

Maria Richetta

List of Publications by Year in descending order

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160
papers

1,631
citations

304602

22
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434063

31
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160
all docs

160
docs citations

160
times ranked

1478
citing authors

#	ARTICLE	IF	CITATIONS
1	Alloys for Aeronautic Applications: State of the Art and Perspectives. <i>Metals</i> , 2019, 9, 662.	1.0	128
2	Generation of high pressure shocks relevant to the shock-ignition intensity regime. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	55
3	Continuous dynamic recrystallization (CDRX) model for aluminum alloys. <i>Journal of Materials Science</i> , 2018, 53, 4563-4573.	1.7	50
4	Morphology of Zn/Al layered double hydroxide nanosheets grown onto aluminum thin films. <i>Microelectronic Engineering</i> , 2014, 126, 129-133.	1.1	49
5	Magnetically Guided Fast Electrons in Cylindrically Compressed Matter. <i>Physical Review Letters</i> , 2011, 107, 065004.	2.9	45
6	Sensitivity to Heavy-Metal Ions of Unfolded Fullerene Quantum Dots. <i>Sensors</i> , 2017, 17, 2614.	2.1	43
7	A Further Analysis on Ti6Al4V Lattice Structures Manufactured by Selective Laser Melting. <i>Journal of Healthcare Engineering</i> , 2019, 2019, 1-9.	1.1	42
8	Linear undulator brightness: Inclusion of sextupolar magnetic-field contributions and of higher-order energy corrections. <i>Physical Review A</i> , 1992, 45, 4023-4035.	1.0	32
9	Surface spectroscopy and structural analysis of nanostructured multifunctional (Zn, Al) layered double hydroxides. <i>Surface and Interface Analysis</i> , 2016, 48, 514-518.	0.8	31
10	Operator disentanglement. <i>Physical Review A</i> , 1988, 37, 2007-2011.	1.0	30
11	Proton radiography of laser-driven imploding target in cylindrical geometry. <i>Physics of Plasmas</i> , 2011, 18, 012704.	0.7	30
12	Recent results from experimental studies on laser-plasma coupling in a shock ignition relevant regime. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124045.	0.9	30
13	STARDUST experimental campaign and numerical simulations: influence of obstacles and temperature on dust resuspension in a vacuum vessel under LOVA. <i>Nuclear Fusion</i> , 2011, 51, 053017.	1.6	28
14	Generating functions of multivariable generalized Bessel functions and Jacobi-elliptic functions. <i>Journal of Mathematical Physics</i> , 1992, 33, 25-36.	0.5	27
15	Application of a CO2 dial system for infrared detection of forest fire and reduction of false alarm. <i>Applied Physics B: Lasers and Optics</i> , 2007, 87, 373-378.	1.1	27
16	Loss of vacuum accident (LOVA): Comparison of computational fluid dynamics (CFD) flow velocities against experimental data for the model validation. <i>Fusion Engineering and Design</i> , 2011, 86, 330-340.	1.0	27
17	Layered Double Hydroxides Containing an Ionic Liquid: Ionic Conductivity and Use in Composite Anion Exchange Membranes. <i>ChemElectroChem</i> , 2018, 5, 2781-2788.	1.7	26
18	Bismuth induced enhancement of the second-harmonic generation efficiency in bismuth-substituted yttrium iron garnet films. <i>Applied Physics Letters</i> , 1993, 63, 3402-3404.	1.5	25

