

METRICS (last update: 26/12/2025)

GOOGLE SCHOLAR: 203 publications, 1857 citations, h-index 23

SCOPUS: 187 publications, 1617 citations, h-index 20

WEB OF SCIENCES: 184 publications, 1490 citations, h-index 19

PUBLICATIONS in REFEREED JOURNALS:

1. L. Torrisi, G. Genovese, D. Spagnuolo, D. Lombardo, A. Torrisi, M. Cutroneo "Highly yield of blue photoluminescence in rehydrated *Sargassum muticum* algae at room temperature", *J. Lumin.* **289**, 121623 (2026). DOI: 10.1016/j.jlumin.2025.121623
2. A. Italiano, M. Cutroneo, A. M. A. Mastelloni, A. Torrisi, L. Torrisi "Old Fragments of Architectural Ceramic Structures of the Sixth Century BCE from the Archaeological Museum "Bernabò Brea" (Lipari) Analysed Using a Portable XRF System", *Heritage* **8**, 12(535), (2025). DOI: doi.org/10.3390/heritage8120535
3. L. Torrisi, M. Cutroneo, A. Torrisi, "Gas diffusion coefficients in graphene oxide foils vs. atomic and molecular weight", *Bull. Mater. Sci.* **48**, 139 (2025). DOI: 10.1007/s12034-025-03496-1
4. L. Torrisi, A. Malara, A. Fotia, C. Nunnari, P. Frontera, A. Torrisi, G. Salvato, L. Silipigni, M. Cutroneo "Physical Characterization of Multifiber Polyvinylidene Fluoride with the Addition of Hexafluoropropylene and/or Graphene Oxide", *Polymers* **17**, 3037 (2025). DOI: 10.3390/polym17223037
5. L. Torrisi, B. Fazio, A. Serra, D. Manno, A. Torrisi, M. Cutroneo "Multiple spectroscopies of carbon dots synthesized by laser ablation in biocompatible liquid", *Opt. Laser Technol.* **192**, part E, 113986 (2025). DOI: 10.1016/j.optlastec.2025.113986
6. L. Torrisi, L. Silipigni, A. Torrisi, M. Cutroneo, A. Malara, A. Fotia, C. Nunnari, P. Frontera "Physical Characterization of Multiwire Polystyrene Produced by Electrospinning Technique", *Polymers* **17**(19), 2587 (2025). DOI: 10.3390/polym17192587
7. L. Torrisi, A. Torrisi, M. Cutroneo "Fullerene C20 synthesis in carbon plasma produced by Nd:YAG laser ablation", *Appl. Nanosci.* **15**(40), 1-13 (2025). DOI: 10.1007/s13204-025-03115-9
8. L. Torrisi, A. Torrisi, M. Cutroneo "Comparison between ns-laser ablation in vacuum of two metals with very high and very low boiling points: zinc and tungsten", *Appl. Phys. A* **131**(8), 1-12 (2025). DOI: 10.1007/s00339-025-08730-5
9. L. Torrisi, A. Torrisi, M. Cutroneo "Mass spectrometry of laser reduced graphene oxide in vacuum", *Int. J. Mass Spectrom.* **516**, 117494 (2025). DOI: 10.1016/j.ijms.2025.117494
10. L. Torrisi, G. Genovese D. Spagnuolo D. Lombardo, A. Torrisi, M. Cutroneo "Highly visible photoluminescence in biocompatible liquids obtained by rehydration of *Saccharina latissima* algae at room temperature", *Opt. Mater.* **167**, 117245 (2025). DOI: 10.1016/j.optmat.2025.117245

