

عبدالله بن محمد الزير
Abdallah M. Azzeer

List of published research work;

NO	Article	Journal	I F
54	J. Blöchl, M. Kuthe, H. Schröder, A. Azzeer, T. Nubbemeyer, and M. Kling, " Multi-millijoule hollow-core fiber compression of short-wave infrared pulses to a single cycle ,"	Opt. Express 33, 28071-28080 (2025).	3.4
53	Kosmas V. Kepesidis, Philip Jacob, Wolfgang Schweinberger, Marinus Huber, Nico Feiler, Frank Fleischmann, Michael Trubetskov, Liudmila Voronina, Jacqueline Aschauer, Tarek Eissa, Lea Gigou, Patrik Karanduš ovsky, Ioachim Pupeza, Alexander Weigel, Abdallah Azzeer, Christian G. Stief, Michael Chaloupka, Niels Reinmuth, Jürgen Behr, Thomas Kolben, Nadia Harbeck, Maximilian Reiser, Ferenc Krausz, and Mihaela Ž igman, " Electric-Field Molecular Fingerprinting to Probe Cancer ,"	ACS Central Science 11 (4), 560-573 (2025).	10.4
52	Kai-Fu Wong, Weiwei Li, Zilong Wang, Vincent Wanie, Erik Månsson, Dominik Hoeing, Johannes Blöchl, Thomas Nubbemeyer, Abdallah Azzeer, Andrea Trabattoni, Holger Lange, Francesca Calegari, and Matthias F. Kling, " Far-Field Petahertz Sampling of Plasmonic Fields "	Nano Lett. , 24, 5506–5512 (2024)	10.8
51	Weiwei Li, Ahmad Saleh, Manas Sharma, Christian Hünecke, Marek Sierka, Marcel Neuhaus, Lina Hedewig, Boris Bergues, Meshaal Alharbi, Hadi ALQahtani, Abdallah M. Azzeer, Stefanie Gräfe, Matthias F. Kling, Abdullah F. Alharbi, Zilong Wang, " Resonance Effect in Brunel Harmonic Generation in Thin Film Organic Semiconductors ,"	Advanced Optical Materials 11, 2203070 (2023).	9.0
50	Ahmad Saleh, Weiwei Li, Hadi ALQahtani, Marcel Neuhaus, Ali Alshehri, Boris Bergues, Meshaal Alharbi, Matthias F. Kling, Abdallah M. Azzeer, Zilong Wang, Abdullah F. Alharbi, " Fifth-order Nonlinear Optical Response of Alq3 Thin Films ,"	Results in Physics 37, 105513 (2022)	4.476
49	Johannes Schoetz, Ancyline Maliakkal, Johannes Blöchl, Dmitry Zimin, Zilong Wang, Philipp Rosenberger, Meshaal Alharbi, Abdallah Azzeer , Matthiew Weidman, Vladislav Yakovlev, Boris Bergues, and Matthias Kling, " The emergence of macroscopic currents in photoconductive sampling of optical fields ,"	Nature Communications 13, 962 (2022)	14.919
48	Marcel Neuhaus, Johannes Schötz, Mario Aulich, Anchit Srivastava, Džiugas Kimbaras, Valerie Smejkal, Vladimir Pervak, Meshaal Alharbi, Abdallah M. Azzeer , Florian Libisch, Christoph Lemell, Joachim Burgdörfer, Zilong Wang, and Matthias F. Kling, " Transient field-resolved reflectometry at 50–100 THz ,".	Optica 9, 42-49 (2022)	11.104
47	Kosmas V. Kepesidis, Masa Bozic, Marinus Huber, Nashwa Abdel-Aziz, Sharif Kullab, Ahmed Abdelwarith, Abdulrahman Al Diab, Mohammed Al Ghamdi, Muath Abu Hilal, M.	BMC Cancer 21, 1287 (2021).	4.430