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19	High-resolution water window X-ray imaging of in vivo cells and their products using LiF crystal detectors. <i>Microscopy Research and Technique</i> , 2008, 71, 35-41.	1.2	25
20	Fast-electron transport in cylindrically laser-compressed matter. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 124035.	0.9	24
21	Lie algebraic methods and solutions of linear partial differential equations. <i>Journal of Mathematical Physics</i> , 1990, 31, 2856-2863.	0.5	23
22	Laser-driven shock waves studied by x-ray radiography. <i>Physical Review E</i> , 2017, 95, 063205.	0.8	22
23	Electron Beam Welding of IN792 DS: Effects of Pass Speed and PWHT on Microstructure and Hardness. <i>Materials</i> , 2017, 10, 1033.	1.3	19
24	Mechanical Characterization of a Nano-ODS Steel Prepared by Low-Energy Mechanical Alloying. <i>Metals</i> , 2017, 7, 283.	1.0	19
25	Reduction of false alarms in forest fire surveillance using water vapour concentration measurements. <i>Optics and Laser Technology</i> , 2009, 41, 374-379.	2.2	18
26	The HiPER project for inertial confinement fusion and some experimental results on advanced ignition schemes. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 124041.	0.9	18
27	Numerical study of air jet flow field during a loss of vacuum. <i>Fusion Engineering and Design</i> , 2014, 89, 2048-2052.	1.0	18
28	Large eddy simulation of Loss of Vacuum Accident in STARDUST facility. <i>Fusion Engineering and Design</i> , 2013, 88, 2665-2668.	1.0	17
29	UMEL: A new regression tool to identify measurement peaks in LIDAR/DIAL systems for environmental physics applications. <i>Review of Scientific Instruments</i> , 2014, 85, 063112.	0.6	17
30	Analysis of the harmonic Raman-Nath equation. <i>Journal of Physics A</i> , 1984, 17, 1333-1342.	1.6	16
31	FEL quantum theory: Comments on Glauber coherence, antibunching and squeezing. <i>Optics Communications</i> , 1984, 50, 165-168.	1.0	16
32	Parametrizing the gain dependences in a single passage FEL operating with moderate current e-beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989, 285, 108-114.	0.7	16
33	Laser-driven cylindrical compression of targets for fast electron transport study in warm and dense plasmas. <i>Physics of Plasmas</i> , 2011, 18, 043108.	0.7	16
34	Dust tracking techniques applied to the STARDUST facility: First results. <i>Fusion Engineering and Design</i> , 2014, 89, 2098-2102.	1.0	16
35	Contact X-ray microscopy of living cells by using LiF crystal as imaging detector. <i>Journal of Microscopy</i> , 2015, 258, 127-139.	0.8	16
36	Real-time vehicle emissions monitoring using a compact LiDAR system and conventional instruments: first results of an experimental campaign in a suburban area in southern Italy. <i>Optical Engineering</i> , 2016, 55, 103107.	0.5	16

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37	Evolution of SU(2) and SU(1,1) states: A further mathematical analysis. Journal of Mathematical Physics, 1988, 29, 2586-2588.	0.5	14
38	Laser Pulse Effects on Plasma-Sprayed and Bulk Tungsten. Metals, 2017, 7, 454.	1.0	14
39	In-cell measurements of smoke backscattering coefficients using a CO ₂ laser system for application to lidar-dial forest fire detection. Optical Engineering, 2010, 49, 124302.	0.5	13
40	Validation of a loss of vacuum accident (LOVA) Computational Fluid Dynamics (CFD) model. Fusion Engineering and Design, 2011, 86, 2774-2778.	1.0	13
41	AA7050 Al Alloy Hot-Forging Process for Improved Fracture Toughness Properties. Metals, 2019, 9, 64.	1.0	13
42	Safety Analysis in Large Volume Vacuum Systems Like Tokamak: Experiments and Numerical Simulation to Analyze Vacuum Ruptures Consequences. Advances in Materials Science and Engineering, 2014, 2014, 1-29.	1.0	12
43	Simulations and Experiments to Reach Numerical Multiphase Informations for Security Analysis on Large Volume Vacuum Systems Like Tokamaks. Journal of Fusion Energy, 2015, 34, 959-978.	0.5	12
44	Microporous Inorganic Membranes for Gas Separation and Purification. InterCeram: International Ceramic Review, 2018, 67, 16-21.	0.2	12
45	A note on the theory of n-variable generalized Bessel functions. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1991, 106, 1159-1166.	0.2	11
46	Clipping the tail of a TE ⁰ CO ₂ laser pulse using a gas breakdown technique for high resolution chemical plume detection. Review of Scientific Instruments, 2003, 74, 1064-1069.	0.6	11
47	Free-electron laser operation in the intermediate gain region. IEEE Journal of Quantum Electronics, 1989, 25, 2327-2331.	1.0	10
48	Formal quantum theory of electronic rays. Optics Communications, 1992, 87, 175-180.	1.0	10
49	On the generalized Twiss parameters and Courant-Snyder invariant in classical and quantum optics. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1992, 107, 269-287.	0.2	10
50	X-ray microscopy of plant cells by using LiF crystal as a detector. Microscopy Research and Technique, 2008, 71, 839-848.	1.2	10
51	Lithium fluoride thin-film detectors for soft X-ray imaging at high spatial resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 758-762.	0.7	10
52	Detection and monitoring of pollutant sources with Lidar/Dial techniques. Journal of Physics: Conference Series, 2015, 658, 012004.	0.3	10
53	Design of a new experimental facility to reproduce LOVA and LOCA consequences on dust resuspension. Fusion Engineering and Design, 2015, 98-99, 2191-2195.	1.0	10
54	Surface Morphological Features of Molybdenum Irradiated by a Single Laser Pulse. Coatings, 2020, 10, 67.	1.2	10

