Prof. ISMAIL RAFATOV

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International Researcher IDs

ScholarID: hsKX7WgAAAAJ ORCID: 0000-0002-8303-9204

Publons / Web Of Science ResearcherID: B-9380-2011

ScopusID: 56304125800 Yoksis Researcher ID: 163457

Education Information

Doctorate, Kırgızistan-Rusya Slav Üniversitesi, Fizik, Kyrgyzstan 1995 - 1999 Undergraduate, Yusuf Balasagin Kirgiz Milli Üniversitesi, Uygulamalı Matematik, Kyrgyzstan 1990 - 1995

Foreign Languages

English, B2 Upper Intermediate Russian, C1 Advanced

Dissertations

Doctorate, Mathematical modelling of interaction of electromagnetic fields with plasma in a spheri-cal microwave discharge, Kırgızistan-Rusya Slav Üniversitesi, Fizik, 1999

Research Areas

Basic Sciences, Physics, Gases, Plasmas and Electrical Discharges Physics, Physics of Plasmas

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2018 - Continues Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2010 - 2018 Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2005 - 2009 Assistant Professor, Canakkale Onsekiz Mart University, Fen Ve Edebiyat Fakültesi, Matematik Bölümü, 2001 - 2002

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Lourses

METHODS OF MATHEMATICAL PHYSICS I, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

MATHEMATICAL METHODS IN PHYSICS I, Undergraduate, 2021 - 2022, 2020 - 2021, 2018 - 2019

Mathematical Methods in Physics I, Undergraduate, 2021 - 2022, 2020 - 2021

COMPUTATIONAL METHODS IN PLASMA PHYSICS, Postgraduate, 2020 - 2021, 2017 - 2018

Introduction to Plasma Physics, Undergraduate, 2020 - 2021

MATHEMATICAL METHODS IN PHYSICS II, Undergraduate, 2019 - 2020

BASIC LINEAR ALGEBRA, Undergraduate, 2018 - 2019, 2016 - 2017

MATHEMATICAL METHODS IN PHYSICS II, Undergraduate, 2017 - 2018

BASIC LINEAR ALGEBRA, Undergraduate, 2018 - 2019

Advising Theses

RAFATOV İ., Numerical investigation of Dbd in neon: Effect of fluid modelling approaches, Postgraduate, M.HİLMİ(Student), 2021

RAFATOV İ., Investigation of nonlinear oscillations in the gas discharge-semiconductor system: Effect of different fluid modelling approaches, Postgraduate, C.YEŞİL(Student), 2018

RAFATOV İ., Numerical analysis of plasma properties in the glow discharge: Accuracy and applicability of simple and extended fluid models, Postgraduate, K.KAYMAZLAR(Student), 2017

RAFATOV İ., Derivation of the parallel PIC/MCC numerical code and its application to the kinetic analysis of photoresonance plasma and the problem of identification of impurities within the PLES method, Doctorate, C.KUŞOĞLU(Student), 2017

KARASÖZEN B., RAFATOV İ., Numerical modelling of spatio-temporal patterns in a DC-driven gas discharge-semiconductor system, Postgraduate, G.ÖZDEN(Student), 2015

ALEMDAROĞLU H. N., RAFATOV İ., One dimensional numerical analysis of plasma properties in the discharge channel of a Hall effect thruster, Postgraduate, Ç.YÜNCÜLER(Student), 2014

RAFATOV İ., Simulation of glow discharge plasmas by using parallel particle in cell/Monte Carlo collision method: The effects of number of super particles used in the simulations, Postgraduate, E.ERDEN(Student), 2013

RAFATOV İ., Numerical investigation of self-organization and stable burning conditions of moderate pressure glow discharges in argon gas, Postgraduate, E.EYLENCEOĞLU(Student), 2011

RAFATOV İ., Numerical investigation of a DC glow discharge in an argon gas: Two-component plasma model, Postgraduate, E.KEMANECİ(Student), 2009

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Middle East Technical University, October, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

I. Effect of the cathode surface temperature on the cathode fall layer parameters: experiment and simulation

Simonchik L., Tomkavich M., Islamov G., Eylenceoglu E., RAFATOV İ.

