterization during Saharan dust outbreaks at Naples EARLINET station. Proceedings of SPIE, 2007, , .	0.8	0
148	Water vapour mixing ratio distribution in the area of Naples by Raman lidar measurements and a high resolution model. Proceedings of SPIE, 2007, , .	0.8	0
149	The relevant research on AOD and concentration of PM2.5 pollutant. , 2015, , .		0
150	Urban Aerosol Optical Properties Measurement by Elastic Counter-Look Lidar. EPJ Web of Conferences, 2016, 119, 23029.	0.3	0
151	Aerosol Layering Characterization Near the Gobi Desert by a Double Polarization Lidar System. EPJ Web of Conferences, 2016, 119, 23032.	0.3	0
152	Accurate calibration of a molecular beam time-of-flight mass spectrometer for on-line analysis of high molecular weight species. Rapid Communications in Mass Spectrometry, 2016, 30, 2183-2190.	1.5	0
153	Analysis of the influence of system parameters on the measurement accuracy of a high spectral resolution lidar. Proceedings of SPIE, 2016, , .	0.8	0
154	Development of a High Spectral Resolution Lidar for day-time measurements of aerosol extinction. EPJ Web of Conferences, 2019, 197, 02009.	0.3	0
155	Dual-wavelength dispersion characterization of confocal Fabry-Perot interferometers. Applied Optics, 2018, 57, 2361.	1.8	0
156	Multiparametric Characterization of Atmospheric Particulate in a Heavy-Polluted Area of South Italy. Atmospheric and Climate Sciences, 2022, 12, 493-516.	0.3	0