	R. Kailash Bahadoor, Abhishake Sharma, Farida Dabouz, Maria Arafah, Abdallah M. Azzeer , Ferenc Krausz, Khalid Alsaleh, Mihaela Zigman and Jean-Marc Nabholz, " Breast-cancer detection using blood-based infrared molecular fingerprints ,"		
46	J. Schötz, B. Förg, W. Schweinberger, I. Lontos, M. A. Masood, A. M. Kamal, C. Jakubeit, N. G. Kling, T. Paasch-Colberg, S. Biswas, M. Högnér, I. Pupeza, M. Alharbi, A. M. Azzeer , and M. F. Kling, " Phase-matching for generation of isolated attosecond XUV and soft-x-ray pulses with few-cycle drivers "	Physical Review X 10{4}, 041011 (2020)	12.577
45	Shubhadeep Biswas, Benjamin Förg, Lisa Ortmann, Johannes Schötz, Wolfgang Schweinberger, Tomas Zimmerman, Liangwen Pi, Denitsa Baykusheva, Hafiz A. Masood, Ioannis Lontos, Amgad M. Kamal, Nora G. Kling, Abdullah F. Alharbi, Meshaal Alharbi, Abdallah M. Azzeer , Gregor Hartmann, Hans J. Wörner, Alexandra S. Landsman, Matthias F. Kling, " Probing molecular environment through photoemission delays ,"	Nature Physics VOL 16, 778–783, (2020)	21.797
44	Ayman Alismail, Haochuan Wang, Gaia Barbiero, Najd Altwaijry, Syed Ali Hussain, Volodymyr Pervak, Wolfgang Schweinberger, Abdallah M. Azzeer , Ferenc Krausz, Hanieh Fattahi, " Multi-octave, CEP-stable source for high-energy field synthesis ,"	Science Advances , Vol. 6, no. 7, eaax3408 (2020).	12.804
43	Ioachim Pupeza, Marinus Huber, Michael Trubetskov, Wolfgang Schweinberger, Syed A. Hussain, Christina Hofer, Kilian Fritsch, Markus Poetzlberger, Lenard Vamos, Ernst Fill, Tatiana Amotchkina, Kosmas V. Kepesidis, Alexander Apolonski, Nicholas Karpowicz, Vladimir Pervak, Oleg Pronin, Frank Fleischmann, Abdallah Azzeer , Mihaela Žigman & Ferenc Krausz " Field-resolved infrared spectroscopy of biological systems "	Nature , Vol 577, PP 52–59 (2020).	43.070
42	F. M. Aldosari, A. M. Azzeer , & A. M. Hassib, " An Experimental Analysis to Assess Photo-Acoustic Techniques for Silver Nano-Particles; Considering Physical Properties ,"	Journal of Materials Science Research; Vol. 8, No. 1; pp 17 (2019).	5.94
41	F. M. Aldosari, A. M. Azzeer & A. M. Hassib, " Analyzing the Preparation and Properties of Silver Nanoparticles; A Photo-Acoustic Study ,"	Applied Physics Research; Vol. 10, No. 6; PP 29 (2018).	3.90
40	F. M. Aldosari, A. M. Azzeer & A. M. Hassib, " The Effects of Laser Energy, Repetition of Pulse Laser, Wavelength, and Temperature on Silver Nano-Particles ,"	Applied Physics Research; Vol. 10, No. 6; pp 38 (2018).	3.90
39	F. M. Aldosari, A. M. Azzeer , & A. M. Hassib, " Optical and Photoacoustic Properties of Colloidal Silver Nanoparticles Solutions "	Journal of Materials Science Research; Vol. 7, No. 4; pp1 (2018)	5.94