11. L. Torrisi, D. Manno, A. Serra, A. Torrisi, M. Cutroneo "Full-colors by luminescence induced by UV excitation in carbon dots synthesized by graphite laser ablation and oxidation in liquids", *Opt. Laser Technol.* **191**, 113308 (2025). DOI: 10.1016/j.optlastec.2025.113308
12. L. Torrisi, M. Cutroneo, A. Torrisi, D. Manno, A. Serra "Synthesis of High Fluorescent Carbon Dots by Laser Ablation of Bay Leaves in Biocompatible Solutions", *Luminescence* **40**(5), e70202 (2025). DOI: 10.1002/bio.70202
13. A. Torrisi, A. M. Roszkowska, M. Cutroneo, L. Torrisi, "Spectroscopic Analysis of Silicone Intraocular Lenses by Optical Transmission Measurements and FTIR", *Int. Polym. Process.* **40**(4) (2025). DOI: 10.1515/ipp-2025-0016
14. A. Torrisi, M. Lentini, S. Pezzino, C. Gagliano, S. Lavalle, R. Malaguarnera, S. Castorina, F. Torrisi, A. Maniaci "The Promise and Challenges of 3D Bioprinting in Otolaryngology: A Contemporary Perspective Viewpoint", *Clin. Otolaryngol.* **50**(5) (2025). DOI: 10.1111/coa.14333
15. L. Torrisi, M. Cutroneo, A. Torrisi "Plasma production by laser ablation of heavy metals", *Contrib. Plasm. Phys.* **65**(7), e70023 (2025). DOI: 10.1002/ctpp.70023
16. L. Silipigni, M. Cutroneo, G. Salvato, A. Torrisi, L. Torrisi "Thermally treated GO foil dielectric properties under low and medium vacuum conditions", *Radiat. Eff. Defects S.* **180**(1-2), 4-15 (2025). DOI: 10.1080/10420150.2025.2474956
17. M. Cutroneo, L. Silipigni, A. Torrisi, D. Franco, P. Malinsky, L. Torrisi "Polymethylmethacrylate-palladium composites as promising packaging material", *Radiat. Eff. Defects S.* **180**(1-2), 156-165 (2025). DOI: 10.1080/10420150.2025.2475365
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23. L. Torrisi, A. Torrisi, M. Cutroneo "Luminescence enhancement of carbon dots synthesized by intense CW laser at 450 nm irradiating biocompatible solutions", *Fuller. Nanotub. Car. N.* **33**(2), (2025). DOI: 10.1080/1536383X.2024.2391548
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PEER-REVIEWED CONFERENCE PROCEEDINGS:

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2. A. Torrisi, P. Horák, J. Vacík, A. Cannavò, G. Ceccio, R. Yatskiv, J. Fara, P. Fitl, J. Vlček, M. Vršata "Preparation of heterogenous copper-titanium oxides for chemiresistor applications", E-MRS Conference, Warsaw, Sept. 2019, *Materials Today: Proceedings* **33**(6), 2512-2516 (2020). DOI: 10.1016/j.matpr.2020.05.061
3. L. Torrisi, A. Cassisa, L. Silipigni, M. Cutroneo, A. Torrisi "Nanoparticles: Production, Characterization and Applications", *VI Workshop Plasmì Sorgenti Fisica e Applicazioni*, PSBA 2018, 14th - 15th Dec. 2018 Università del Salento, Lecce, Italy (2020). DOI: 10.1285/i9788883051555p8
4. A. Torrisi, W. Krauze, A. Bartnik, J. Kostecki, M. Maisano, H. Fiedorowicz "Tomographic imaging with the use of a compact soft X-ray microscope based on a laser plasma light source", *Proc. of SPIE, Conf. EOO19, Optics+Optoelectronics*, Prague (Czech Rep.), 1st - 4th Apr 2019 - Volume 11032, EUV and X-ray Optics: Synergy between Laboratory and Space VI; 110320N (2019). DOI: 10.1117/12.2527310