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55	Recursive differential equations of the raman-nath type: A general review. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1984, 4, 293-311.	0.4	9
56	Advances on the theory of generalized Bessel functions and applications to multiphoton processes. Journal of Scientific Computing, 1993, 8, 69-109.	1.1	9
57	Soft x-ray generation by a tabletop Nd:YAG/glass laser system. Journal of Physics Condensed Matter, 2006, 18, S2039-S2044.	0.7	9
58	Proton radiography of cylindrical laser-driven implosions. Plasma Physics and Controlled Fusion, 2011, 53, 032003.	0.9	9
59	Study of 13Cr-4Ni-(Mo) (F6NM) Steel Grade Heat Treatment for Maximum Hardness Control in Industrial Heats. Metals, 2017, 7, 351.	1.0	9
60	Ionic conductivity of Zn Al layered double hydroxide films grown on aluminum substrate. Solid State Ionics, 2018, 314, 30-35.	1.3	9
61	Quantum statistical properties of an FEL amplifier. IEEE Journal of Quantum Electronics, 1985, 21, 1069-1072.	1.0	8
62	Fourier expansions and multivariable bessel functions concerning radiation problems. Radiation Physics and Chemistry, 1996, 47, 183-189.	1.4	8
63	Preliminary results from recent experiments and future roadmap to Shock Ignition of Fusion Targets. Journal of Physics: Conference Series, 2012, 399, 012005.	0.3	8
64	Design and development of a compact lidar/DIAL system for aerial surveillance of urban areas. , 2013, , .		8
65	Image computing techniques to extrapolate data for dust tracking in case of an experimental accident simulation in a nuclear fusion plant. Review of Scientific Instruments, 2016, 87, 013504.	0.6	8
66	Preparation, intercalation, and characterization of nanostructured (Zn, Al) layered double hydroxides (LDHs). Surface and Interface Analysis, 2018, 50, 1094-1098.	0.8	8
67	Layered Double Hydroxides (LDHs). Crystals, 2020, 10, 1121.	1.0	8
68	Plasma Carburizing of Laser Powder Bed Fusion Manufactured 316 L Steel for Enhancing the Surface Hardness. Coatings, 2022, 12, 258.	1.2	8
69	Comments on the solution of the spherical Raman-Nath equation. Journal of Physics A, 1984, 17, L395-L398.	1.6	7
70	Quantum coherence properties of the FEL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1985, 237, 93-99.	0.7	7
71	Biunitary transformations and ordinary differential equations.â€”I. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1991, 106, 1357-1374.	0.2	7
72	Early detection of small forest fire by dial technique. , 2005, , .		7