38	H. Li, Nora G. Kling, T. Gaumnitz, C. Burger, R. Siemering, J. Schötz, Q. Liu, L. Ban, Y. Pertot, J. Wu, A. M. Azzeer , R. De Vivie-Riedle, H. J. Wörner, and M. F. Kling, " Sub-cycle steering of the deprotonation of acetylene by intense few-cycle mid-infrared laser fields ,"	Optics Express , Vol. 25, No. 13, 14192 (2017)	3.307
37	Hassan Ouacha, Ali Hendaoui, Ulf Kleineberg, Hamad Albrithen, Abdallah Azzeer ," Controlled synthesis and photoluminescence properties of In₂O₃ rods with dodecahedron In₂O₃ microcrystals on top ,"	Physica Status Solidi (A) , 214 (10), 1700050 (2017).	1.775
36	Hanieh Fattahi, Haochuan Wang, Ayman Alismail, Gunnar Arisholm, Vladimir Pervak, Abdallah M. Azzeer , and Ferenc Krausz " Near-PHz-bandwidth, phase-stable continua generated from a Yb:YAG thin-disk amplifier ,"	Optics Express 24(21), 24337 (2016).	3.307
35	Alexander Guggenmos, Ayman Akil, Marcus Ossiander, Martin Schäffer, Abdallah Mohammed Azzeer , Gerhard Boehm, Markus-Christian Amann, Reinhard Kienberger, Martin Schultze, and Ulf Kleineberg, " Attosecond photoelectron streaking with enhanced energy resolution for small-bandgap materials ."	Optics Letters , Vol. 41, pp. 3714-3717, (2016)	3.416
34	Christian Burger, Nora G. Kling, Robert Siemering, Ali S. Alnaser, Boris Bergues, Abdallah M. Azzeer , Robert Moshhammer, Regina de Vivie-Riedle, Matthias Kübel and Matthias F. Kling, " Visualization of bond rearrangements in acetylene using near single-cycle laser pulses ,"	Faraday Discussions . 194, 495 (2016)	3.588
33	B. Förg, J. Schötz, F. Süßmann, M. Förster, M. Krüger, B. Ahn, W. A. Okell, K. Wintersperger, S. Zherebtsov ¹ , A. Guggenmos, V. Pervak, A. Kessel, S. A. Trushin, A. M. Azzeer , M. I. Stockman, D. Kim, F. Krausz, P. Hommelhoff, M.F. Kling, " Attosecond nanoscale near-field sampling ,"	Nature Communications 7, 11717 (2016)	12.124
32	S. H. Chew, A. Gliserin, J. Schmidt, H. Bian, S. Nobis, F. Schertz, M. Kübel, Y. Yang, H. Ouacha, A. M. Azzeer and U. Kleineberg, " Laser intensity effects in carrier-envelope phase-tagged time of flight-photoemission electron microscopy "	Appl. Phys. B: Lasers And Optics , 122:102 (2016)	1.696
31	Hanieh Fattahi, Ayman Alismail, Haochuan Wang, Jonathan Brons, Oleg Pronin, Theresa Buberl, Lénárd Vámos, Gunnar Arisholm, Abdallah M. Azzeer , and Ferenc Krausz, " High-power, 1-ps, all Yb:YAG thin-disk regenerative amplifier "	Opt. Lett. 41, 1126-1129 (2016)	3.416
30	M Kübel, R Siemering, C Burger, Nora G Kling, H Li, AS Alnaser, B Bergues, S Zherebtsov, AM Azzeer , I Ben-Itzhak, R Moshhammer, R de Vivie-Riedle, MF Kling, " Steering proton migration in hydrocarbons using intense few-cycle laser fields ,"	PHYSICAL REVIEW LETTERS , 116, 193001 (2016)	8.462

29	H. Carstens, N. Lilienfein, S. Holzberger, C. Jocher, T. Eidam, J. Limpert, A. Tünnermann, J. Weitenberg, D. C. Yost, A. Alghamdi, Z. Alahmed, A. Azzeer , A. Apolonski, E. Fill, F. Krausz, and I. Pupeza, "Megawatt-scale average-power ultrashort pulses in an enhancement cavity,"	Opt. Lett. 39, 2595-2598 (2014).	3.416
28	Hanieh Fattahi, Helena G Barros, Martin Gorjan, Thomas Nubbemeyer, Bidoor Alsaif, Catherine Y Teisset, Marcel Schultze, Stephan Prinz, Matthias Haefner, Moritz Ueffing, Ayman Alismail, Lénárd Vámos, Alexander Schwarz, Oleg Pronin, Jonathan Brons, Xiao Tao Geng, Gunnar Arisholm, Marcelo Ciappina, Vladislav S Yakovlev, Dong-Eon Kim, Abdallah M Azzeer , Nicholas Karpowicz, Dirk Sutter, Zsuzsanna Major, Thomas Metzger, Ferenc Krausz, "Third-generation femtosecond technology,"	Optica , Vol. 1, No. 1 , 45-63 (2014)	7.536
27	A. S. Alnaser, M. Kübel, R. Siemering, B. Bergues, Nora G. Kling, K.J. Betsch, Y. Deng, J. Schmidt, Z. A. Alahmed, A. M. Azzeer , J. Ullrich, I. Ben-Itzhak, R. Moshhammer, U. Kleineberg, F. Krausz, R. de Vivie-Riedle and M. F. Kling, "Subfemtosecond steering of hydrocarbon deprotonation through superposition of vibrational modes,"	Nature Communications 5, 3800 (2014)	11.470
26	H Li, A S Alnaser, X M Tong, K J Betsch, M Kübel, T Pischke, B Forg, J Schotz, F Sußmann, S Zherebtsov, B Bergues, A Kessel, S A Trushin, A M Azzeer and M F Kling, "Intensity dependence of the attosecond control of the dissociative ionization of D2"	J. Phys. B: At. Mol. Opt. Phys. 47(12) 124020 (2014)	1.975
29	Anees A. Ansari, A.K. Parchur, M. Alam, Abdallah Azzeer "Structural and photoluminescence properties of Tb-doped CaMoO ₄ nanoparticles with sequential surface coatings,"	Materials Chemistry and Physics 147, 715–721 (2014).	2.259
25	M. Kübel, A. Alnaser, B. Bergues, T. Pischke, J. Schmidt, Y. Deng, C. Jendrzewski, J. Ullrich, G. G. Paulus, A. M. Azzeer , U. Kleineberg, R. Moshhammer, and M. F. Kling, " Strong-field control of the dissociative ionization of N ₂ O with near-single-cycle pulses,"	New Journal of Physics , 16, pp. 65017-65031 (2014).	3.786
24	Anees A. Ansari, A.K. Parchur, Manawwer Alam, Abdallah Azzeer "Effect of surface coating on optical properties of Eu ³⁺ -doped CaMoO ₄ nanoparticles",	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 131, 30–36 (2014).	2.353

