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Biyografi

Dr. Necati Kaya is a Professor in the Department of Material Science and Engineering at Canakkale Onsekiz Mart University, Canakkale, Turkiye. He received his Ph.D. degree in physics with an emphasis on atomic, molecular, and optical physics (AMO) from the Texas A&M University, College Station, TX, USA and the M.S. degree in physics with an emphasis in Atomic and molecular physics from Karadeniz Technical University, Turkey. His research interests lie in the broad areas of optics and photonics, nonlinear optics, lasers, optical materials and devices, optoelectronic materials and devices, atomic and molecular physics, atomic spectra and photon interactions, molecular properties and interactions with photon, optics.

Specifically, his research focuses on the following areas: (1) Photonics, Quantum Optics and Optical spectroscopy, Ultrafast optics, (2) Nonlinear Optics, Kerr Effects, Femtosecond laser filamentation, White-light generation, (3) Femto-Attosecond intense laser field optics, (4) Femtosecond Lasers Systems including oscillators, amplifiers, OPAs and diagnostic equipment such as CCD cameras, spectrometers, autocorrelators and FROG devices, (5) Laser, Fiber lasers, (6) Ion optics systems under ultra-high vacuum, Sensitive mass spectroscopy, Velocity map imaging spectroscopy, (7) Ultra-sensitive absorption spectroscopies (Mid-IR frequency comb, Ring down cavity, multi-pass, Wavelength modulation Spectroscopy etc.), (8) ATI-Above Threshold Ionization, MPI-Multiphoton Ionization, HHG-High harmonic generation, (9) Field free (nonadiabatic) molecular alignment, (9) CGH-Computer Generated Holography, (10) Femtosecond laser beam characterization, (11) Photofragmentation of molecules in intense laser fields

Dr. Kaya has published one book chapter and more than 30 papers in scientific journals such as Optics Express, Physical Review A, Applied Physics B: Lasers and Optics, Chemical Physics, AIP Advances, Review of Scientific Instruments, Journal of Physics B: Atomic, Molecular and Optical Physics, Optik, Optical Engineering, Lasers In Engineering, International Journal of Organic Chemistry, Nuclear Instruments and Methods in Physics Research B, Journal of Radioanalytical and Nuclear Chemistry, The European Physical Journal D, Radiation Physics and Chemistry, Acta Physica Polonica A, Journal of The Physical Society of Japan, Physica Scripta, International Journal of Thermophysics, International Journal of Laser Science: Fundamental Theory and Analytical Methods, International Journal of Organic Chemistry.

Dr Kaya has participated in more than 65 international congresses such as IHTEC-2022 (The Sixth International Hydrogen Technologies Congress, Canakkale, Turkey), TFD38 (Turkish Physical Society 38th International Physics Congress, Mugla, Turkey), IGCC2021 (International Global Climate Change, Canakkale Turkey), PCFM21 (Physical Chemistry and Functional Materials, Elazig, Turkey), IISRC2021 (3rd International Istanbul Scientific Research Congress, Istanbul, Turkey), TFD36 (Turkish Physical Society 36th International Physics Congress, Mugla, Turkey), TFD 35 (Turkish Physical Society 35th International Physics Congress, Mugla, Turkey), ISLC2020 (International Sustainable Living Conference), CLEO/Europe-EQEC 2017 (Conference on Lasers and Electro-Optics Europe & European Quantum

