

## LIST OF SCIENTIFIC PUBLICATIONS

dr. V. Tosa

166. R.M. Vazquez, A. G. Ciriolo, G. Crippa, V. Tosa, F. Sala, M. Devetta, C. Vozzi, S. Stagira, R. Osellame, *Femtosecond laser micromachining of integrated glass devices for high-order harmonic generation*, International Journal of Applied Glass Science in print (2021)
165. T. Csizmadia, L.G. Oldal, P. Ye, S. Majorosi, P. Tzallas, G. Sansone, V. Tosa, K. Varju, B. Major, S. Kahaly, *Detailed study of quantum path interferences in high harmonic generation driven by chirped laser pulses* New Journal of Physics **23**, 123012 (2021)
164. P.V. Mercea, C. Loscher, H. Benz, M. Petrasch, C. Costa, V.W. Stone, V. Tosa *Migration of substances from unplasticized polyvinylchloride into drinking water. Estimation of conservative diffusion coefficients*, Polymer Testing, **104**, 107385 (2021)
163. B. Major, O. Ghafur, K. Kovacs, K. Varju, V. Tosa, M.J.J. Vrakking, B. Schutte, *Compact intense extreme-ultraviolet source* Optica **8**, 960 (2021)
162. B. Major, M. Kretschmar, O. Ghafur, A. Hoffmann, K. Kovacs, K. Varju, B. Senfftleben, J. Tummeler, I. Will, T. Nagy, D. Rupp, M.J.J. Vrakking, V. Tosa, B. Schutte, *Propagation-assisted generation of intense few-femtosecond high-harmonic pulses* J. Phys. Photonics **2**, 034002 (2020)
161. A. Falamas, S.A. Porav, V. Tosa, *Investigations of the Energy Transfer in the Phycobilisome Antenna of Arthrospira platensis Using Femtosecond Spectroscopy* Applied Sciences-Basel **10** 4045 (2020)
160. A. G. Ciriolo, R. Martinez Vazquez, V. Tosa, A. Frezzotti, G. Crippa, M. Devetta, D. Facciala, F. Frassetto, L. Poletto, A. Pusala, C. Vozzi, R. Osellame and S. Stagira, *High-order harmonic generation in a microfluidic glass device*, Journal of Physics: Photonics **2**, 024005 (2020)
159. A.M.M. Gherman, V. Tosa, *A model for coherent beam combining of two ultrashort laser pulses*, AIP Conference Proceedings **2206**, 050003 (2020)
158. A.M.M. Gherman, V. Tosa, *Local electric field enhancement in cuboid gold nanoparticle for SERS applications*, AIP Conference Proceedings **2206**, 050002 (2020)
157. K. Kovacs, V. Tosa, *Generation of two successive attosecond pulses in separate spectral domains*, Scientific Reports **10**, 7392 (2020)
156. P.V. Mercea, C. Losher, M. Herburger, O.G. Piringier, V. Tosa, M. Cassart, G. Dawkins, B. Faust, *Repeated migration of additives from a polymeric article in food simulants* Polymer Testing, **85**, 106436 (2020)
155. A.M.M. Gherman, S. Boca, A. Vulpoi, M.V. Cristea, C. Farcau, V. Tosa, *Plasmonic photothermal heating of gold nanostars in a real-size container: multiscale modelling and experimental study* Nanotechnology, **31**, 125701 (2020)
154. C. Tripon, M. Depriester, I. Craciunescu, V. Tosa, D. Dadarlat, A.H. Sahraoui, *Photothermal investigations of phase transitions in liquid thermoelectrics*, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, **138**, 713-720 (2019)
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151. K. Kovacs, V. Tosa,  
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142. B. Major, E. Balogh, K. Kovacs, S. Han, B. Schutte, P. Weber, M.J.J. Vrakking, V. Tosa, A. Rouzee, K. Varju,  
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