23	Anees A. Ansari, A. K. Parchur, M. Alam, J. Labis, Abdallah Azzeer "Influence of Surface Coating on Structural and Photoluminescent Properties of CaMoO ₄ :Pr Nanoparticles,"	Journal of Fluorescence 24(4),1253-1262 (2014)	1.927
22	S. Zherebtsov, F. Süßmann, P. Peltz, J. Plenge, K. Betsch, I. Znakovskaya, A. Alnaser, N. Johnson, M. Kübel, A. Horn, V. Mondes, G. Graf, S. A. Trushin, A. M. Azzeer , M. J. J. Vrakking, G. G. Paulus, F. Krausz, E. Rühl, Th. Fennel, and M. F. Kling "Carrier-envelope phase-tagged imaging of the controlled electron acceleration from SiO ₂ nanospheres in intense few-cycle laser fields,"	New Journal of Physics 14, 075010 (2012)	3.786
21	A. Wirth, M. Th. Hassan, I. Grguraš, J. Gagnon, A. Moulet, T. T. Luu, S. Pabst, R. Santra, Z. A. Alahmed, A. M. Azzeer , V. S. Yakovlev, V. Pervak, F. Krausz, E. Goulielmakis, "Synthesized Light Transients,"	Science , Vol. 334 no. 6053 pp. 195-200 (2011)	33.661
20	Ioachim Pupeza, Tino Eidam, Jan Kaster, Birgitta Bernhardt, Jens Rauschenberger, Akira Ozawa, Ernst E. Fill, Thomas Udem, Matthias F. Kling, Jens Limpert, Zeyad A. Alahmed, Abdallah M. Azzeer , Andreas Tünnermann, Theodor W. Hänsch and Ferenc Krausz, "Power scaling of femtosecond enhancement cavities and high-power applications",	Proc. SPIE 7914, 79141I (2011); doi:10.1117/12.877532	
18	F. Reiter, U. Graf, E. E. Serebryannikov, W. Schweinberger, M. Fiess, M. Schultze, A. M. Azzeer , R. Kienberger, F. Krausz, A. M. Zheltikov, and E. Goulielmakis, "Route to attosecond nonlinear spectroscopy "	Physical Review Letters , Vol. 105, No. 24, 243902 -4 (2010).	7.512
17	Eleftherios Goulielmakis, Zhi-Heng Loh, Adrian Wirth, Robin Santra, Nina Rohringer, Vladislav S. Yakovlev, Sergey Zherebtsov, Thomas Pfeifer, Abdallah M. Azzeer , Matthias F. Kling, Stephen R. Leone and Ferenc Krausz, "Real-time observation of valence electron motion"	Nature , 466, 739-743 (2010).	41.456
16	Florentin Reiter, Ulrich Graf, Martin Schultze, Wolfgang Schweinberger, Hartmut Schröder, Nicholas Karpowicz, Abdallah Mohammed Azzeer , Reinhard Kienberger, Ferenc Krausz, and Eleftherios Goulielmakis, "Generation of 2.8 fs pulses in the deep ultraviolet"	Opt. Lett. Vol. 35, No. 13, pp. 2248-2250 (2010).	3.292
15	M. Schultze, M. Fieß, N. Karpowicz, J. Gagnon, M. Korbman, M. Hofstetter, A. Cavalieri, Y. Komninos, Th. Mercouris, C. A. Nicolaides, R. Pazourek, S. Nagele, J. Feist, J. Burgdörfer, A. M. Azzeer , R. Ernstorfer, R. Kienberger, U. Kleineberg, E. Goulielmakis, F. Krausz and V. S. Yakovlev, " Delay in Photoemission "	Science , Vol. 328. no. 5986, pp. 1658 - 1662 (2010).	33.661

