

Raffaele Velotta

List of Publications by Year in descending order

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161
papers

7,342
citations

94269

37
h-index

56606

83
g-index

164
all docs

164
docs citations

164
times ranked

5200
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolated Single-Cycle Attosecond Pulses. <i>Science</i> , 2006, 314, 443-446.	6.0	1,496
2	Role of the Intramolecular Phase in High-Harmonic Generation. <i>Physical Review Letters</i> , 2002, 88, 183903.	2.9	465
3	Design, construction and tests of the ICARUS T600 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 527, 329-410.	0.7	362
4	Characterization of laser-ablation plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, R131-R172.	0.6	345
5	Controlling Two-Center Interference in Molecular High Harmonic Generation. <i>Physical Review Letters</i> , 2005, 95, 153902.	2.9	333
6	Interference effects in high-order harmonic generation with molecules. <i>Physical Review A</i> , 2002, 66, .	1.0	328
7	High-Order Harmonic Generation in Aligned Molecules. <i>Physical Review Letters</i> , 2001, 87, .	2.9	275
8	Generation of silicon nanoparticles via femtosecond laser ablation in vacuum. <i>Applied Physics Letters</i> , 2004, 84, 4502-4504.	1.5	197
9	Colorimetric Test for Fast Detection of SARS-CoV-2 in Nasal and Throat Swabs. <i>ACS Sensors</i> , 2020, 5, 3043-3048.	4.0	152
10	Probing Orbital Structure of Polyatomic Molecules by High-Order Harmonic Generation. <i>Physical Review Letters</i> , 2007, 98, 203007.	2.9	137
11	Role of orbital symmetry in high-order harmonic generation from aligned molecules. <i>Physical Review A</i> , 2004, 69, .	1.0	97
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.	0.7	87
13	Ultrasensitive antibody-aptamer plasmonic biosensor for malaria biomarker detection in whole blood. <i>Nature Communications</i> , 2020, 11, 6134.	5.8	85
14	Revealing molecular structure and dynamics through high-order harmonic generation driven by mid-IR fields. <i>Physical Review A</i> , 2010, 81, .	1.0	84
15	QCM-based immunosensor for rapid detection of <i>Salmonella Typhimurium</i> in food. <i>Scientific Reports</i> , 2018, 8, 16137.	1.6	83
16	High-order harmonic generation in laser-aligned molecules. <i>Physical Review A</i> , 2002, 65, .	1.0	78
17	Detection of parathion and patulin by quartz-crystal microbalance functionalized by the photonics immobilization technique. <i>Biosensors and Bioelectronics</i> , 2015, 67, 224-229.	5.3	77
18	Dynamics of laser-ablated MgB ₂ plasma expanding in argon probed by optical emission spectroscopy. <i>Physical Review B</i> , 2003, 67, .	1.1	72

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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.	3.1	67
20	Colorimetric Immunosensor by Aggregation of Photochemically Functionalized Gold Nanoparticles. <i>ACS Omega</i> , 2018, 3, 3805-3812.	1.6	67
21	Diagnostics of laser ablated plasma plumes. <i>Thin Solid Films</i> , 2004, 453-454, 562-572.	0.8	66
22	Thermal and nonthermal ion emission during high-fluence femtosecond laser ablation of metallic targets. <i>Applied Physics Letters</i> , 2000, 77, 3728-3730.	1.5	61
23	Extension of high harmonic spectroscopy in molecules by a 1300 nm laser field. <i>Optics Express</i> , 2010, 18, 3174.	1.7	61
24	Detection of Parathion Pesticide by Quartz Crystal Microbalance Functionalized with UV-Activated Antibodies. <i>Analytical Chemistry</i> , 2013, 85, 6392-6397.	3.2	59
25	Diagnostics of YBa ₂ Cu ₃ O ₇ laser plume by time-of-flight mass spectrometry. <i>Journal of Applied Physics</i> , 1994, 76, 8077-8087.	1.1	56
26	Analysis of the liquid argon purity in the ICARUS T600 TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 516, 68-79.	0.7	55
27	Light assisted antibody immobilization for bio-sensing. <i>Biomedical Optics Express</i> , 2011, 2, 3223.	1.5	55
28	Emission of prompt electrons during excimer laser ablation of aluminum targets. <i>Applied Physics Letters</i> , 1999, 75, 7-9.	1.5	53
29	Screen Printed Based Impedimetric Immunosensor for Rapid Detection of Escherichia coli in Drinking Water. <i>Sensors</i> , 2020, 20, 274.	2.1	53
30	Measurement of the $\frac{1}{4}$ decay spectrum with the ICARUS liquid Argon TPC. <i>European Physical Journal C</i> , 2004, 33, 233-241.	1.4	50
31	High harmonic generation spectroscopy of hydrocarbons. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	47
32	Biosensor for Point-of-Care Analysis of Immunoglobulins in Urine by Metal Enhanced Fluorescence from Gold Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3753-3762.	4.0	44
33	Single isolated attosecond pulse from multicycle lasers. <i>Optics Letters</i> , 2008, 33, 2943.	1.7	43
34	Emission of nanoparticles during ultrashort laser irradiation of silicon targets. <i>Europhysics Letters</i> , 2004, 67, 404-410.	0.7	42
35	LSPR-based colorimetric immunosensor for rapid and sensitive 17 β -estradiol detection in tap water. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127699.	4.0	41
36	Single attosecond light pulses from multi-cycle laser sources. <i>Journal of Modern Optics</i> , 2011, 58, 1585-1610.	0.6	40