Electronics Conference, Munich, Germany), TURCMOS 2017 (The 3rd International Turkish Congress on Molecular Spectroscopy, Bodrum, Turkey), TFD33 (Turkish Physical Society 33rd International Physics Congress (2017), Bodrum, Turkey), TFD32 (Turkish Physical Society 32nd International Physics Congress (2016), Bodrum, Turkey), LPHYS 2016 (25th Annual International Laser Physics Workshop, 2016), ARC 2016 (The Qatar Foundation Annual Research Conference 2016, Doha, Qatar), The 5th annual Research-Industry Partnership Showcase, 2016, Doha, Qatar, ATTO 2015 (5th international conference on attosecond physics, Quebec, Canada), APS 2015 (American Physical Society, Spring 2015 Joint Meeting of the Texas Section of the AAPT, Texas Section of the APS and Zone 13 of the Society of Physics Students, Baytown Station, TX, USA), APS 2014 (American Physical Society, Fall 2014 Joint Meeting of the Texas Section of the AAPT, Texas Section of the APS and Zone 13 of the Society of Physics Students, College Station, TX, USA), ICAP 2014 (24th International Conference on Atomic Physics, Washington D.C., USA), ICAP 2012 (The 23rd International Conference on Atomic Physics. Palaiseau, France), TFD (Turkish Physical Society 24th International Physics Conference, Malatya, Turkey), BPU6 (6th International Conference of The Balkan Physical Union, Istanbul, Turkey), and others.

He also serves as a reviewer and reviews many manuscripts for more than 20 journals. Dr. Kaya has also reviewed proposals for many funding agencies such as TUBİTAK, BAP, Technoparks etc. He also served on proposal review panels for the TUBİTAK. Dr. Kaya's research has been sponsored by the Scientific and Technological Research Council of Turkiye (TUBITAK), Robert Welch Foundation, National Science Foundation (NSF), USA and Qatar National Research Fund (QNRF). He is a member of Optical Society of America (OSA), American Physical Society (APS) and National Hydrogen Association.

Eğitim Bilgileri

I. Post Doktora, Texas A&M University, Science Program And Petroleum Engineering Program, Physics, Petroleum Engineering, Amerika Birleşik Devletleri 2015 - 2017
II. Doktora, Texas A&M University, College Of Science, Department Of Physics&Astronomy, Amerika Birleşik Devletleri 2010 - 2014
III. Yüksek Lisans, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Fizik, Türkiye 2003 - 2006
IV. Lisans, Karadeniz Teknik Üniversitesi, Fen Edebiyat Fakultesi, Fizik, Türkiye 1998 - 2002

Yabancı Diller

I. İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

I. İş Sağlığı ve Güvenliği, Velosi gas safety, Texas A&M University, 2011
II. Eğitim Yönetimi ve Planlama, Energy workshop/field trip, Texas A&M University & State Energy Conservation Office, 2010
III. Eğitim Yönetimi ve Planlama, Laser Safety Training, Texas A&M University, 2010
IV. Yabancı Dil, IECP-Intensive English Communication Program, Penn State University, 2009

Yaptığı Tezler

I. Doktora, FILAMENTATION AND WHITE LIGHT GENERATION WITH SPATIALLY AND TEMPORALLY CONTROLLED FEMTOSECOND RADIATION, Texas A&M University, Science, Physics&Astronomy, 2014
II. Yüksek Lisans, 69=Z=76 ATOM NUMARALI ELEMENTLERİN K TABAKASI SOĞURMA-SIÇRAMA FAKTÖRLERİNİN TAYİNİ, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Fizik, 2006

Araştırma Alanları

Optik ve Fotonik, Yenilenebilir Enerji, Lazerler ve Mazerler, Optik Malzeme ve Aygıtlar, Optoelektronik Malzeme ve Aygıtlar, Atom ve Molekül Fiziği, Atomik Özellikler ve Fotonla Etkileşmeler, Moleküler Özellikler ve Fotonla Etkileşmeler, Optik

Akademik Unvanlar / Görevler

I. Prof.Dr., Çanakkale Onsekiz Mart Üniversitesi, Mühendislik Fakültesi, Malzeme Bilimi Ve Mühendisliği, 2023 - Devam Ediyor
II. Doç.Dr., Çanakkale Onsekiz Mart Üniversitesi, Çanakkale Uygulamalı Bilimler Fakültesi, Enerji Yönetimi, 2018 - 2023
III. Yrd.Doç.Dr., Giresun Üniversitesi, Fen Edebiyat Fakultesi, Fizik, 2016 - 2017
IV. Yrd.Doç.Dr., Texas A&M University, College Of Science, Department Of Physics&Astronomy, 2015 - 2017
V. Araştırma Görevlisi, Texas A&M University, College Of Science, Physics&Astronomy, 2010 - 2014
VI. Araştırma Görevlisi, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enst., Fizik, 2005 - 2008