5. A. Torrisi, P.W. Wachulak, H. Fiedorowicz, L. Torrisi "Silicon carbide detectors for diagnostics of laser-produced plasmas", *Proc. of SPIE*, Conf. EOO19, Optics+Optoelectronics, Prague (Czech Republic), 1st - 4th Apr 2019 - Volume 11032, EUV and X-ray Optics: Synergy between Laboratory and Space VI; 110320W (2019). DOI: 10.1117/12.2527311
6. A. Torrisi, M. Cutroneo, G. Ceccio, A. Cannavò, P. Horak, L. Torrisi, J. Vacik "Laser-generated nanoparticles to change physical properties of solids, liquids and gases", Conference Proceedings, 10th Anniversary International Conference on Nanomaterials (17th - 19th Oct 2018, Brno, Czech Rep.) - Research and Application 2019, pp. 637-646
7. G. Ceccio, A. Cannavò, P. Horak, A. Torrisi, I. Tomandl, V. Hnatowicz, J. Vacik "Study of lithium encapsulation in porous membrane using ion and neutron beams", Conference Proceedings, 10th Anniversary International Conference on Nanomaterials (17th - 19th Oct 2018, Brno, Czech Rep.) - Research and Application 2019, pp. 701-706
8. A. Cannavò, V. Havránek, V. Lavrentiev, L. Torrisi, M. Cutroneo, G. Ceccio, A. Torrisi, P. Horak, J. Vacik "Production and characterization of micro-size pores for ion track etching applications", Conference Proceedings, 10th Anniversary International Conference on Nanomaterials (17th - 19th Oct 2018, Brno, Czech Rep.) - Research and Application 2019, pp. 652-658
9. V. Bejsovec, A. Cannavò, G. Ceccio, V. Hnatowicz, P. Horak, V. Lavrentiev, A. Macková, I. Tomandl, A. Torrisi, J. Vacik "Instrumentation for study of nanomaterials in NPI Rez", Conference Proceedings, 10th Anniversary International Conference on Nanomaterials (17th - 19th Oct 2018, Brno, Czech Rep.) - Research and Application 2019, pp. 730-735
10. P.W. Wachulak, A. Torrisi, M. Ayele, J. Czwartos, A. Bartnik, R. Jarocki, J. Kostecki, M. Szczurek, Ł. Węgrzyński, H. Fiedorowicz "Nanoscale Imaging using a Compact Laser Plasma Source of Soft X-rays and Extreme Ultraviolet (EUV)", *Proc. of the 15th International Conference on X-ray Lasers (ICXRL 2016)*, Nara (Japan, 22nd - 26th May 2016) – pp. 251-260 (2018), ISBN 978-3-319-73025-7. DOI: 10.1007/978-3-319-73025-7_37
11. A. Torrisi, P.W. Wachulak, A. Bartnik, Ł. Węgrzyński, T. Fok, H. Fiedorowicz "Development and optimization of a "water window" microscope based on a gas-puff target laser-produced plasma source", *EPJ Web Conf.* **167**, 03002 (2018). DOI: 10.1051/epjconf/201816703002
12. P.W. Wachulak, A. Torrisi, M. Ayele, A. Bartnik, J. Czwartos, Ł. Węgrzyński, T. Fok, H. Fiedorowicz "Nanoimaging using soft X-ray and EUV laser-plasma sources", *EPJ Web Conf.* **167**, 03001 (2018). DOI: 10.1051/epjconf/201816703001
13. P.W. Wachulak, A. Torrisi, M. Ayele, A. Bartnik, J. Czwartos, Ł. Węgrzyński, T. Fok, T. Parkman, Š. Vondrová, J. Turňová, H. Fiedorowicz "Soft X-ray imaging with incoherent sources", *Proc. Of SPIE* **10243**, 102430O-1 (2017). DOI: 10.1117/12.2265093
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17. P. W. Wachulak, A. Torrisi, M. F. Nawaz, D. Adjei, A. Bartnik, J. Kostecki, Ł. Węgrzyński, Š. Vondrová, J. Turňová, T. Fok, A. Jančarek, H. Fiedorowicz "A compact "water-window" microscope with 60 nm spatial resolution based on a double stream gas-puff target and Fresnel zone plate optics", *Proc. of SPIE* 9510, EUV and X-ray Optics: Synergy between Laboratory and Space IV, 95100M-95100M-8 (2015). DOI: 10.1117/12.2181431
18. A. Torrisi, P. Wachulak, F. Nawaz, A. Bartnik, J. Kostecki, L. Węgrzyński, R. Jarocki, M. Szczurek, H. Fiedorowicz "Nanoscale imaging and optimization of a compact "water window" SXR microscope", *Proc. of SPIE* 9510, EUV and X-ray Optics: Synergy between Laboratory and Space IV, 95100N-95100N-11 (2015). DOI: 10.1117/12.2181436
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20. A. Torrisi, A. Grillo, V. Bellini, P. Finocchiaro "The CATANA Proton Therapy Facility at LNS Catania: An ALARA Approach", Safe Application of Radiation and radionuclides SARA, Final Report on the ALARA Workshop, CHERNE Project 2014, Mol, Belgium. DOI: 10.13140/2.1.1787.3920 (2014)
21. L. Torrisi, A. Cannavò, L. Calcagno, A. Torrisi "SiC detectors for fast diagnostic of high intensity laser-generated plasmas", IV^o Workshop on Plasma, Sources and Biophysics Applications (PSBA 2014), Lecce (Italy), 17th - 18th October, 2014. DOI: 10.1285/i9788883051081p69
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23. A. Torrisi, M. Cutroneo, E. D. Castrizio, L. Torrisi "Laser ablation coupled to mass quadrupole spectrometry for analysis in the cultural heritage", Workshop on Plasma Physics by Laser and Applications 2013 (PPLA 2013), Dept. of Physics of the University of Salento, Lecce (Italy), 2nd-4th October, 2013, *J. Phys. Conf. Ser.* **508** 012025 (2013) DOI:10.1088/1742-6596/508/1/012025
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26. L. Torrisi, G. Mondio, T. Serafino, F. Caridi, A. Borrielli, D. Margarone, L. Giuffrida, A. Torrisi "LAMQS, EDXRF and SEM analyses of old coins", I Workshop on Plasma, Sources, Biophysics and Applications Dept. of Physics of the University of Salento, Lecce (Italy), 9th October, 2008. DOI: 10.1285/i9788883050718p30

