

4. Ulusal Açık Erişim Çalıştayı

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eResearch@Ozyegin : önemli bilgiler

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- 2010-
- DSPACE 4.1
- Dublin core
- Handle
- Manakin

İndekslenme bilgileri:

- Open DOAR
- ROAR
- Google scholar
- Open archives
- OpenAIREplus

yayın profili

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- Yayın sayısı: 692
- Tam metin açık yayın sayısı: 357
- OzU adresli WOS indeksli yayın sayısı: 706
- eResearch@Ozyegin'de WOS indeksli yayın sayısı: 507

içerik

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- Akademik personel yayınları
 - Makaleler
 - Bildiriler
 - Kitaplar/ Kitap bölümleri
 - Editoryal yayınlar
 - Raporlar
 - Patentler
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- OzU Konferansları & Seminerleri
- Tezler
- Kütüphaneye ait yayınlar
- TUBITAK projesi (Türk Edebiyatında Tefrika Roman Tarihi)

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Recently Added

ANKOS Publisher Application System and Its Impact on the e-Resource Evaluation Process

Bulut, B.; Uğur, H.; Gürdal, G.; Holt, İlker; Çukadar, S.; Akbayrak, E. H.; Çelebi, M. K. (Elsevier, 2013-03)
The Publisher Application System (PAS) is a Web-based archiving and online evaluation system developed by the Database Evaluation Group (DEG), one of the working groups formed within the Anatolian University Libraries ...

Round Table & Discussion

Küçükönel, Hatice; Martín-Domínguez, Luis (Özyeğin University, 03/26/2015)
The transition of the actual two airports system (Istanbul Ataturk - IST and Sabiha Gokcen - SAW), with the capacity shortages, into the new airport System (Istanbul New Airport and Sabiha Gokcen) was discussed. The optimal ...

Istanbul New Airport

Genç, M. (Özyeğin University, 03/26/2015)
The CEO of Istanbul New Airport, Mr. Genc Justifies the need of a new airport in Istanbul with latest statistics. He explains the timeline of the project both construction and operation period. The new airport is planned ...

The Key Airport Challenges

Graham, A. (Özyeğin University, 03/26/2015)
Ms. Graham started with the main reason of airport expansion which is traffic growth and followed by the main expansion options: 1) Expanding existing airport; 2) Building a new airport; and 3) Spreading the traffic in a ...

Economic, Social and Environmental Impacts of 3rd Airport in Istanbul

Durmaz, V. (Özyeğin University, 03/26/2015)
Ms. Durmaz highlights the importance of Turkey's Geographic position. She defines the sustainable development and social and economic contribution of Air Transportation Industry to society, Then she answers these questions; ...

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Coexistence of multiple regimes for near-field thermal radiation between two layers supporting surface phonon polaritons in the infrared

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 Coexistence of multiple regimes for near-field thermal radiation between two layers supporting surface phonon polaritons in the infrared (739.7Kb)

Date

08/01/2011

Author

Francoeur, M.
Mengüç, M. Pınar
Vaillon, R.

Cited 15 times in Scopus

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We demonstrate the coexistence of different near-field thermal radiation regimes between two layers supporting surface phonon polaritons (SPhPs) in the infrared. These regimes exist when the distance of separation between the media d is much smaller than the dominant emission wavelength. This coexistence is noticed after computations of the near-field radiative heat transfer coefficient h_r for silicon carbide films using fluctuational electrodynamics and following an asymptotic analysis of h_r . We show that the emergence of these regimes is a function of a dimensionless variable D defined as the ratio of the layer thickness t to d . When $D \ll 1$ for both films, SPhPs dominating near-field radiant energy exchange do not couple within the layers, such that h_r follows a d^{-2} power law as for the case of two planar half-spaces. When $D \sim 1$ for both layers, the dominant SPhPs couple within the films, thus resulting in a splitting of the spectral distribution of flux into two distinct modes. Despite this splitting, the asymptotic expansion reveals that h_r varies as d^{-2} due to the fact that the spectral bands of high emission and absorption are essentially the same for both films. However, when both layers have a thickness of the order of a nanometer or less, a purely theoretical regime emerges where h_r follows a d^{-4} asymptote. Also, when one layer has $D \ll 1$ while the other one is characterized by $D \sim 1$, there is an important mismatch between the spectral bands of high emission and absorption of the films, thus resulting in a h_r varying as d^{-3} . These various near-field thermal radiation regimes are finally summarized in a comprehensive regime map. This map provides a clear understanding of near-field thermal radiation regimes between two layers, which are particularly important for designing highly efficient nanoscale-gap thermophotovoltaic power generation devices.

URI

<http://hdl.handle.net/10679/238>

<https://offcampus.ozyegin.edu.tr/login?>

<url=http://journals.aps.org/prb/abstract/10.1103/PhysRevB.84.075436>

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- Veri girişlerinin kütüphaneci tarafından yapılması
- Entegrasyon zorlukları
- Telif hakları politikaları
- Öğretim görevlilerinin çekinceleri
- Yayınların preprint ya da yazar kopyalarının yazarda bulunmaması
- Standartlaşma eksikliği

yapılacaklar

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- Yazar profili
- Kurumsal akademik değerlendirme sistemi ile entegrasyon
- 5.3 sürümüne geçiş
- Java arayüzüne geçiş



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