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37	Effective antibodies immobilization and functionalized nanoparticles in a quartz-crystal microbalance-based immunosensor for the detection of parathion. <i>PLoS ONE</i> , 2017, 12, e0171754.	1.1	40
38	Analysis of the receiver response in lidar measurements. <i>Applied Optics</i> , 1998, 37, 6999.	2.1	38
39	Biosensor surface functionalization by a simple photochemical immobilization of antibodies: experimental characterization by mass spectrometry and surface enhanced Raman spectroscopy. <i>Analyst</i> , 2019, 144, 6871-6880.	1.7	38
40	Growth methods of c-axis oriented MgB ₂ thin films by pulsed laser deposition. <i>Superconductor Science and Technology</i> , 2003, 16, 241-245.	1.8	37
41	Interplay between group-delay-dispersion-induced polarization gating and ionization to generate isolated attosecond pulses from multicycle lasers. <i>Optics Letters</i> , 2010, 35, 2798.	1.7	36
42	Vmh ₂ hydrophobin as a tool for the development of self-immobilizing enzymes for biosensing. <i>Biotechnology and Bioengineering</i> , 2017, 114, 46-52.	1.7	36
43	Flexible immunosensor for the detection of salivary α -amylase in body fluids. <i>Talanta</i> , 2017, 174, 52-58.	2.9	35
44	Advances and emerging challenges in MXenes and their nanocomposites for biosensing applications. <i>RSC Advances</i> , 2022, 12, 19590-19610.	1.7	35
45	Signatures of molecular structure in the strong-field response of aligned molecules. <i>Journal of Modern Optics</i> , 2005, 52, 465-478.	0.6	34
46	Beyond the single-atom response in isolated attosecond-pulse generation. <i>Physical Review A</i> , 2007, 75, .	1.0	33
47	Ultraviolet laser-induced crosslinking in peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1660-1668.	0.7	33
48	Two wavelength lidar analysis of stratospheric aerosol size distribution. <i>Journal of Aerosol Science</i> , 1995, 26, 989-1001.	1.8	32
49	Gating of high-order harmonics generated by incommensurate two-color mid-IR laser pulses. <i>Laser Physics Letters</i> , 2011, 8, 875-879.	0.6	32
50	Probing two-centre interference in molecular high harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, S457-S466.	0.6	31
51	Laser produced plasmas in high fluence ablation of metallic surfaces probed by time-of-flight mass spectrometry. <i>Applied Surface Science</i> , 1996, 96-98, 175-180.	3.1	29
52	Single Molecule Characterization of UV-Activated Antibodies on Gold by Atomic Force Microscopy. <i>Langmuir</i> , 2016, 32, 8084-8091.	1.6	29
53	Femtosecond UV-laser pulses to unveil protein-protein interactions in living cells. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 637-648.	2.4	29
54	High fluence laser ablation of aluminum targets: Time-of-flight mass analysis of plasmas produced at wavelengths 532 and 355 nm. <i>Applied Physics A: Materials Science and Processing</i> , 1996, 62, 533-541.	1.1	28