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CONFERENCE ABSTRACTS, TALKS, WORKSHOPS and POSTER PRESENTATIONS:

1. L. Torrisi, D. Lombardo, M. Cutroneo, A. Torrisi, D. Manno, A. Serra, “Carbon dots from laser ablation of graphene oxide in biocompatible solutions”, XXI ELS conference, 23rd-27th June 2025, Milazzo (Messina, Italy).
2. L. Torrisi, L. Silipigni, D. Lombardo, D. Franco, A. Torrisi, M. Cutroneo, “Carbon dots luminescence via carbon laser ablation in biocompatible solution”, XXXV Annual Conference of SIFB (Società Italiana di Fotobiologia) – Mediterranean Edition, 9th September 2024, University of Messina, Messina (Italy).
3. L. Torrisi, D. Lombardo, L. Silipigni, A. Torrisi, M. Cutroneo, “Luminescence of Carbon dots produced by laser ablation in biocompatible liquid”, Workshop “Light Interaction”, 20st May 2024, Accademia Peloritana dei Pericolanti, Messina (Italy).
4. A. Torrisi, “Progettazione e realizzazione di dispositivi di potenza e rivelatori di radiazione”, UNICT PNRR RTDday, 25th July, 2023, Rettorato Università di Catania (Italy).
5. L. Torrisi, L. Silipigni, G. Salvato, M. Cutroneo, A. Torrisi “Graphene-based materials: properties, advancements and applications”, Workshop on Physics and Engineering: synergy of innovative materials’ technology and applications in basic research, 21st November 2022, Accademia Peloritana dei Pericolanti, Messina (Italy).
6. L. Servoli, C. Grimani, L. Calcagnile, A.P. Caricato, G.A.P. Cirrone, T. Croci, R. Di Lorenzo, M. Fabi, P.P. Falciglia, L. Frontini, G. Cuttone, B. Gianfelici, M. Ionica, M. Italiani, K. Kanxheri, M. Large, V. Liberali, M. Martino, G. Maruccio, G. Mazza, M. Menichelli, G.G. Milluzzo, A.G. Monteduro, A. Morozzi, F. Moscatelli, S. Pallotta, M. Paolucci, D. Passeri, I.V. Patti, M. Pedio, M. Petasecca, G. Petringa, F. Peverini, L. Piccolo, P. Placidi, G. Quarta, S. Rizzato, G. Rossi, A. Stabile, C. Talamonti, A. Torrisi, R.J. Wheadon, M. Villani, N. Wyrsh “Hydrogenated amorphous silicon (a:Si-H) detectors for Space Weather Applications”, ASI (Italian Space Agency) – Workshop Tematiche e obiettivi per futuri programmi scientifici spaziali, 20th - 22th April 2022, Rome (Italy).
7. A. Torrisi and P.W. Wachulak “Sorgenti a gas-puff permicroscopia in trasmissione di campioni biologici”, 107° National Conference SIF, 13th - 17th September 2021 (Online Conference) – Video Communication.
8. A. Serra, D. Manno, A. Torrisi, L. Calcagnile, M. Martino, A. Buccolieri, G. Quarta, M. Cesaria, P. Verwilligen, A.P. Caricato “Characterization of pulsed-laser deposited diamond-like carbon films for micro-pattern gas detectors”, 107° National Conference SIF, 13th - 17th September 2021 (Online Conference) – Video Communication.
9. D. Manno, A. Serra, A. Torrisi, L. Calcagnile, M. Cutroneo, L. Silipigni, L. Torrisi “Transmission electron microscopy for the analysis of defects induced in graphene oxide by ion irradiation”, 107° National Conference SIF, 13th - 17th September, 2021 (Online Conference) – Video Communication.
10. M. Cutroneo, M. Davidkova, V. Havranek, A. Mackova, P. Malinsky, L. Silipigni, P. Slepicka, D. Fajstavr, A. Torrisi, L. Torrisi “Pulsed laser deposition of thin films on polydimethylsiloxane for Biomedical application”, ANPC 2020, Prague (Czech Republic), 12th -16th September 2021 – POSTER