Plasma Sources Science and Technology, vol.33, no.2, 2024 (SCI-Expanded)

II. Analysis of different modeling approaches for simulation of glow discharge in helium at atmospheric pressure

Rafatov I., Islamov G., Eylenceoglu E., Yesil C., Bogdanov E.

PHYSICS OF PLASMAS, vol.30, no.9, pp.1-10, 2023 (SCI-Expanded)

III. Self-consistent treatment of gas heating in modeling of a coaxial DBD in atmospheric pressure CO2 Zhou C., Yuan C., Kudryavtsev A., Yasar Katircioglu T., RAFATOV İ., Yao J.

PLASMA SOURCES SCIENCE & TECHNOLOGY, vol.32, no.1, 2023 (SCI-Expanded)

IV. Parametric study of coaxial dielectric barrier discharge in atmospheric pressure argon

Li H., Yuan C., Kudryavtsev A., Katircioglu T. Y., RAFATOV İ.

PHYSICS OF PLASMAS, vol.28, no.11, 2021 (SCI-Expanded)

V. Analysis of parameters of coaxial dielectric barrier discharges in argon flow at atmospheric pressure

Li H., Yuan C., Kudryavtsev A., Astafiev A., Bogdanov E., Katircioglu T. Y., RAFATOV İ.

JOURNAL OF APPLIED PHYSICS, vol.129, no.15, 2021 (SCI-Expanded)

VI. Transition from periodic to chaotic oscillations in a planar gas discharge-semiconductor system Yuan C., YEŞİL C., Yao J., Zhou Z., RAFATOV İ.

PLASMA SOURCES SCIENCE & TECHNOLOGY, vol.29, no.6, 2020 (SCI-Expanded)

VII. Numerical evidence of spontaneous division of dissipative solitons in a planar gas dischargesemiconductor system

RAFATOV İ.

PHYSICS OF PLASMAS, vol.26, no.9, 2019 (SCI-Expanded)

VIII. Transition from homogeneous stationary to oscillating state in planar gas discharge-semiconductor system in nitrogen: Effect of fluid modelling approach

RAFATOV İ., YEŞİL C.

PHYSICS OF PLASMAS, vol.25, no.8, 2018 (SCI-Expanded)

IX. PIC/MCC analysis of a photoresonance plasma sustained in a sodium vapor

SARIKAYA C. K., RAFATOV İ., KUDRYAVTSEV A. A.

PHYSICS OF PLASMAS, vol.24, no.8, 2017 (SCI-Expanded)

X. An evidence of period doubling bifurcation in a dc driven semiconductor-gas discharge plasma MANSUROGLU D., UZUN-KAYMAK I. U., RAFATOV İ.

PHYSICS OF PLASMAS, vol.24, no.5, 2017 (SCI-Expanded)

XI. Spectroscopic study and numerical simulation of low-pressure radio-frequency capacitive discharge with argon downstream

Tanisli M., RAFATOV İ., Sahin N., Mertadam S., Demir S.

CANADIAN JOURNAL OF PHYSICS, vol.95, no.2, pp.190-200, 2017 (SCI-Expanded)

XII. Three-dimensional numerical modelling of temporal and spatial pattern formation in a dc-driven gas discharge-semiconductor system

RAFATOV İ.

PLASMA SOURCES SCIENCE & TECHNOLOGY, vol.25, no.6, 2016 (SCI-Expanded)

XIII. Multiple stationary filamentary states in a planar dc-driven gas discharge-semiconductor system RAFATOV İ.

PHYSICS OF PLASMAS, vol.23, no.12, 2016 (SCI-Expanded)

XIV. Particle in cell/Monte Carlo collision analysis of the problem of identification of impurities in the gas by the plasma electron spectroscopy method

SARIKAYA C. K., RAFATOV İ., KUDRYAVTSEV A. A.

PHYSICS OF PLASMAS, vol.23, no.6, 2016 (SCI-Expanded)

XV. Two-dimensional hybrid Monte Carlo-fluid modelling of dc glow discharges: Comparison with fluid models, reliability, and accuracy

EYLENCEOGLU E., RAFATOV İ., KUDRYAVTSEV A. A.

PHYSICS OF PLASMAS, vol.22, no.1, 2015 (SCI-Expanded)

XVI. Extension of spatiotemporal chaos in glow discharge-semiconductor systems

AKHMET M., RAFATOV İ., FEN M. O.