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55	Effects of human antimicrobial cryptides identified in apolipoprotein B depend on specific features of bacterial strains. <i>Scientific Reports</i> , 2019, 9, 6728.	1.6	28
56	Nanostructured Surfaces as Plasmonic Biosensors: A Review. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101133.	1.9	28
57	Laser ablation of Pb(Ti _{0.48} Zr _{0.52})O ₃ target: Characterization and evolution of charged species. <i>Journal of Applied Physics</i> , 1995, 78, 494-504.	1.1	27
58	Ultra-fast dynamic imaging: an overview of current techniques, their capabilities and future prospects. <i>Journal of Modern Optics</i> , 2010, 57, 916-952.	0.6	27
59	Glucose Sensing by Time-Resolved Fluorescence of Sol-Gel Immobilized Glucose Oxidase. <i>Sensors</i> , 2011, 11, 3483-3497.	2.1	27
60	<p>Biomimetic hydroxyapatite nanocrystals are an active carrier for Salmonella bacteriophages</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2219-2232.	3.3	27
61	Lidar observations of the stratospheric aerosol layer over southern Italy in the period 1991-1995. <i>Journal of Geophysical Research</i> , 1996, 101, 18765-18773.	3.3	25
62	Characterization of LaMnO ₃ laser ablation in oxygen by ion probe and optical emission spectroscopy. <i>Applied Surface Science</i> , 2005, 248, 45-49.	3.1	25
63	Chargel species analysis as a diagnostic tool for laser produced plasma characterization. <i>Applied Surface Science</i> , 1996, 106, 507-512.	3.1	24
64	Measurement of electronic structure from high harmonic generation in non-adiabatically aligned polyatomic molecules. <i>New Journal of Physics</i> , 2008, 10, 025008.	1.2	23
65	Measurement of the two-photon absorption cross-section of liquid argon with a time projection chamber. <i>New Journal of Physics</i> , 2010, 12, 113024.	1.2	23
66	Label-Free Detection of Gliadin in Food by Quartz Crystal Microbalance-Based Immunosensor. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1281-1289.	2.4	23
67	Optical emission investigation of laser-produced MgB ₂ plume expanding in an Ar buffer gas. <i>Applied Physics Letters</i> , 2002, 80, 4315-4317.	1.5	22
68	Nonlinear protein - nucleic acid crosslinking induced by femtosecond UV laser pulses in living cells. <i>Laser Physics Letters</i> , 2012, 9, 234-239.	0.6	21
69	Self-Assembling of Fmoc-CC Peptide Nucleic Acid Dimers into Highly Fluorescent Aggregates. <i>Chemistry - A European Journal</i> , 2018, 24, 4729-4735.	1.7	21
70	Kinetic-energy distributions of charged fragments from CO ₂ dissociative ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994, 27, 2051-2061.	0.6	20
71	An algorithm to determine cirrus properties from analysis of multiple-scattering influence on lidar signals. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 609-615.	1.1	20
72	Ultrafast science and development at the Artemis facility. , 2009, , .		19