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73	Raman water vapour concentration measurements for reduction of false alarms in forest fire detection. Proceedings of SPIE, 2009, , .	0.8	7
74	Spectroscopy Methods and Applications of the Tor Vergata Laser-Plasma Facility Driven by GW-Level Laser System. International Journal of Spectroscopy, 2011, 2011, 1-28.	1.4	7
75	Laser Pulse Simulation of High Energy Transient Thermal Loads on Bulk and Plasma Sprayed W for NFR. Materials Science Forum, 0, 879, 1576-1581.	0.3	7
76	W-1% La2O3 Submitted to a Single Laser Pulse: Effect of Particles on Heat Transfer and Surface Morphology. Metals, 2018, 8, 389.	1.0	7
77	The Cayley-Klein parameters and geometrical picture of the multilevel system evolution. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1989, 104, 665-683.	0.2	6
78	Active clipping system for transversely exited CO2 lasers. Review of Scientific Instruments, 2005, 76, 026115.	0.6	6
79	Experimental study of fast electron propagation in compressed matter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 653, 176-180.	0.7	6
80	Shadowgraph Technique Applied to STARDUST Facility for Dust Tracking: First Results. Physics Procedia, 2015, 62, 97-101.	1.2	6
81	Metal Posts and the Effect of Materialâ€œShape Combination on the Mechanical Behavior of Endodontically Treated Anterior Teeth. Metals, 2019, 9, 125.	1.0	6
82	Supermode biorthogonality in free-electron lasers: A physical interpretation. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1988, 101, 585-593.	0.2	5
83	Biunitary transformations and ordinary differential equations.â€œII. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1991, 106, 1375-1390.	0.2	5
84	Linear undular brightness: Sextupolar magnetic-field contributions and higher-orders energy corrections for low-energy electron beams. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1992, 107, 1135-1142.	0.2	5
85	Evolution study of a water vapor plume using a mobile CO 2 DIAL system. , 2002, 4539, 180.		5
86	SNOM images of Xâ€œray radiographs at nanoâ€œscale stored in a thin layer of lithium fluoride. Journal of Microscopy, 2008, 229, 490-495.	0.8	5
87	Preliminary results of a lidar-dial integrated system for the automatic detection of atmospheric pollutants. Proceedings of SPIE, 2012, , .	0.8	5
88	First electrons from the new 220TW Frascati Laser for Acceleration and Multidisciplinary Experiments (FLAME) at Frascati National Laboratories (LNF). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 720, 95-99.	0.7	5
89	Analysis of Strengthening Mechanisms in Nano-ODS Steel Depending on Preparation Route. Journal of Material Science & Engineering, 2018, 07, .	0.2	5
90	A simple treatment of the FEL pulse-propagation problem with the inclusion of transverse-mode dynamics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 296, 322-334.	0.7	4

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91	FEL gain in the pulsed regime: a comparison between numerical and analytical results. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1990, 12, 21-34.	0.4	4
92	Linear undulator brightness: Exact analytical treatment. Journal of Mathematical Physics, 1992, 33, 1200-1207.	0.5	4
93	Twiss parameters and evolution of quantum harmonic-oscillator states. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1992, 107, 1151-1165.	0.2	4
94	Evolution study of smoke backscattering coefficients in a cell by means of a compact mobile Nd:YAG lidar system. Proceedings of SPIE, 2007, , .	0.8	4
95	Planetary boundary layer (PBL) monitoring by means of two laser radar systems: experimental results and comparison. , 2010, , .		4
96	First open field measurements with a portable CO ₂ lidar/dial system for early forest fires detection. Proceedings of SPIE, 2011, , .	0.8	4
97	Automatic localization of backscattering events due to particulate in urban areas. Proceedings of SPIE, 2014, , .	0.8	4
98	X-ray High-resolution Spectroscopy for Laser-produced Plasma. Physics Procedia, 2015, 62, 84-91.	1.2	4
99	Oxidative treatment effect on TiH ₂ powders. Surface and Interface Analysis, 2018, 50, 1195-1199.	0.8	4
100	An Innovative Industrial Process for Forging 7050 Al Alloy. Materials Science Forum, 2018, 941, 1047-1052.	0.3	4
101	Hydrogen Release from Oxidized Titanium Hydride. Materials Science Forum, 2018, 941, 2203-2208.	0.3	4
102	Increasing the Electrical Conductivity of Layered Double Hydroxides by Intercalation of Ionic Liquids. Materials Science Forum, 0, 941, 2209-2213.	0.3	4
103	A Focus on Dynamic Modulus: Effects of External and Internal Morphological Features. Metals, 2021, 11, 40.	1.0	4
104	Small-signal theory of pulse propagation in free-electron lasers. Physical Review A, 1992, 45, 4064-4076.	1.0	3
105	Evaluation of Structural Stability of Materials through Mechanical Spectroscopy: Four Case Studies. Metals, 2016, 6, 306.	1.0	3
106	Analysis of Relaxation Processes in HNS Due to Interstitial-Substitutional Pairs. Metals, 2017, 7, 246.	1.0	3
107	X-ray absorption radiography for high pressure shock wave studies. Journal of Instrumentation, 2018, 13, C01013-C01013.	0.5	3
108	Ceramic Membranes for the Separation of Plasma Enhancement Gases. InterCeram: International Ceramic Review, 2018, 67, 8-13.	0.2	3

