

Prof. Hasan TATLIPINAR

Personal Information

Email: htatli@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/htatli>

Education Information

Yildiz Teknik Üniversitesi, Fen Edebiyat, Fizik, Turkey 1987 - Continues

Under Graduate, Istanbul Teknik Üniversitesi, Fen Edebiyat, Fizik Mühendisliği, Turkey 1981 - Continues

Doctorate, Istanbul University, Faculty Of Science, Physics, Turkey 1990 - 1994

Research Areas

Physics, Atomic and Molecular Physics, Atomic and Molecular Interactions, Natural Sciences

Courses

İleri İstatistik Fizik 1, Doctorate, 2018 - 2019

Fizik 2, Under Graduate, 2017 - 2018

Kuantum Fiziği 2, Under Graduate, 2017 - 2018

Çok Parçacıklı Sistemlere Giriş, Under Graduate, 2017 - 2018

İleri İstatistik Fizik 2, Doctorate, 2017 - 2018

FİZİK 1, Under Graduate, 2017 - 2018

Advising Theses

TATLIPINAR H., Yumuşak Maddelerde Elektrostatik Korelasyonların İncelenmesi, Post Graduate, E.Kıraç(Student), 2014

TATLIPINAR H., Nonlineer Sistemlerde Kararlılık Analizi, Post Graduate, E.KAYGUSUZ(Student), 2014

TATLIPINAR H., SIVI SİSTEMLERİNİN YAPISAL ÖZELLİKLERİNİN MOLEKÜLER DİNAMİK YÖNTEMİ İLE İNCELENMESİ, Post Graduate, D.Koşucuoğlu(Student), 2013

TATLIPINAR H., Polimer/oligonükleotid komplekslerinin karakterizasyonu ve modellenmesi, Doctorate, E.DALGAKIRAN(Student), 2013

TATLIPINAR H., Bir yıldızın basıncını kullanarak yıldızın fiziksel parametrelerinin elde edilmesi, Post Graduate, M.Berrak(Student), 2011

TATLIPINAR H., Lineer olmayan kuantum mekaniğinin temel ilkeleri, Post Graduate, D.BARDIZ(Student), 2011

TATLIPINAR H., İyonik sıvıların yapısal özellikleri ve endüstrideki bazı uygulamaları, Post Graduate, M.UYGUN(Student), 2007

TATLIPINAR H., Doğrusal Olmayan Bazı Sistemlerin İncelenmesi, Post Graduate, A.Çifçi(Student), 2004

TATLIPINAR H., Bose-Einstein Yoğunlaşması ve Bazı Uygulamaları, Post Graduate, S.Dündar(Student), 2002

TATLIPINAR H., Kısmen Sönümlü İyonik sıvıların Yapısı, Post Graduate, G.Özdemir(Student), 2000

Jury Memberships

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, June, 2019
Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, March, 2019
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, June, 2018
Associate Professor Exam, Doçentlik sınavı, Yıldız Teknik Univ., October, 2017
Associate Professor Exam, Associate Professor Exam, Hacettepe Üniversitesi, September, 2017
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, April, 2016
Doctorate, Doctorate, İstanbul Üniversitesi, October, 2015
Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, September, 2014
Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, April, 2014
Doctorate, Doctorate, İstanbul Üniversitesi, December, 2001

Designed Lessons

Tatlıpınar H., Çok Parçalı Sistemlere Giriş, Under Graduate, 2015 - 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A Computational Study on the LCST Phase Transition of a POEGMA Type Thermoresponsive Block Copolymer: Effect of Water Ordering and Individual Behavior of Blocks**
Dalgakiran E., TATLIPINAR H.
JOURNAL OF PHYSICAL CHEMISTRY B, vol.123, pp.1283-1293, 2019 (Journal Indexed in SCI)
- II. **The role of hydrophobic hydration in the LCST behaviour of POEGMA(300) by all-atom molecular dynamics simulations**
Dalgakiran E., TATLIPINAR H.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.20, pp.15389-15399, 2018 (Journal Indexed in SCI)
- III. **Atomistic insights on the LCST behavior of PMEO(2)MA in water by molecular dynamics simulations**
Dalgakiran E., TATLIPINAR H.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.56, pp.429-441, 2018 (Journal Indexed in SCI)
- IV. **Ionic charge transport in strongly structured molten salts**
Tatlıpınar H., AMORUSO M., TOSI M.
PHYSICA B, vol.275, pp.281-284, 2000 (Journal Indexed in SCI)
- V. **Probing structural holes in disordered ionic systems**
PASTORE G., Tatlıpınar H., TOSI M.
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA D-CONDENSED MATTER ATOMIC MOLECULAR AND CHEMICAL PHYSICS FLUIDS PLASMAS BIOPHYSICS, vol.20, pp.1337-1344, 1998 (Journal Indexed in SCI)
- VI. **Local coordination and medium range order in molten trivalent metal chlorides: The role of screening by the chlorine component**
Pastore G., Tatlıpınar H., Tosi M.
PHYSICS AND CHEMISTRY OF LIQUIDS, vol.31, pp.189-200, 1996 (Journal Indexed in SCI)
- VII. **Structure of partly quenched molten copper chloride**
Pastore G., Tatlıpınar H., Tosi M.
PHYSICS AND CHEMISTRY OF LIQUIDS, vol.31, pp.89-96, 1996 (Journal Indexed in SCI)
- VIII. **STRUCTURE OF IONIC FLUIDS IN EQUILIBRIUM WITH A MICROPOROUS IONIC MATRIX**
TATLIPINAR H., PASTORE G., TOSI M.
PHILOSOPHICAL MAGAZINE LETTERS, vol.68, pp.357-361, 1993 (Journal Indexed in SCI)
- IX. **ATOMIC SIZE EFFECTS ON LOCAL COORDINATION AND MEDIUM-RANGE ORDER IN MOLTEN TRIVALENT METAL CHLORIDES**
TATLIPINAR H., AKDENİZ Z., PASTORE G., TOSI M.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.4, pp.8933-8944, 1992 (Journal Indexed in SCI)