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73	Correlation analysis of laser ablated ions from YBCO. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 179, 116-121.	0.9	18
74	Dependence upon the molecular and atomic ground state of higher-order harmonic generation in the few-optical-cycle regime. Physical Review A, 2005, 71, .	1.0	18
75	Randomly positioned gold nanoparticles as fluorescence enhancers in apta-immunosensor for malaria test. Mikrochimica Acta, 2021, 188, 88.	2.5	18
76	Isolated Attosecond Pulse Generation by Two-Mid-IR Laser Fields. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 239-247.	1.9	17
77	High fluence visible and ultraviolet laser ablation of metallic targets. Applied Surface Science, 1998, 127-129, 1017-1022.	3.1	16
78	High-order harmonic generation efficiency increased by controlled dissociation of molecular iodine. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 1051-1060.	0.6	16
79	Dynamical medium depletion in high-order above-threshold ionization with few-cycle laser pulses. Physical Review A, 2004, 70, .	1.0	16
80	High-order harmonic generation in alkanes. Physical Review A, 2006, 73, .	1.0	15
81	Photophysics and Photochemistry of a DNA-Protein Cross-Linking Model: A Synergistic Approach Combining Experiments and Theory. Journal of Physical Chemistry B, 2014, 118, 4983-4992.	1.2	15
82	Study of the plasma plume generated during near IR femtosecond laser irradiation of silicon targets. Applied Physics A: Materials Science and Processing, 2004, 79, 1377-1380.	1.1	14
83	Analysis of Simulated Fluorescence Intensities Decays by a New Maximum Entropy Method Algorithm. Journal of Fluorescence, 2013, 23, 203-211.	1.3	14
84	Low-lying excited-states of 5-benzyluracil. Physical Chemistry Chemical Physics, 2013, 15, 7161.	1.3	14
85	Influence of generalized focusing of few-cycle Gaussian pulses in attosecond pulse generation. Optics Express, 2013, 21, 24991.	1.7	14
86	Generation of high energy, 30 fs pulses at 527 nm by hollow-fiber compression technique. Optics Express, 2008, 16, 3527.	1.7	13
87	Dead time correction of time distribution measurements. Review of Scientific Instruments, 1991, 62, 2822-2827.	0.6	12
88	Pulsed laser ablation of borocarbide targets probed by time-of-flight mass spectrometry. Optics and Lasers in Engineering, 2003, 39, 179-190.	2.0	12
89	Core-Shell Magnetic Nanoparticles for Highly Sensitive Magnetoelastic Immunosensor. Nanomaterials, 2020, 10, 1526.	1.9	12
90	XeF excimer laser ablation of metallic targets probed by energy-selective time-of-flight mass spectrometry. Applied Surface Science, 1999, 138-139, 250-255.	3.1	11

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91	Investigations of electron wave-packet dynamics and high-order harmonic generation in laser-aligned molecules. <i>Journal of Modern Optics</i> , 2003, 50, 561-577.	0.6	11
92	Time-resolved analysis of DNA-protein interactions in living cells by UV laser pulses. <i>Scientific Reports</i> , 2017, 7, 11725.	1.6	11
93	Optimized Identification of High-Grade Prostate Cancer by Combining Different PSA Molecular Forms and PSA Density in a Deep Learning Model. <i>Diagnostics</i> , 2021, 11, 335.	1.3	11
94	The Union Is Strength: The Synergic Action of Long Fatty Acids and a Bacteriophage against <i>Xanthomonas campestris</i> Biofilm. <i>Microorganisms</i> , 2021, 9, 60.	1.6	11
95	Time of flight mass spectrometry and covariance mapping technique investigation of charged specie evolution in Pb(Ti _{0.48} Zr _{0.52})O ₃ laser ablation. <i>Applied Surface Science</i> , 1995, 86, 35-39.	3.1	10
96	Optical spectroscopy diagnostics and thin film deposition of laser ablated rare earthâ€“Ni ₂ B ₂ C plasma plumes. <i>Chemical Physics Letters</i> , 2002, 353, 1-6.	1.2	10
97	Electron and nuclear dynamics of a molecular ion in an intense laser field. <i>Physical Review A</i> , 2004, 70, .	1.0	10
98	Temporal and spectral characterization of femtosecond deep-UV chirped pulses. <i>Laser Physics Letters</i> , 2015, 12, 025302.	0.6	10
99	Vmh ₂ hydrophobin layer entraps glucose: A quantitative characterization by label-free optical and gravimetric methods. <i>Applied Surface Science</i> , 2016, 364, 201-207.	3.1	10
100	Green synthesis of conductive polyaniline by <i>Trametes versicolor</i> laccase using a DNA template. <i>Engineering in Life Sciences</i> , 2019, 19, 631-642.	2.0	10
101	Time-gated luminescence imaging of positively charged poly-L-lysine-coated highly microporous silicon nanoparticles in living Hydra polyp. <i>Journal of Biophotonics</i> , 2020, 13, e202000272.	1.1	10
102	Analysis of the optical response of a SARS-CoV-2-directed colorimetric immunosensor. <i>AIP Advances</i> , 2021, 11, .	0.6	10
103	Plasmonic Nanomaterials for Colorimetric Biosensing: A Review. <i>Chemosensors</i> , 2022, 10, 136.	1.8	10
104	Characterization of fast electron emission in UV laser ablation of metallic targets. <i>Applied Physics A: Materials Science and Processing</i> , 1999, 69, S483.	1.1	9
105	Charged species analysis in YNi ₂ B ₂ C laser ablation by time-of-flight mass spectrometry. <i>Applied Surface Science</i> , 2000, 168, 100-103.	3.1	9
106	Hollow-fiber compression of visible, 200 fs laser pulses to 40 fs pulse duration. <i>Optics Letters</i> , 2007, 32, 1866.	1.7	9
107	A multi-scale time-resolved study of photoactivated dynamics in 5-benzyl uracil, a model for DNA/protein interactions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26301-26310.	1.3	9
108	Solid-state optical properties of self-assembling amyloid-like peptides with different charged states at the terminal ends. <i>Scientific Reports</i> , 2022, 12, 759.	1.6	9