11. A. Torrisi, M. Cutroneo, L. Silipigni, L. Torrisi "Diagnostic and radiotherapy improvement employing metallic biocompatible nanoparticles", E-MRS 9th European Nanoanalysis Symposium, 9th October, 2020 (Online Conference) – POSTER
12. A. Torrisi, P. Horak, A. Cannavò, G. Ceccio, J. Vacik, J. Grym, J. Vanis, R. Yatskiv "Multilayered Cu-Ti deposition on silicon substrates for chemiresistor applications", PBSi2019, Rome (Italy), 2nd - 4th December, 2019 – POSTER
13. A. Torrisi, P. Wachulak, H. Fiedorowicz, L. Torrisi "Characterization of Si and SiC detectors for laser-generated plasma monitoring in short wavelength range", PPLA 2019, Pisa (Italy), 29th -31st October, 2019 – **INVITED TALK**
14. A. Torrisi, M. Cutroneo, L. Torrisi, J. Vacik "Biocompatible Nanoparticole production by laser ablation in liquids", PPLA 2019, Pisa (Italy), 29th -31st October, 2019 – POSTER
15. G. Ceccio, S. Trusso, A. Cannavò, P. Horak, A. Torrisi, J. Vacik, P. Apel, S. Bakardjieva, J. Šubr "Ion transmission spectroscopy of pores filled with the Au nanoparticles", IBA 2019, Antibes (France), 13th - 18th October, 2019.
16. A. Cannavò, J. Vacík, V. Hnatowicz, G. Ceccio, P. Horák, A. Torrisi, U. Koster, G. Pasold "Study of Li diffusion in thin film of Re annealed at high temperatures", ECASIA 2019, Dresden (Germany), 15th – 20th September, 2019.
17. A. Torrisi, P. Horak, A. Cannavò, G. Ceccio, J. Vacik, J. Fara, P. Fitl, J. Vlcek, M. Vrnata "J Preparation of heterogenous copper titanium oxides for chemiresistor applications", E-MRS 2019 Fall, Warsaw (Poland), 13th-16th September, 2019 – POSTER
18. G. Ceccio, S. Bakardjieva, P. Horak, J. Vacik, A. Cannavò, V. Lavrentiev, A. Torrisi, A. Michalcova, R. Klie, X. Rui, L. Calcagno "Effect of Ar⁺ irradiation of Ti2InC at different ion beam fluences", SMMIB 2019, Tomsk (Russia), 25th-30th August, 2019
19. M. Cutroneo, V. Havranek, P. Malinsky, A. Mackova, A. Torrisi, J. Flaks, P. Slepicka, L. Silipigni, L. Torrisi "Compositional, morphological and optical modifications in polydimethylsiloxane irradiated by micro ion beam", ECAART13, Split (Croatia), 5th-10th May, 2019
20. P. Horak, G. Ceccio, A. Cannavò, A. Torrisi, J. Vacik, S. Bakardieva, X. Rui, R. Klie "Synthesis of the Ti2C MXene by ion beam sputtering and an effect of ion irradiation on its microstructure", ECAART13, Split (Croatia), 5th-10th May, 2019
21. P.W. Wachulak, A. Torrisi, W. Krauze, A. Bartnik, J. Kostecki, M. Maisano, H. Fiedorowicz "Tomographic imaging with the use of a compact soft X-ray microscope based on a laser plasma light source", SPIE, Conf. EOO19, Optics+Optoelectronics, Prague (Czech Republic), 1st-4th April 2019 – TALK
22. A. Torrisi, P. W. Wachulak, H. Fiedorowicz, L. Torrisi "Silicon carbide detectors for diagnostics of laser-produced plasmas", SPIE, Conf. EOO19, Optics+Optoelectronics, Prague (Czech Republic), 1st-4th April, 2019 - POSTER
23. A. Torrisi, M. Cutroneo, L. Torrisi, J. Vacik "Metallic nanoparticles by pulsed laser ablation in water", SNAIA 2018, Paris (France), 10th -13th December, 2018 – POSTER
24. P. Wachulak, M. Duda, A. Torrisi, A. Bartnik, M. Ayele, Ł. Węgrzyński, T. Fok, A. Sarzyński, A. Jancarek, H. Fiedorowicz "Applications of laser-plasma double stream gas puff target sources of the EUV and SXR radiation", Workshop "Visions on Future Laser-based X-ray Science and Technology", Barcelona (Spain), 19th-20th November, 2018