Akademik İdari Deneyim

I. Bölüm Başkan Yardımcısı, Çanakkale Onsekiz Mart Üniversitesi, Mühendislik Fakültesi, Malzeme Bilimi ve Mühendisliği, 2021 - Devam Ediyor
II. Anabilim/Bilim Dalı Başkanı, Çanakkale Onsekiz Mart Üniversitesi, Lisansüstü Eğitim Enstitüsü, 2020 - Devam Ediyor
III. Merkez Müdürü, Çanakkale Onsekiz Mart Üniversitesi, Rektörlüğe Bağlı Bölümler, 2020 - Devam Ediyor
IV. Bölüm Başkanı, Çanakkale Onsekiz Mart Üniversitesi, Çanakkale Uygulamalı Bilimler Fakültesi, 2018 - 2020
V. Anabilim/Bilim Dalı Başkanı, Çanakkale Onsekiz Mart Üniversitesi, Çanakkale Uygulamalı Bilimler Fakültesi, 2018 - 2020

Verdiği Dersler

I. İleri Optoelektronik ve Fotonik Teknolojileri, Doktora, 2021 - 2022
II. Nanoteknoloji, Lisans, 2021 - 2022
III. Güneş Enerjisi: Fotovoltaik Enerji Dönüşümü, Teknolojiler ve Sistemler, Doktora, 2020 - 2021
IV. Optoelektronik ve Fotonik: İlkeler ve Uygulamalar, Yüksek Lisans, 2019 - 2020
V. Güneş Enerjisi Temelleri, Yüksek Lisans, 2019 - 2020
VI. Enerji Kaynaklari Fizigi, Yüksek Lisans, 2018 - 2019
VII. Lazer Spektroskopi, Doktora, 2018 - 2019
VIII. Enerjiye Giriş, Yüksek Lisans, 2018 - 2019
IX. Doğrusal Olmayan Optik, Doktora, 2018 - 2019
X. İleri Optik ve Fotonik, Doktora, 2018 - 2019
XI. Fizik, Lisans, 2018 - 2019

Yönetilen Tezler

I. Kaya N., Monokristal ve Polikristal Fotovoltaik Güneş Panellerinin Dalga Boyuna Bağlı Performans Analizleri, Yüksek Lisans, S.GÖKÇEN(Öğrenci), 2021
II. Kaya N., Atmosferik düzeyde metan ölçümleri için ultra-hassas optik sensör tasarımı, Yüksek Lisans,