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109	Laser Beam Welding of IN792 DS Superalloy. Materials Science Forum, 0, 941, 1149-1154.	0.3	3
110	Biunitary transformations and ordinary differential equations.â€”III. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1991, 106, 1391-1399.	0.2	2
111	Graf-type theorem for Laguerre and Legendre functions. Computers and Mathematics With Applications, 1993, 25, 99-105.	1.4	2
112	Comparison of columnar water vapour measurements using the CO 2 DIAL method and GPS data analysis. , 2004, , .		2
113	Database for chemical weapons detection: first results. , 2008, , .		2
114	BLISS@CNR-Pisa: a flexible laser for small scale test experiments on fusion oriented physics. , 2010, , .		2
115	Characterization of LiF-based soft X-ray imaging detectors by confocal fluorescence microscopy. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012025.	0.3	2
116	Experiment on laser interaction with a planar target for conditions relevant to shock ignition. Physica Scripta, 2014, T161, 014017.	1.2	2
117	A Novel Facility to Investigate Dust Mobilization in Confined Environments with Applications to the Security of the Pharmaceutical Industry. Materials Science Forum, 2016, 879, 1213-1219.	0.3	2
118	Flat-Top Cylinder Indenter Examination of Duplex Stainless Steel 2205 after Different Heat Treatments. Metals, 2017, 7, 178.	1.0	2
119	Temperature Dependent Mechanical Behavior of ODS Steels. Materials Science Forum, 2018, 941, 257-262.	0.3	2
120	Development of a Smartphone Based Reader for the Quantitative Analysis of Lateral Flow Assays. Materials Science Forum, 0, 941, 2522-2527.	0.3	2
121	X-ray imaging of bio/medical samples using laser-plasma-based X-ray sources and LiF detector. Journal of Instrumentation, 2019, 14, C10006-C10006.	0.5	2
122	Fusion Exhaust Gas Separation with a Carbon Molecular Sieve (CMS) Membrane. InterCeram: International Ceramic Review, 2019, 68, 14-17.	0.2	2
123	Adsorption of heavy metals by layered double hydroxides grown in situ on Al foam. Surface and Interface Analysis, 2020, 52, 996-999.	0.8	2
124	Miscellaneous results on infinite series of bessel functions. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1989, 103, 149-159.	0.2	2
125	EFFECT OF MICRO-ALLOYING ON QUENCHING BEHAVIOUR OF STEELS FOR BACK-UP ROLLS. Acta Metallurgica Slovaca, 2017, 23, 105-110.	0.3	2
126	Residual stresses in the graded interlayer between W and CuCrZr alloy. Journal of Materials Science, 2022, 57, 285-298.	1.7	2