14	M. Abdel-Aty, Abdallah Azzeer and M. Sebawe Abdalla, "Anabiosis of phase distribution of a three-level atom."	Physica A 389, 3375-3381 (2010).	1.732
13	Ioachim Pupeza, Tino Eidam, Jens Rauschenberger, Birgitta Bernhardt, Akira Ozawa, Ernst Fill, Alexander Apolonski, Thomas Udem, Jens Limpert, Zeyad A. Alahmed, Abdallah M. Azzeer , Andreas Tünnermann, Theodor W. Hänsch, and Ferenc Krausz, "Power scaling of a high-repetition-rate enhancement cavity",	Opt. Lett. Vol. 35, No. 12, 2052 (2010).	3.292
12	E. M. Bothschafter, A. Schiffrin, V.S. Yakovlev, A.M. Azzeer , F. Krausz, R. Ernstorfer and R. Kienberger, "Collinear generation of ultrashort UV and XUV pulses",	Optics Express 18, 9173-9180 (2010).	3.488
11	A. Hashem, A. M. Azzeer , and A. Ayoub, "The Removal of Hg (II) Ions from Laboratory Wastewater onto Phosphorylated Haloxylonammmodendron: Kinetic and Equilibrium Studies"	Polymer-Plastics Technology and Engineering , 49, 1463–1472, (2010).	1.481
10	A.S. Al-Dwayyan, A.M. Al-Dukhayel, A.M. Azzeer and A.M. Kamal "Polarization Instability of Vertical Cavity Surface Emitting Lasers"	J. King Saud Univ. ,(2009/1430H) 21, Science (special issue), 93-101.	
9	Abdallah M. Azzeer and V. Masilamani "A New, Efficient Laser Source at 630 nm for Photodynamic Therapy (PDT) and Pulsed Hologram",	Jap. J. of Appl. Phys., Vol. 42 (2003) pp. 1-4.	2.185
8	A. M. Azzeer "Simultaneous Monitoring of Stimulated Raman Scattering, Stimulated Brillouin Scattering and Photoacoustic Signals in Liquids",	The Arabian J. for Sci. & Eng., (2001) Volume 26, Number 2A, 147-154.	0.39
7	Abdallah M. Azzeer "Efficient, Inexpensive Laser Source in the yellow for Portwine Treatment",	Jap. J. of Appl. Phys., (2001) 40, 4058-4059.	2.185
6	S. Al-dwayyan, M.S. Al-Salhi, A. M. Azzeer , M. A. Reda and M. A. Harith "The Low - Frequency Fluctuation in Semiconductor Lasers with External Cavity at Different Temperatures",	J. King Saud Univ.,(1420/2000) 12, Science (1), 31-39.	
5	M. Mashni, A. Al-dwayyan, A. Azzeer , M. Al-salhi, K. Al Homaidi & V. Masilamani "Measurement of Non Radiative Processes in Dye Solution By Laser Photoacoustic method",	J. Saudi Chem. Soc.,(2000) 4, 327-336.	1.288
4	A. M. Azzeer , A. S. Al-dwayyan, M.S. Al-Salhi, A. M. Kamal and M. A. Harith " Optical Probing of Laser Induced Shock Waves in Air"	Applied Physics B63, 307-310. (1996)	1.634

3	A. M. Azzeer , V. Masilamani, M.S. Salhi and A. Al-Dwayyan "Phase Conjugation by Stimulated Scattering from Organic Liquids"	The Arabian J. for Sci. & Eng., (1992) 17, Number 2B, 245-252.	0.367
2	Athar S. Naqvi, K. Naveedullah, A. M. Azzeer and M.S. Al-Salhi "Hybrid transitions in sodium dimers by laser absorption spectroscopy"	Optics Communications 87, 36-43 (1992)	1.542
1	AM Azzeer , LM Silber, IL Spain, CE Patton, HA Goldberg," Applicability of the microwave cavity perturbation method for conductivity measurements on carbon fibers"	J. Appl. Phys 57 (7), 2529-2531(1985)	2.185

List of books

Name	Publisher	Year
<i>Laser the light extraordinary</i>	Anuradha Agencies, Edu. Publishers, Vidaylkaruppur, Kumbakonam R.M.S., India.	1999
<i>ABC of Laser</i>	Anuradha Agencies, Edu. Publishers, Vidaylkaruppur, Kumbakonam R.M.S., India	1999