A.KESKİN(Öğrenci), 2021

Jüri Üyelikleri

I. Doktora Yeterlik Sınavı, Doktora yeterlilik sinavi, Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı,, Haziran, 2018
II. Doktora Yeterlik Sınavı, Doktora yeterlilik sinavi, Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Eylül, 2017
III. Tez Savunma (Yüksek Lisans), Yuksek Lisans Tez Savunma sinav Juri uyeligi, Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Ağustos, 2017
IV. Akademik Kadroya Atama-Yardımcı Doçentlik, Elektronik ve Otomasyon Bölümü, Deniz Teknolojileri MYO, ogretim elemani atama sinavi, Çanakkale Onsekiz Mart Üniversitesi, Deniz Teknolojileri MYO, Temmuz, 2017
V. Tez Savunma (Doktora), Doktora Tez Savunma Jurisi, Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Haziran, 2017
VI. Tez Savunma (Doktora), Doktora Tez Savunma Jurisi, Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Haziran, 2017
VII. Tez Savunma (Doktora), Doktora tez savunma jurisi, Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Haziran, 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Preface to the special issue on 'The Sixth International Hydrogen Technologies Congress (IHTEC-2022)'**
KOYUNCU S., KAYA N.
International Journal of Hydrogen Energy, cilt.48, sa.60, ss.22719, 2023 (SCI-Expanded)
II. **Controlling Femtosecond Laser Filaments via Quasi-Hermite Gaussian Beam Modes**
Kaya N., Kaya G., Kolomenskii A., Schuessler H.
ACTA PHYSICA POLONICA A, cilt.141, sa.1, ss.1-7, 2022 (SCI-Expanded)
III. **Design of a New Ultra-sensitive Methane Sensor Based On Optical Approaches that Utilize Laser Diodes**
Keskin A., Kaya N., Kaya G.
Lasers In Engineering, cilt.51, sa.1-5, ss.205-215, 2021 (SCI-Expanded)
IV. **Diffractive multifocal lenses by computer-generated holograms**
Kaya N., Kaya G., Strohaber J., Zhou J., Kolomenski A., Schuessler H. A.
OPTICAL ENGINEERING, cilt.60, sa.5, 2021 (SCI-Expanded)
V. **Energy and angular distributions of electrons from sodium atoms photo-ionized with femtosecond laser pulses**
BORAN Y., Hart N., KAYA N., Zhou J., kolomenski A., Schuessler H. A.
Journal of Physics B: Atomic, Molecular and Optical Physics, 2021 (SCI-Expanded)
VI. **In-situ measurement of aligning intensity and rotational temperature in field-free molecular alignment via white light generation**
Kaya N., Kaya G., Boran Y., Kolomenski A., Schuessler H. A.
Optik, cilt.242, sa.167360, ss.1-8, 2021 (SCI-Expanded)
VII. **Sensitive Spectroscopic Analysis of Biomarkers in Exhaled Breath**
Bicer A., Bounds J., Zhu F., Kolomenskii A. A., KAYA N., Aluauee E., Amani M., Schuessler H. A.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, cilt.39, sa.6, 2018 (SCI-Expanded)
VIII. **Dissociative ionization of acetonitrile in intense femtosecond laser fields**
Boran Y., Kolomenskii A. A., Sayrac M., Kaya N., Schuessler H. A., Strohaber J.

JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, cilt.50, sa.13, 2017 (SCI-Expanded)

IX. **Time slicing in 3D momentum imaging of the hydrogen molecular ion photo-fragmentation**
KAYA N., Kaya G., Pham F. V., Strohaber J., Kolomenskii A. A., Schuessler H. A.
REVIEW OF SCIENTIFIC INSTRUMENTS, cilt.88, sa.2, 2017 (SCI-Expanded)

X. **Nonadiabatic molecular alignment of linear molecules probed by strong-field ionization yields of photoelectrons**
Kaya G., Kaya N., Strohaber J., Hart N. A., Kolomenskii A. A., Schuessler H. A.
APPLIED PHYSICS B-LASERS AND OPTICS, cilt.122, sa.12, 2016 (SCI-Expanded)

XI. **Effect of circularly polarized femtosecond laser pulses on alignment dynamics of linear molecules observed by strong-field photoelectron yields**
KAYA N., Kaya G., STROHABER J., Kolomenskii A. A., Schuessler H. A.
EUROPEAN PHYSICAL JOURNAL D, cilt.70, sa.10, 2016 (SCI-Expanded)

XII. **Extension of filament propagation in water with Bessel-Gaussian beams**
Kaya G., KAYA N., Sayrac M., Boran Y., Strohaber J., Kolomenskii A. A., Amani M., Schuessler H. A.
AIP ADVANCES, cilt.6, sa.3, 2016 (SCI-Expanded)

XIII. **Probing nonadiabatic molecular alignment by spectral modulation**
Kaya N., Kaya G., Sayrac M., Horan Y., Anumula S., Strohaber J., Kolomenskii A. A., Schuessler H. A.
OPTICS EXPRESS, cilt.24, sa.3, ss.2562-2576, 2016 (SCI-Expanded)