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109	Analysis of charged fragments emitted during excimer laser ablation of YNi ₂ B ₂ C borocarbide targets by time-of-flight mass spectrometry. <i>Applied Surface Science</i> , 2002, 186, 303-308.	3.1	8
110	Development of a tunable IR lidar system. <i>Optics and Lasers in Engineering</i> , 2002, 37, 521-532.	2.0	8
111	Dissociative electron impact ionization of methyl tert-butyl ether: total ionization cross-section and kinetic energy distributions. <i>Chemical Physics Letters</i> , 2004, 400, 191-195.	1.2	8
112	Generating single attosecond pulse using multi-cycle lasers in a polarization gate. <i>Optics Express</i> , 2009, 17, 17700.	1.7	8
113	Experimental analysis of H ₃ ⁻ and D ₃ ⁻ molecule autoionization. <i>Physical Review A</i> , 1993, 47, 986-993.	1.0	7
114	Nano-machining of biosensor electrodes through gold nanoparticles deposition produced by femtosecond laser ablation. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 497-501.	1.1	7
115	Covariance mapping of charged species evolution in YBa ₂ Cu ₃ O _{7-δ} laser ablation. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 144, 1-21.	1.9	6
116	Molecular orbital dependence of high-order harmonic generation. <i>Journal of Modern Optics</i> , 2006, 53, 97-111.	0.6	6
117	A mass spectrometric study of gasoline anti-knocking additives. <i>International Journal of Mass Spectrometry</i> , 2007, 262, 105-113.	0.7	6
118	Nano- and femtosecond UV laser pulses to immobilize biomolecules onto surfaces with preferential orientation. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 185-190.	1.1	6
119	Photoemissive properties and stability of undecylenic acid-modified porous silicon nanoparticles in physiological medium. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	6
120	Fluorescence Emission of Self-Assembling Amyloid-Like Peptides: Solution versus Solid State. <i>ChemPhysChem</i> , 2021, 22, 2215-2221.	1.0	6
121	Loading of Polydimethylsiloxane with a Human ApoB-Derived Antimicrobial Peptide to Prevent Bacterial Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5219.	1.8	6
122	Nonlinear relaxation of partially dissociated SF ₆ molecules. <i>Optics Communications</i> , 1986, 59, 183-187.	1.0	5
123	Interferometric studies of nonlinear relaxation processes in vibrationally highly excited SF ₆ molecules. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1987, 4, 452.	0.9	5
124	Lidar measurements of atmospheric transmissivity. <i>Il Nuovo Cimento Della Societ� Italiana Di Fisica C</i> , 1995, 18, 209-222.	0.2	5
125	Double-Resonant Nanostructured Gold Surface for Multiplexed Detection. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6417-6427.	4.0	5
126	Electron impact ionisation of H ₂ (D ₂) molecules: kinetic energy distributions of H ⁺ (D ⁺). <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 127, 57-65.	1.9	4