Books & Book Chapters

- I. **Çok Parçacık Sistemlerinin Kuantum Mekanikine Giriş**
Tatlıpınar H.
Yıldız Teknik Üniversitesi Basım Yayın, İstanbul, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Structural Correlations in Partly Quenched Two and Three Component Ionic Systems and Detecting the Structural Holes**
Tatlıpınar H.
TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS (TPS35), Muğla, Turkey, 04 September 2019, pp.241-243
- II. **Study of the thermoresponsive behaviour of poegma-based polymer systems in water by fully atomistic molecular dynamics simulation**
Tatlıpınar H.
26. İstatistiksel Fizik Günleri (İFG 26), İzmir, Turkey, 27 - 29 June 2019, pp.3-4
- III. **LCST MECHANISM OF POEGMA-BASED POLYMER SYSTEMS IN WATER: A MOLECULAR DYNAMICS STUDY**
TATLIPINAR H., Dalgakiran E.
Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
- IV. **Investigation of Open Marine Wind Energy Potential by Weibull Distribution and Implementation to Izmir and Antalya**
Karakaya D., TATLIPINAR H.
34th International Physics Congress of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- V. **PARTLY QUENCHED IONIC LIQUIDS AS A SIMPLE MODEL TO IONIC GLASSES.**
TATLIPINAR H.
2017 ICG Annual Meeting and Şişecam Glass Symposium, İstanbul, Turkey, 22 October 2017, pp.158
- VI. **Temperature behaviour of POEGMA type polymer systems by molecular dynamics in water**
TATLIPINAR H., Dalgakiran E.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017
- VII. **Temperature phase behaviour of PME02MA-b-POEGMA300 co-polymer in water by molecular dynamics**
TATLIPINAR H., Dalgakiran E.
10th Liquid Matter Conference 2017, 17 - 21 July 2017
- VIII. **Modeling of ionic liquids**
Tatlıpınar H.
Turkish Physical Society 32nd International Physics Congress, TPS 2016, Konacik-Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- IX. **Local structural properties of the partly quenched multi component ionic liquids**
UYGUN M., TATLIPINAR H.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.662
- X. **Study of the partly quenched metal halides with integral equation theory**
TATLIPINAR H.
EUCHEM Conference on molten salts and ionic liquids, Hammamet, Tunisia, 16 September 2006, pp.143
- XI. **Study of Bose Einstein Condensation in a Harmonic Oscillator Potential**
GÜNAY S. D., Tatlıpınar H.
Turkish Physical Society 22th Conference, Turkey, 14 - 17 September 2004

Supported Projects

Tatlıpınar H., TUBITAK Project, Sıcaklığa duyarlı oligo(etilen glikol) metil eter metakrilat (OEGMA) temelli polimerlerin moleküler dinamik yöntemi ile incelenmesi, 2015 - 2017

Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği, Principal Member, 2000 - Continues

Scientific Refereeing

Turkish Journal of Physics, Other Indexed Journal, January 2018

Canadian Journal of Physics, SCI Journal, December 2017

Scientific Research / Working Group Memberships

Ulusal Sıvı Hal Sempozyumu , Yıldız Technical University, Türkiye, sivihal.pirireis.edu.tr, 1994 - Continues

Invited Congress and Symposium Activities

26. İstatistik Fizik Günleri, Invited Speaker, İzmir, Turkey, 2019

22. SIVI HAL SEMPOZYUMU, Attendee, İstanbul, Turkey, 2018

Turkish Physical Society 34rd International Physics Congress, Attendee, Muğla, Turkey, 2018

2017 ICG ANNUAL MEETING & 32nd ŞİŞECAM GLASS SYMPOSIUM, Attendee, İstanbul, Turkey, 2017

Turkish Physical Society 33rd International Physics Congress, Attendee, Muğla, Turkey, 2017

Liquid 2017 10th Liquid Matter Conference, Attendee, Ljubljana, Slovenia, 2017

Turkish Physical Society 32nd International Physics Congress, Attendee, Muğla, Turkey, 2016

Citations

Total Citations (WOS):91

h-index (WOS):5

Invited Talks

Doğrusal Olmayan Dinamik Sistemlerin Davranışının İncelenmesi , Workshop, Yıldız Teknik Üniversitesi, Turkey, October 2020

26. İstatistik Fizik Günleri, Conference, İzmir Yüksek Teknoloji Enstitüsü, Turkey, June 2019

22. Ulusal Sıvıhal Fiziği Sempozyumu/LOWER CRITICAL SOLUTION TEMPERATURE BEHAVIOUR OF PEGMA-BASED POLYMER SYSTEMS IN WATER BY MOLECULAR DYNAMICS, Seminar, Piri Reis Üniversitesi, Turkey, December 2018

20. Ulusal Sıvıhal fiziği sempozyumu/Türkiyede Sıvıhal Fiziği Çalışmalarının 25 Yılı, Conference, Piri Reis Üniversitesi, Turkey, December 2016

XVI. International Symposium on disordered systems and its applications/Correlation functions in non-crystalline structures., Workshop, İstanbul Üniversitesi, Turkey, May 2016

19. Ulusal sıvı hal sempozyumu/, İyonik sıvılar: Genel bakış, Seminar, Piri Reis Üniversitesi, Turkey, December 2015