XIV. **White-light generation control with crossing beams of femtosecond laser pulses**
Kolomenskii A. A., STROHABER J., KAYA N., Kaya G., Sokolov A. V., Schuessler H. A.
OPTICS EXPRESS, cilt.24, sa.1, ss.282-293, 2016 (SCI-Expanded)

XV. **Pressure optimization of high harmonic generation in a differentially pumped Ar or H-2 gas jet**
Sayrac M., Kolomenskii A. A., Anumula S., Boran Y., Hart N. A., KAYA N., Strohaber J., Schuessler H. A.
REVIEW OF SCIENTIFIC INSTRUMENTS, cilt.86, sa.4, 2015 (SCI-Expanded)

XVI. **Intensity-resolved above-threshold ionization of xenon with short laser pulses**
Hart N. A., Strohaber J., Kaya G., Kaya N., Kolomenskii A. A., Schuessler H. A.
PHYSICAL REVIEW A, cilt.89, sa.5, 2014 (SCI-Expanded)

XVII. **White-light generation using spatially-structured beams of femtosecond radiation**
Kaya N., Strohaber J., Kolomenskii A. A., Kaya G., Schroeder H., Schuessler H. A.
OPTICS EXPRESS, cilt.20, sa.12, ss.13337-13346, 2012 (SCI-Expanded)

XVIII. **In situ tomography of femtosecond optical beams with a holographic knife-edge**
Strohaber J., Kaya G., Kaya N., Hart N., Kolomenskii A. A., Paulus G. G., Schuessler H. A.
OPTICS EXPRESS, cilt.19, sa.15, ss.14321-14334, 2011 (SCI-Expanded)

XIX. **Measurement of K-shell jump ratios and jump factors for some elements in 76 <= Z <= 92 using EDXRF spectrometer**
KAYA N., APAYDIN G., TIRAŞOĞLU E.
RADIATION PHYSICS AND CHEMISTRY, cilt.80, sa.6, ss.677-681, 2011 (SCI-Expanded)

XX. **An L-III (2P(3/2)) subshell absorption jump ratio and jump factor for bismuth**
KAYA N., Kobya A. I., TIRAŞOĞLU E., APAYDIN G.
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, cilt.41, sa.22, 2008 (SCI-Expanded)

XXI. **Chemical effects on K and L shell production cross sections and transfer probabilities in Nb compounds**
Cengiz E., Aylikci V., KAYA N., APAYDIN G., TIRAŞOĞLU E.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, cilt.278, sa.1, ss.89-96, 2008 (SCI-Expanded)

XXII. **Investigation of Coster-Kronig transition probabilities (L-1 -> L-2, L-1 -> L-3, and L-2 -> L-3) for Hf and Hf compounds**
Cengiz E., APAYDIN G., Aylikci V., KAYA N., TIRAŞOĞLU E.
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, cilt.77, sa.5, 2008 (SCI-Expanded)

XXIII. **Determination of K shell absorption jump factors and jump ratios in the elements between Tm(Z=69) and Os(Z=76) by measuring K shell fluorescence parameters**
KAYA N., TIRAŞOĞLU E., APAYDIN G.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, cilt.266, sa.7, ss.1043-1048, 2008 (SCI-Expanded)

XXIV. **K shell, L shell-subshell and M shell-subshell photoeffect cross-sections in elements between Tb (Z=65) and U (Z=92) at 123.6 keV**
KAYA N., APAYDIN G., Aylikcl V., Cengiz E., TIRAŞOĞLU E.
RADIATION PHYSICS AND CHEMISTRY, cilt.77, sa.2, ss.101-106, 2008 (SCI-Expanded)

XXV. **K-shell absorption jump factors and jump ratios in elements between Tm (Z=69) and Os (Z=76) derived from new mass attenuation coefficient measurements**
KAYA N., TIRAŞOĞLU E., Apaydin G., AYLIKCI V., CENGİZ E.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, cilt.262, sa.1, ss.16-23, 2007 (SCI-Expanded)