CHAOS, vol.24, no.4, 2014 (SCI-Expanded)

XVII. Particle in Cell/Monte Carlo Collision Method for Simulation of RF Glow Discharges: Effect of Super Particle Weighting

ERDEN E., RAFATOV İ.

CONTRIBUTIONS TO PLASMA PHYSICS, vol.54, no.7, pp.626-634, 2014 (SCI-Expanded)

XVIII. Account of nonlocal ionization by fast electrons in the fluid models of a direct current glow discharge

RAFATOV İ., BOGDANOV E. A., KUDRYAVTSEV A. A.

PHYSICS OF PLASMAS, vol.19, no.9, 2012 (SCI-Expanded)

XIX. On the accuracy and reliability of different fluid models of the direct current glow discharge RAFATOV İ., BOGDANOV E. A., KUDRYAVTSEV A. A.

PHYSICS OF PLASMAS, vol.19, no.3, 2012 (SCI-Expanded)

XX. Effect of focusing geometry on the continuous optical discharge properties

Rafatov I.

PHYSICS LETTERS A, vol.373, no.37, pp.3336-3341, 2009 (SCI-Expanded)

XXI. Radiative gas-dynamic model of a continuous optical discharge in a gravitational field: quasi-optical approximation

Rafatov I.

JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.42, no.15, 2009 (SCI-Expanded)

XXII. Modelling of a continuous optical discharge stabilized by a gas flow in quasi-optical approximation RAFATOV İ., YEDİERLER B., KULUMBAEV E. B.

JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.42, no.5, 2009 (SCI-Expanded)

XXIII. Spatiotemporal patterns in a dc semiconductor-gas-discharge system: Stability analysis and full numerical solutions

Rafatov I. R., SIJACIC D. D., EBERT U.

PHYSICAL REVIEW E, vol.76, no.3, 2007 (SCI-Expanded)

XXIV. Modelling of non-uniform DC driven glow discharge in argon gas

Rafatov I. R., AKBAR D., BILIKMEN S.

PHYSICS LETTERS A, vol.367, pp.114-119, 2007 (SCI-Expanded)

XXV. On modelling of microwave heating of a ceramic material

KOZLOV P. V., Rafatov I. R., KULUMBAEV E. B., LELEVKIN V. M.

JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.40, no.9, pp.2927-2935, 2007 (SCI-Expanded)

XXVI. On the modelling of a nonequilibrium spherical microwave discharge at atmospheric pressure Rafatov I. R.

CONTRIBUTIONS TO PLASMA PHYSICS, vol.47, no.3, pp.139-146, 2007 (SCI-Expanded)

XXVII. Self-consistent model of thermal and ionization non-equilibrium spherical microwave discharge Rafatov I., LELEVKIN V.

JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.38, no.13, pp.2227-2236, 2005 (SCI-Expanded)

XXVIII. Oscillations in dc driven barrier discharges: Numerical solutions, stability analysis, and phase diagram

SIJACIC D., EBERT U., Rafatov I.

PHYSICAL REVIEW E, vol.71, no.6, 2005 (SCI-Expanded)

XXIX. Modelling of a nonequilibrium spherical electric discharge under higher modes of incident microwaves

Rafatov I., CAKIR S.

PHYSICS LETTERS A, vol.338, pp.353-365, 2005 (SCI-Expanded)

XXX. Modelling of a spherical electric discharge at atmospheric pressure under higher modes of incident microwaves

Rafatov I., KOZLOV P., LELEVKIN V.

CONTRIBUTIONS TO PLASMA PHYSICS, vol.45, no.2, pp.139-154, 2005 (SCI-Expanded)

XXXI. Period doubling cascade in glow discharges: Local versus global differential conductivity SIJACIC D., EBERT U., Rafatov I.

PHYSICAL REVIEW E, vol.70, no.5, 2004 (SCI-Expanded)

XXXII. Self-consistent model of non-equilibrium spherical microwave discharge

Rafatov I., LELEVKIN V.

JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.37, no.20, pp.2876-2885, 2004 (SCI-Expanded)

Articles Published in Other Journals

I. Development and benchmark of a 1d3v electrostatic PIC/MCC numerical code for gas discharge simulations

Arda I., Rafatov I.