25. A. Torrisi, M. Cutroneo, G. Ceccio, A. Cannavò, P. Horak, L. Torrisi, J. Vacik "Laser-generated nanoparticles to change physical properties of solids, liquids and gases", NANOCON2018, Brno, (Czech Republic), 17th -19th October, 2018 - POSTER
26. G. Ceccio, A. Cannavò, P. Horak, A. Torrisi, I. Tomandl, V. Hnatowicz, J. Vacik "Study of lithium encapsulation in porous membrane using ion and neutron beams", NANOCON2018, Brno, (Czech Republic), 17th -19th October, 2018
27. A. Cannavò, V. Havránek, V. Lavrentiev, L. Torrisi, M. Cutroneo, G. Ceccio, A. Torrisi, P. Horak, J. Vacik, "Production and characterization of micro-size pores for ion track etching applications", (Czech Republic), 17th -19th October, 2018
28. V. Bejsovec, A. Cannavò, G. Ceccio, V. Hnatowicz, P. Horak, V. Lavrentiev, A. Macková, I. Tomandl, A. Torrisi, J. Vacik "Instrumentation for study of nanomaterials in NPI Rez", NANOCON2018, Brno (Czech Republic), 17th -19th October, 2018
29. A. Torrisi, P. W. Wachulak, H. Fiedorowicz, L. Torrisi "Monitoring of the Plasma Generated by a Gas-Puff Target Source Dedicated for SXR/EUV Microscopy", CHANNELING 2018, Ischia (Italy), 23rd -28th September, 2018 - **INVITED TALK**
30. M. Cutroneo, L. Torrisi, A. Torrisi, J. Badziak, M. Rosinsky, A. Mackowa, P. Malinsky, Z. Sofer, R. Battger "Hybrid Graphene Based Material Promising Target in Laser Matter Interaction", CHANNELING 2018, Ischia (Italy), 23rd -28th September, 2018
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32. L. Torrisi, A. Italiano, M. A. Mastelloni, A. Torrisi, M. Cutroneo "New and old fragments of architectural ceramic structures of the VI cent. BC from the Archaeological Museum "Bernabò Brea"(Lipari): an XRF analysis", E-MRS 2018, Strasbourg (France), 18th - 22nd June, 2018
33. P. Wachulak, A. Torrisi, M. Ayele, A. Bartnik, J. Czwartos, Ł. Węgrzyński, T. Fok, T. Parkman, Š. Vondrová, J. Turňová, H. Fiedorowicz "Nanoimaging using soft X-rays and extreme ultraviolet (EUV) produced using laser plasma light sources", ICEL 2017 - International Conference on Extreme Light, Bucharest (Romania), 6th -9th November, 2017
34. A. Torrisi, P. Wachulak, A. Bartnik, H. Fiedorowicz, M. Coreno "Feasibility of a gas-puff target source dedicated for XUV plasma generation", XTRAM 2017, Erice (Italy), 24th -28th July, 2017 – POSTER
35. A. Torrisi, P. Wachulak, A. Bartnik, Ł. Węgrzyński, T. Fok, H. Fiedorowicz, „Development and optimization of a "water window" microscope based on a gas-puff target laser-produced plasma source", Plasma Physics by Laser and Applications, 8th PPLA 2017, University of Messina, Messina (Italy), 5th -7th July, 2017 – **INVITED TALK**
36. L. Torrisi, A. Italiano, M. A. Mastelloni, A. Torrisi, M. Cutroneo "New and old fragments of architectural ceramic structures of the VI cent. BC from the Archaeological Museum "Bernabò Brea" (Lipari): an XRF analysis", E-MRS2018, Strasbourg (France), 18th - 22nd June, 2018