XXVI. **Chemical effect on the K and L shell intensity ratios of Hf compounds**
AYLIKCI V., TIRAŞOĞLU E., APAYDIN G., Kaya N., CENGİZ E.
PHYSICA SCRIPTA, cilt.76, sa.1, ss.31-36, 2007 (SCI-Expanded)

XXVII. **Chemical effect on the L X-ray cross-sections and average fluorescence yields of Hf compounds**
AYLIKCI V., APAYDIN G., TIRAŞOĞLU E., KAYA N., CENGİZ E.
CHEMICAL PHYSICS, cilt.332, ss.348-352, 2007 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Color filter effects on the performance of monocrystalline and polycrystalline photovoltaic solar panels**
Gökçen S., Kaya N.
International Journal of Energy Applications and Technologies , cilt.10, sa.1, ss.14-20, 2023 (Hakemli Dergi)

II. **Direct Mass Spectroscopy Analysis and Comparison of Middle Eastern and Texas Crude Oils**
Kaya G., Kaya N., Amanı M., Rahman A., Kolomenskı A., Schuessler H.
International Journal of Organic Chemistry, cilt.7, sa.4, ss.312-318, 2017 (Hakemli Dergi)

III. **Field-free molecular alignment control of filamentation**
KAYA N.
TURKISH JOURNAL OF PHYSICS, cilt.41, sa.3, ss.196-202, 2017 (ESCI)

Kitap & Kitap Bölümleri

I. **Nonadiabatic Molecular Alignment of Linear Molecules Probed by Strong-Field Ionization Yields of Photoelectrons**
KAYA N., KAYA G., Strohaber J., Hart N., Kolomenski A., Schuessler H.
Exploring the World with the Laser, Dieter Meschede, Thomas Udem, Tilman Esslinge, Editör, Springer, Cham, ss.577-595, 2018

II. **Nonadiabatic Molecular Alignment of Linear Molecules Probed by Strong-Field Ionization Yields of Photoelectrons**
KAYA G., KAYA N., Strohaber J., Hart N., Kolomenskii A., Schuessler H.
Exploring the World with the Laser, Dieter Meschede, Thomas Udem, Tilman Esslinger, Editör, Springer, Cham, ss.577-595, 2018

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Long-distance Wireless Energy Transmission by Holographically Generated Laser Beams Modes**

Kaya N., Sönmez F.
TURKISH PHYSICAL SOCIETY 38 TH INTERNATIONAL PHYSICS CONGRESS, AUGUST 31 -SEPTEMBER 4, 2022, BODRUM / TURKEY, Muğla, Türkiye, 31 Ağustos - 04 Eylül 2022, ss.174

II. **EFFECT OF COLOR FILTERS ON THE PERFORMANCE OF MONOCRYSTALLINE AND POLYCRYSTALLINE PHOTOVOLTAIC SOLAR PANELS**
Kaya G., Gökçen S., Kaya N.
TURKISH PHYSICAL SOCIETY 37TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Türkiye, 1 - 05 Eylül 2021, ss.127

III. **Creating airy beams as directed and concentrated energy**
KAYA G., AVCI S., KAYA N., KURT A., KURT M.
INTERNATIONAL GLOBAL CLIMATE CHANGE CONGRESS, Çanakkale, Türkiye, 3 - 05 Haziran 2021

IV. **Creating Airy beams as directed and concentrated energy**
KAYA G., AVCI S., KAYA N., KURT A., KURT M.
INTERNATIONAL GLOBAL CLIMATE CHANGE CONGRESS, Çanakkale, Türkiye, 03 Haziran 2021

V. **Study of wireless energy transmission by different laser modes**
Kaya N., Kaya G.
INTERNATIONAL GLOBAL CLIMATE CHANGE CONGRESS, Çanakkale, Türkiye, 03 Haziran 2021