TURKISH JOURNAL OF PHYSICS, vol.47, pp.198-213, 2023 (ESCI)

II. One-dimensional fluid and hybrid numerical analysis of the plasma properties in the discharge channel of a Hall thruster

YUNCULER C., RAFATOV İ., Ulusen D.

TURKISH JOURNAL OF PHYSICS, vol.42, no.6, pp.649-658, 2018 (ESCI)

III. VALIDATION OF THE PARTICLE IN CELL MONTE CARLO COLLISION NUMERICAL CODE FOR THE RF DISCHARGE SIMULATION

KUŞOĞLU SARIKAYA C., RAFATOV İ., ÇAKIR S.

Balkan Physics Letters, vol.24, pp.36-47, 2016 (Peer-Reviewed Journal)

 $IV. \quad Difference \ schemes \ for \ the \ class \ of \ singularly \ perturbed \ boundary \ value \ problems$

Sklyar S. N., RAFATOV İ.

Applied Numerical Analysis & Computational Mathematics, vol.1, no.1, pp.223-230, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

I. Sayısal Yöntemler

RAFATOV I.

in: Maddenin 4. Hali: Plazma: Temelleri Ve Uygulamaları, Serhat Çakır, Editor, Arkadaş Yayınevi, Ankara, pp.143-224. 2023

II. Introduction to Simulation Methods for Gas Discharge Plasmas

Rafatov İ., Kudryavtsev A.

Institute of Physics Publishing (IOP), Bristol, 2020

Refereed Congress / Symposium Publications in Proceedings

I. EFFECT OF THE CATHODE SURFACE TEMPERATURE ON THE CATHODE FALL LAYER PARAMETERS EYLENCEOĞLU E., Islamov G., RAFATOV İ.

TURKISH PHYSICAL SOCIETY 39TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 31 August - 04 September 2023, vol.1, pp.78

II. EFFECT OF DIFFERENT MODELLING APPROACHES FOR SIMULATION OF ATMOSPHERIC PRESSURE GLOW DISCHARGES IN HELIUM

EYLENCEOĞLU E., RAFATOV İ., Islamov G., YEŞİL C.

TURKISH PHYSICAL SOCIETY 39TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 31 August 2023, vol.1, pp.79

III. Computational study of decomposition of carbon dioxide in a coaxial dielectric barrier discharge at atmospheric pressure

RAFATOV İ.

Plazma fizik, Nanchang, China, 28 - 29 October 2022

IV. Parametric study of coaxial dielectric barrier discharge in atmospheric pressure argon: Experiment vs. numerical model

RAFATOV İ.

The 7th Sino-Russia Workshop on Plasma Physics and Applications, Harbin, China, 30 July 2021

V. Transition to Chaos in Planar Gas Discharge-Semiconductor System in Nitrogen: Effect of Fluid Modelling Approach

YEŞİL C., RAFATOV İ.

Computational Science and Engineering Conference BEYOND 2019, Ankara, Turkey, 2 - 11 September 2019, pp.61

VI. Plasma physics research at METU and other research institutions in Turkey

RAFATOV İ.

Symposium on Plasma Physics and Fusion Energy, American University of Beirut, Beyrut, Lebanon, 07 November 2017

VII. Particle in Cell Monte Carlo Collision Analysis of the Problem of Identification of Impurities in Gas within the Plasma Electron Spectroscopy Method

KUŞOĞLU SARIKAYA C., RAFATOV İ., Kudryavtsev A.

69th Annual Gaseous Electronics Conference, Bochum, Germany, 10 - 14 October 2016, vol.61

VIII. Incorporation of the electron energy equation into the hybrid Monte Carlo fluid model for glow discharge the applicability and reliability of the model

EYLENCEOĞLU E., RAFATOV İ., Kudryavtsev A.

69th Annual Gaseous Electronics Conference, Bochum, Germany, 10 - 14 October 2016, vol.61

IX. ARC DISCHARGE SIMULATIONS FOR MAGNETOPLASMADYNAMIC THRUSTER WITH HOLLOW CATHODE

Eliseev S., Saifutdinov A., Kudryavtsev A., ÇAKIR S., RAFATOV İ.