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127	Continuous-electron-beam focusing induced by collective plasma interactions in D ₂ and H ₂ . <i>Physical Review E</i> , 1993, 47, 1960-1967.	0.8	4
128	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.	1.5	4
129	Simple and Flexible Model for Laser-Driven Antibody-Gold Surface Interactions: Functionalization and Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21762-21769.	4.0	4
130	Pressure effects during excimer laser ablation of magnesium diboride targets. <i>Applied Surface Science</i> , 2003, 208-209, 39-44.	3.1	3
131	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.	1.2	3
132	Ring laser gyroscopes in the underground Gran Sasso Laboratories. <i>Quantum Electronics</i> , 2019, 49, 195-198.	0.3	3
133	<title>Multiparametric tunable lidar system based on IR OPO laser sources</title>. , 1997, 3104, 158.		2
134	Probing electron dynamics by ellipticity effects in molecular high harmonic generation. <i>Journal of Modern Optics</i> , 2007, 54, 1063-1074.	0.6	2
135	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.	1.2	2
136	Two-color mid-IR optical parametric amplifier for attosecond pulse generation. , 2012, , .		2
137	Analysis of Chromatin-Nuclear Receptor Interactions by Laser-Chromatin Immunoprecipitation. <i>Methods in Molecular Biology</i> , 2014, 1204, 25-34.	0.4	2
138	Direct measurement of macroscopic electric fields produced by collective effects in electron-impact experiments. <i>Physical Review A</i> , 1996, 54, 2482-2485.	1.0	1
139	Ultra-fast dynamic imaging of matter. <i>Journal of Modern Optics</i> , 2010, 57, 915-915.	0.6	1
140	Single attosecond pulse generation by two laser fields. , 2012, , .		1
141	Quartz Crystal Microbalance Sensors: New Tools for the Assessment of Organic Threats to the Quality of Water. <i>Handbook of Environmental Chemistry</i> , 2019, , 315-342.	0.2	1
142	Probing Molecular Structure and Dynamics by Laser-Driven Electron Recollisions. <i>Springer Series in Optical Sciences</i> , 2008, , 209-224.	0.5	1
143	Nanostructured Surfaces as Plasmonic Biosensors: A Review (<i>Adv. Mater. Interfaces</i> 2/2022). <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	1
144	Experimental and Theoretical Analysis of Non-linear Vibrational Relaxation of Polyatomic Molecules Strongly Excited by Resonant Laser Radiation. <i>Laser Chemistry</i> , 1988, 8, 315-334.	0.5	0

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145	<title>Satellite- and ground-based atmospheric water vapor measurements: a comparative study</title>. , 1995, 2506, 372.		0
146	Tunable lidar system based on IR OPA laser source. , 1998, , .		0
147	Self-aligning lidar system and its application. , 1998, , .		0
148	Multiparametric lidar system spanning from UV to mid IR. , 1998, , .		0
149	<title>Excimer laser ablation of borocarbide targets</title>. , 2000, , .		0
150	<title>Prompt electron emission characterization in UV laser ablation of metallic targets</title>. , 2000, 4070, 246.		0
151	<title>Transmissivity measurements for atmospheric characterization</title>. , 2000, 4070, 66.		0
152	<title>Atmospheric monitoring by lidar in an industrial area of Southern Italy</title>. , 2000, 4070, 38.		0
153	Evaluation of multiple-scattering influence on lidar measurement by iterative Monte Carlo method. , 2004, , .		0
154	Publisher's Note: Probing Orbital Structure of Polyatomic Molecules by High-Order Harmonic Generation [Phys. Rev. Lett.98, 203007 (2007)]. Physical Review Letters, 2007, 98, .	2.9	0
155	One- and two-photon time-resolved fluorescence of visible and near-infrared dyes in scattering media. Proceedings of SPIE, 2009, , .	0.8	0
156	UV-light-assisted functionalization for sensing of light molecules. , 2013, , .		0
157	Linear optical methods for temporal characterization of femtosecond UV pulses. Proceedings of SPIE, 2014, , .	0.8	0
158	UV-light-assisted functionalization of Quartz-Crystal-Microbalance. , 2014, , .		0
159	Reply to Jue et al. Value of MRI to Improve Deep Learning Model That Identifies High-Grade Prostate Cancer. Comment on "Gentile et al. Optimized Identification of High-Grade Prostate Cancer by Combining Different PSA Molecular Forms and PSA Density in a Deep Learning Model. Diagnostics 2021, 11, 335"; Diagnostics. 2021, 11, 1214.	1.3	0
160	Quantum Interference in Aligned Molecules. Springer Series in Optical Sciences, 2007, , 361-366.	0.5	0
161	Time Gating of High Order Harmonics for the Generation of Continuous XUV Spectra with Multi-Cycle Driving Pulses. , 2010, , .		0