VI. **Generation of Programmable Diffractive Multi-Focal Lenses**
KAYA N., KAYA G.
4th International Conference on Physical Chemistry and Functional Materials (PCFM'21), Elazığ, Türkiye, 08 Nisan 2021

VII. **Comparison of Effect of Monocrystalline and Polycrystalline Solar Panels on Energy Outputs using Linear Regression Analysis**
Gökçen S., KAYA N.
3rd International Istanbul Scientific Research Congress, İstanbul, Türkiye, 08 Ocak 2021

VIII. **The Future and Employment of Renewable Energy**
Gökçen S., KAYA N.
International Sustainability Living Conference on Rating Academy, Çanakkale, Türkiye, 24 Aralık 2020

IX. **Efficiency analysis of photovoltaic solar panels with monocrystalline and polycrystalline**
Gökçen S., KAYA N.
36th International Physics Congress on Turkish Physical Society (TFD), Muğla, Türkiye, 01 Eylül 2020

X. **Femtosecond laser-induced filamentation control in liquids.**
KESKİN A., KAYA G., KAYA N.
TFD35:Turkish Physical Society 35. International Physics Congress, Bodrum, Türkiye, 4 - 08 Eylül 2019

XI. **Generation of programmable diffractive lenses with multiple or multi-optical axes, multi-focus, dynamic distance control of focal lengths and energy intensities at foci.**
ÇELİK G., KAYA G., KURT M., KAYA N.
TFD35:Turkish Physical Society 35. International Physics Congress, Bodrum, Türkiye, 4 - 08 Eylül 2019

XII. **Design of an ultra-sensitive optical sensor for atmospheric level methane measurement.**
KESKİN A., KAYA G., KAYA N.
TFD35:Turkish Physical Society 35. International Physics Congress, Bodrum, Türkiye, 4 - 08 Eylül 2019

XIII. **Femtosecond Laser-Induced Filamentation Control inLiquids**
Keskin A., KAYA G., KAYA N.
TURKISH PHYSICALSOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS35), 4 - 08 Eylül 2019, cilt.1, ss.50-53

XIV. **Design of an Ultra-Sensitive Optical Sensor for AtmosphericLevel Methane Measurement**
KESKİN A., KAYA G., KAYA N.
TURKISH PHYSICALSOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS35), 4 - 08 Eylül 2019, cilt.1, ss.54-58

XV. **Generation of Programmable Diffractive Lenses withMultiple or Multi-Optical Axes, Multi–Focus, DynamicDistance Control of Focal Lengths and Energy Intensities atFoci**
Çelik G., KAYA G., KURT M., KAYA N.
TURKISH PHYSICALSOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS35), 4 - 08 Eylül 2019, cilt.1, ss.27-30

XVI. **Laser induced molecular alignment of CO2 measured with ATI yields**

KURT M., KAYA G., KURT A., KAYA N.
TFD35:Turkish Physical Society 35.International Physics Congress, Bodrum, Türkiye, 4 - 08 Eylül 2019

XVII. **Pressure optimization of High harmonic generation in an argon gas jet**
Sayrac M., Kolomenski A., Strohaber J., Boran Y., Kaya G., KAYA N., Schuessler H.
Cook's Branch Conservancy SIBOR – Workshop 2018, Montgomery, Texas, Amerika Birleşik Devletleri, 09 Kasım 2018, ss.1

XVIII. **STUDY OF THREE-DIMENSIONAL MOMENTUM IMAGING DURING H2 PHOTO-FRAGMENTATION**
KAYA N., KAYA G., ALEXANDRE A. K., KURT M., SCHUESSLER H.
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, Bodrum, Türkiye, 6 - 10 Eylül 2017

XIX. **Analysis of the components of the crude oil samples with no sample pretreatment**
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Burslar

I. Researcher at TAMUQ, Üniversite, 2014 - 2014
II. Doktors Bursu, Milli Eğitim Bakanlığı, 2008 - 2014

Antrenörlük Görevleri

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Akademi Dışı Deneyim

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