VIII International Conference on Plasma Physics and Plasma Technology (PPPT-8), Minsk, Belarus, 14 - 18 September 2015

X. NUMERICAL ANALYSIS OF FORMATION OF HEXAGONAL ANDBAND STRUCTURES IN THE GAS DISCHARGE SEMICONDUCTORSYSTEM

RAFATOV I

VIII International Conference on Plasma Physics and Plasma Technology (PPPT-8), Minsk, Belarus, 14 - 18 September 2015

XI. Density Gradient Instability in Hall Thrusters

ÇAKIR S., RAFATOV İ.

International Workshop "Nonlinear Photonics: Theory, Materials, Applications", Sankt-Peterburg, Russia, 29 June - 02 July 2015, pp.20

XII. Study of Self organization and Current Filamentation in the Glow Gas Discharge System RAFATOV İ., CAKIR S.

International Workshop "Nonlinear Photonics: Theory, Materials, Applications"!, Sankt-Peterburg, Russia, 29 June - 02 July 2015, pp.21

XIII. VALIDATION AND PARALLELIZATION OF THE PARTICLE IN CELL/MONTE CARLO COLLISION NUMERICAL CODE FOR THE RF DISCHARGE SIMULATIONS

SARIKAYA C. K., RAFATOV İ., ÇAKIR S.

IEEE International Conference on Plasma Sciences (ICOPS), Belek, Turkey, 24 - 28 May 2015

XIV. 3D numerical model for a temporal and spatial pattern formation in a dc glow discharge semiconductor system

RAFATOV İ.

The XXII Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (ESCAMPIG, Greifswald, Germany, 15 - 19 July 2014, pp.453-454

XV. Three dimensional numerical modelling of structure formation in the plasma of a dc driven barrier discharge

RAFATOV İ.

International Conference on Physics of Low Temperature Plasma, Kazan, Russia, 20 - 23 May 2014

XVI. Investigation of pattern formation in planar gas discharges

UZUN KAYMAK İ. Ü., RAFATOV İ.

IMEPS International Middle East Conference on Plasma Science, Antalya, Turkey, 23 - 25 April 2014

XVII. Fluid and hybrid numerical modeling of plasma properties in the discharge channel of a Hall thruster

Yüncüler Ç., RAFATOV İ., Uluşen D.

The International Middle East Plasma Science (IMEPS), Antalya, Turkey, 23 - 25 April 2014

XVIII. Validation of the Particle in Cell Monte Carlo Collision numerical code for the RF discharge simulations

KUŞOĞLU SARIKAYA C., RAFATOV İ., ÇAKIR S.

The International Middle East Plasma Science (IMEPS), Antalya, Turkey, 23 - 25 April 2014

XIX. Numerical study of nonlinear oscillations and pattern formation in glow discharge semiconductor system

RAFATOV İ., UZUN KAYMAK İ. Ü., ÇAKIR S.

Zvenigorod International Conference on Plasma Physics and Controlled fusion, Zvenigorod, Russia, 10 - 14 February 2014, pp.178

XX. Two-dimensional hybrid model for a glow discharge: comparison with fluid and kinetic (particle) models, reliability and accuracy

EYLENCEOGLU E., RAFATOV İ.

16th Russian Youth Conference on Physics and Astronomy (PhysicA.SPb), St Petersburg, Russia, 23 - 24 October 2013, vol.572

XXI. PIC MCC method for numerical simulation of RF glow discharges Effect of super particle weighting and parallelization

Erden E., RAFATOV İ.

4th Workshop on Radiofrequency Discharges, Presqu'ile de Giens, France, 29 - 31 May 2013

XXII. On the numerical modelling of a dc driven glow discharge plasma

RAFATOV I., Bogdanov E., Kudryavtsev A.

30th International Conference on Phenomena in Ionized Gases (ICPIG), Belfast, United Kingdom, 28 August - 02 September 2011, pp.1-4

XXIII. Hybrid modelling of a dc glow discharge with account of nonlocal ionization by fast electrons RAFATOV İ., Bogdanov E., Kudryavtsev A.

VII International Conference Plasma Physics and Plasma Technology (PPPT-7), Minsk, Belarus, 17 - 21 September 2012, vol.1, pp.14-17

XXIV. Fluid model of dc glow discharge with nonlocal ionization source term

RAFATOV İ., BOGDANOV E. A., KUDRYAVTSEV A. A.