37. A. Torrisi, P. Wachulak, A. Bartnik, Ł. Wegrzynski, T. Fok, H. Fiedorowicz, L. Pina "Employment of short wavelength radiation for development of nanoimaging systems based on a double stream gas-puff target sources and Fresnel optics", Extreme-ultraviolet and X-ray Training in Advanced Technologies for Interdisciplinary Cooperation EXTATIC 2017 Welcome Week Workshop, Trieste (Italy), 16th - 20th January, 2017 – TALK
38. P. W. Wachulak, A. Torrisi, A. Bartnik, Ł. Wegrzynski, T. Fok, H. Fiedorowicz "Mikroskop pracujący w zakresie „okna wodnego” z rozdzielczością 60 nm na bazie laserowo-plazmowego źródła SXR i jego przykładowe aplikacje", XI sympozjum Techniki Laserowej (Laser Technology Symposium), Jastarnia, Poland, 27th – 30th September 2016
39. H. Fiedorowicz, A. Bartnik, P. Wachulak, R. Jarocki, J. Kostecki, M. Szczurek, D. Adjei, I. Ul Ahad, M. Ayele, T. Fok, I. Saber, A. Szczurek, T. Fok, A. Torrisi, Ł. Wegrzynski "Laserowo-plazmowe źródła miękkiego promieniowania rentgenowskiego i skrajnego nadfioletu (EUV) do zastosowań w nauce i technologii", XI sympozjum Techniki Laserowej (Laser Technology Symposium), Jastarnia (Poland), 27th – 30th September, 2016
40. P. W. Wachulak, A. Bartnik, A. Torrisi, Ł. Wegrzynski, T. Fok, H. Fiedorowicz "Extreme Ultraviolet and soft X-ray microscopes with nanometer spatial resolution based on laser-plasma sources and their applications". COST Action MP1302 Nanospectroscopy, Joint MC and WG Meeting and Topical Meeting on Nanoparticles, Military University of Technology, Warsaw (Poland), 13th - 16th September, 2016
41. A. Torrisi, P. Wachulak, A. Bartnik, Ł. Wegrzynski, T. Fok, H. Fiedorowicz "Recent developments in table-top SXR/EUV microscopy using compact gas-puff target sources"- XRM 2016, Oxford (United Kingdom), 15th - 19th August, 2016 – POSTER
42. A. Torrisi, P.W. Wachulak, A. Bartnik, Ł. Węgrzyński, T. Fok, H. Fiedorowicz "Development of EUV and SXR nanoscale imaging systems based on double stream gas puff target sources"- ISSRNS 2016, Ustron (Poland), 13th - 18th June, 2016 - TALK
43. A. Torrisi, P. W. Wachulak, M. F. Nawaz, H. Fiedorowicz, L. Pina "Characterization and optimization of SXR and EUV nanoscale imaging microscopy based on double stream gas-puff target sources", Extreme-ultraviolet and X-ray Training in Advanced Technologies for Interdisciplinary Cooperation EXTATIC 2016 Welcome Week Workshop, Southampton (United Kingdom), 11th - 15th January, 2016 – TALK
44. P. Wachulak, A. Torrisi, L. Wegrzynski, A. Bartnik, T. Fok, H. Fiedorowicz "Soft X-ray compact microscope based on a double stream gas puff target source and applications", XFEL Users Meeting 2016, DESY Hamburg (Germany), 27th - 29th January, 2016
45. P.W. Wachulak, A. Bartnik, A. Torrisi, L. Wegrzynski, T. Fok, J. Kostecki, R. Jarocki, A. Szczurek, M. Szczurek, D. Adjei, M. G. Ayele, I. Saber, H. Fiedorowicz "Desk-top soft X-ray microscopy based on compact laser plasma X-ray sources", LASERLAB-EUROPE III Joint JRA Meeting, Milan (Italy), 23rd - 25th November, 2015
46. A. Torrisi, P. W. Wachulak, Š. Vondrová, J. Turňová, A. Bartnik, L. Wegrzynski, H. Fiedorowicz "SXR and EUV nanoscale imaging microscopy using a compact gas puff target source: Acquisition parameters optimization", PPLA 2015, Frascati, (Italy), 5th - 7th October, 2015 – **INVITED TALK**

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