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127	A perturbative analysis of the Kapchinskij-Vladimirskij problem in the emittance-dominated regime. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1991, 106, 697-700.	0.2	1
128	The 3-D FEL pulse propagation equation: An analytical treatment in the low-gain and small-signal regime. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1991, 13, 615-632.	0.4	1
129	Water vapour emission in vegetable fuel: absorption cell measurements and detection limits of our CO ₂ Dial system. , 2006, , .		1
130	X-ray diagnostics of fast electrons propagation in high density plasmas obtained by cylindrical compression. Journal of Physics: Conference Series, 2010, 244, 022027.	0.3	1
131	Proton Radiography of a Laser-Driven Cylindrical Implosion. AIP Conference Proceedings, 2010, , .	0.3	1
132	Investigation of laser plasmas relevant to shock ignition at PALS. Proceedings of SPIE, 2011, , .	0.8	1
133	Study of shock waves generation, hot electron production and role of parametric instabilities in an intensity regime relevant for the shock ignition. Journal of Physics: Conference Series, 2016, 688, 012003.	0.3	1
134	Metallurgical design of micro-alloyed high strength steels for forgings. Metallurgical Research and Technology, 2017, 114, 601.	0.4	1
135	Novel Methodology for the Selection, Dosing and On-Line Control of Corrosion Inhibitors for Industrial Acid Pickling. Materials Science Forum, 2018, 941, 1698-1704.	0.3	1
136	Effect of Al substrate microstructure on layered double hydroxide morphology. Journal of Materials Science, 2019, 54, 12437-12449.	1.7	1
137	Plasma enhancement gases (PEGs) separation using a carbon molecular sieve (CMS) membrane. Fusion Engineering and Design, 2019, 146, 2438-2441.	1.0	1
138	Low pressure fusion exhaust gases separation. Fusion Engineering and Design, 2019, 146, 1665-1669.	1.0	1
139	La distribution on the crater surface of W@1%La ₂ O ₃ produced by a single laser pulse. Surface and Interface Analysis, 2020, 52, 1093-1097.	0.8	1
140	EVALUATION OF THE METALLURGICAL PARAMETERS EFFECT ON TENSILE PROPERTIES IN AUSTENITIC STAINLESS STEELS. Acta Metallurgica Slovaca, 2017, 23, 111-121.	0.3	1
141	Proton Radiography and Fast Electron Propagation Through Cylindrically Compressed Targets. Journal of the Korean Physical Society, 2010, 57, 305-310.	0.3	1
142	A Further Investigation Toward the Design of Topology Optimized Solid-Lattice Hybrid Structures for Biomedical Applications. Lecture Notes in Mechanical Engineering, 2022, , 514-523.	0.3	1
143	Grain Orientation and Hardness in the Graded Interlayer of Plasma Sprayed W on CuCrZr. Applied Sciences (Switzerland), 2022, 12, 1822.	1.3	1
144	Towards a wave theory of charged-beam propagation. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1992, 14, 271-278.	0.4	0

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145	<title>TE-CO2 injection laser: status and perspectives</title>. , 1998, 3433, 165.		0
146	Proton Radiography of a Cylindrical Laser-Driven Implosion. , 2009, , .		0
147	Can proton radiography be used to image imploding target in ICF experiments?. , 2011, , .		0
148	Experimental results performed in the framework of the HIPER European Project. , 2011, , .		0
149	Detection of pollutant sources in the atmosphere with Lidar/Dial techniques: Results of an experimental campaign in the south of Italy. , 2014, , .		0
150	Novel ESPI Measurement Prototype for Analyzing Biological Samples from Cell Culture Technique. Materials Science Forum, 2016, 879, 1859-1864.	0.3	0
151	Experimental Bio-ESPI for Validation of Magnetic Induced Deformation on HeLa Cells. Materials Science Forum, 2016, 879, 1141-1146.	0.3	0
152	Miniaturized Laser Power Sensor via Rapid Phototyping. Materials Science Forum, 2016, 879, 1721-1724.	0.3	0
153	The Use of Vibrotactile Stimulation for Improving Manual Tasks in Parkinson's Disease Patients. Materials Science Forum, 2016, 879, 2348-2351.	0.3	0
154	Surface phenomena during the early stage of liquid phase SPS of a mixture of coarse WC and Ni-Alloy particles. Surface and Interface Analysis, 2018, 50, 1072-1076.	0.8	0
155	Analyte Tracking for Novel Bio-Applications. Materials Science Forum, 2018, 941, 2454-2457.	0.3	0
156	Monitoring of Cytotoxic Induced Cellular Displacements by Utilizing Electronic Speckle Pattern Interferometry. Materials Science Forum, 2018, 941, 2513-2517.	0.3	0
157	Portable System for the Measure of Efficiency in Arc Welding Processes. Materials Science Forum, 2018, 941, 2384-2389.	0.3	0
158	Experimental Real-Time Tracking and Numerical Simulation of Hazardous Dust Dispersion in the Atmosphere. , 2018, , 41-48.		0
159	Conceptual study for long-term monitoring of chemotherapeutic induced cell reactions by ESPI. TM Technisches Messen, 2018, 85, 111-118.	0.3	0
160	Surface Morphology of Refractory Metals Submitted to a Single Laser Pulse. Materials Science Forum, 0, 1016, 1526-1531.	0.3	0