12th European Plasma Conference on High-Tech Plasma Processes (HTPP), Bologna, Italy, 24 - 29 June 2012, vol.406

Supported Projects

Rafatov İ., Katırcıoğlu Y., TUBITAK Project, Modelleme ve Simülasyon Destekli Optimum Dielektrik Bariyer Deşarj (DBD) Prototip Sistem Geliştirilmesi: CO2 Ayrıştırma ve Oligomerleşme Reaksiyonlarında DBD Reaktörün Kullanımının Analizi, 2020 - 2022

RAFATOV İ., TÜBİTAK International Bilateral Joint Cooperation Program Project, Yüksek Ve Düşük Basınç Gaz Deşarjların Yerel Olmayan Plazmalarının 2d Kinetik Sayısal Kodların Geliştirilmesi Ve Yeni Plasma Teknolojilerde Uygulanması, 2011 - 2013

RAFATOV İ., TUBITAK Project, Yüksek basınçlı glow deşarjların kendiliğinden yapılanmasının ve kararlı yanma şartlarının incelenmesi, 2009 - 2011

RAFATOV İ., TUBITAK Project, Gaz Akımında Sürekli Optik Deşarj Özelliklerinin Nümerik İncelemesi, 2007 - 2008 RAFATOV İ., TUBITAK Project, Gaz Akımında Sürekli Optik Deşarj Özelliklerinin Nümerik İncelenmesi, 2007 - 2008

Activities in Scientific Journals

Anadolu Üniversitesi Bilim ve Teknoloji Dergisi: B-Teorik Bilimler, Committee Member, 2019 - Continues ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY - A Applied Sciences and Engineering, Committee

Scientific Refereeing

PHYSICS OF PLASMAS, SCI Journal, December 2022

PHYSICS OF PLASMAS, SCI Journal, November 2022

PHYSICS OF PLASMAS, SCI Journal, October 2022

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, September 2022

PHYSICS OF PLASMAS, SCI Journal, September 2022

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, August 2022

PHYSICS OF PLASMAS, SCI Journal, August 2022

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, August 2022

PHYSICS OF PLASMAS, SCI Journal, August 2022

PHYSICS OF PLASMAS, SCI Journal, June 2022

PLASMA SCIENCE AND TECHNOLOGY, SCI Journal, June 2022

PHYSICS OF PLASMAS, SCI Journal, May 2022

EUROPEAN PHYSICAL JOURNAL PLUS, SCI Journal, May 2022

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, February 2022

PLASMA PROCESSES AND POLYMERS, SCI Journal, February 2022

PHYSICS OF PLASMAS, SCI Journal, January 2022

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, January 2022

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, January 2022

PHYSICS OF PLASMAS, SCI Journal, December 2021

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, December 2021

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, December 2021

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Dicle University, Turkey, December 2021

PLASMA SCIENCE AND TECHNOLOGY, SCI Journal, October 2021

PHYSICS OF PLASMAS, SCI Journal, October 2021

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, October 2021

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, October 2021

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, September 2021

CHINESE JOURNAL OF PHYSICS, SCI Journal, September 2021

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, September 2021

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, August 2021

PHYSICA SCRIPTA, SCI Journal, August 2021

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, August 2021

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, August 2021

CHINESE JOURNAL OF PHYSICS, SCI Journal, July 2021

Project Supported by Higher Education Institutions, BAP Research Project, Istanbul University, Turkey, July 2021

APPLIED PHYSICS LETTERS, SCI Journal, June 2021

IEEE TRANSACTIONS ON PLASMA SCIENCE, SCI Journal, June 2021

APPLIED PHYSICS LETTERS, SCI Journal, May 2021

PLASMA SOURCES SCIENCE AND TECHNOLOGY, SCI Journal, May 2021

JOURNAL OF PHYSICS D - APPLIED PHYSICS, SCI Journal, March 2021

JOURNAL OF PHYSICS D - APPLIED PHYSICS, SCI Journal, February 2021

PLASMA SCIENCE AND TECHNOLOGY, SCI Journal, January 2021

Metrics

Publication: 62

Citation (WoS): 334 Citation (Scopus): 393 H-Index (WoS): 9 H-Index (Scopus): 10

Non Academic Experience

Paul Sabatier Üniversitesin (Toulouse, Fransa) Laboratory on Plasma and Conversion of Energy (LAPLACE) National Research Institute for Mathematics and Computer Science in the Netherlands (CWI)