

## **Publication**

### **A) International journal papers (indexed in SCI)**

**(Uluslararası hakemli dergilerde yayımlanan makaleler)**

**A1.** L. Kuddusi and N. Eđrican, "Exact solution for cooling of electronics using constructal-theory", *Journal of Applied Physics*, Vol. 93, Issue 8, April 15, 2003, pp 4922-4929.

**A2.** L. Kuddusi and N. Eđrican, "Flow area structure generation in point to area or area to point flows", *Energy Conversion & Management*, Vol. 44, Issue 16, September 2003, pp 2609-2623.

**A3.** L. Kuddusi and N. Eđrican, "Flow area optimization in point to area or area to point flows", *Energy Conversion & Management*, Vol. 44, Issue 16, September 2003, pp 2589-2608.

**A4.** L. Kuddusi and N. Eđrican, "Conductive cooling of triangular shaped electronics using constructal-theory", *Energy Conversion & Management*, Vol. 45, Issue 6, April 2004, pp 811-828.

**A5.** L. Kuddusi, "Conceptual study on constructal theory", *Energy Conversion & Management*, Vol. 45, Issue 9-10, June 2004, pp 1379-1395.

**A6.** L. Kuddusi, "Entropy generation rate in uniform heat generating area cooled by conducting paths; criterion for rating the performance of constructal designs", *Energy Conversion & Management*, Vol. 45, Issues 18-19, November 2004, pp. 2951-2969.

**A7.** L. Kuddusi, "Thermal and hydrodynamic analysis of a fractal microchannel network", *Energy Conversion & Management*, Vol. 46, Issue 5, March 2005, pp. 771-788.

**A8.** L. Kuddusi and N. Eđrican, "Prediction of heat transfer characteristics in rectangular microchannels for slip flow regime and H1 boundary condition", *International Journal of Thermal Sciences*, Vol. 44, Issue 6, June 2005, pp. 513-520.

**A9.** Tolga N. Aynur, L. Kuddusi, Nilüfer Eđrican, "Viscous dissipation effect on heat transfer characteristics of rectangular microchannels under slip flow regime and H1 boundary conditions", *Heat and Mass Transfer*, Vol. 42, No 12, October 2006, pp. 1093-1101.

**A10.** L. Kuddusi and J. C. Denton, "An analytical solution for heat conduction problem in a composite slab and its implementation in constructal solution for cooling of electronics", *Energy Conversion and Management*, Vol. 48, No 4, April 2007, pp. 1089-1105.

**A11.** L. Kuddusi and E. Çetegen, "Prediction of temperature distribution and Nusselt number in rectangular microchannels at wall slip condition for all versions of constant wall heat flux", *International Journal of Heat & Fluid Flow*, Vol. 28, Issue 4, August 2007, pp. 777-786.

**A12.** L. Kuddusi, "Prediction of temperature distribution and Nusselt number in rectangular microchannels at wall slip condition for all versions of constant wall temperature", *International Journal of Thermal Sciences*, Vol. 46, Issue 10, October 2007, pp. 998-1010.

**A13.** L. Kuddusi, Nilüfer Eğrican, “A critical review of constructal theory”, Energy Conversion and Management, [Vol. 49, Issue 5](#), May 2008, pp. 1283-1294.

**A14.** L. Kuddusi and E. Çetegen, “Thermal and hydrodynamic analysis of gaseous flow in trapezoidal silicon microchannels”, International Journal of Thermal Sciences, Volume 48, Issue 2, February 2009, pp. 353-262.

**A15.** L. Kuddusi, “First and second law analysis of fully developed gaseous slip flow in trapezoidal silicon microchannels considering viscous dissipation effect”, International Journal of Heat and Mass transfer, Vol. 54, Issue 1-3, Jan. 2011, pp. 52-64.

**A16.** L. Kuddusi, “Thermodynamics and life span estimation”, Energy, Vol. 80, pp. 227-238, 1 February 2015, DOI:10.1016/j.energy.2014.11.065.

**A17.** C. Dolu, L. Kuddusi, “The effect of reactor height on coal gasification”, Thermal Science, 2015 OnLine-First, DOI:10.2298/TSCI150526112D

**A18.** L. Kuddusi, “Entropy generation in rectangular microchannels”, International Journal of Exergy, Vol. 19, No. 1, pp.110-139 , 2016, DOI: 10.1504/IJEX.2016.074263

**A19.** Özgün Sakallı, Hüsnü Kerpiççi, Lütfullah Kuddusi, “A study on optimizing the energy consumption of a cold storage cabinet”, Applied Thermal Engineering, Vol. 112, No. 5, pp. 424–430, 2017.

DOI: <http://dx.doi.org/10.1016/j.applthermaleng.2016.10.054>

## **B) International conference papers**

### **(Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler)**

**B1.** L. Kuddusi and N. Eğrican, “Flow area structure generation in point to area or area to point flows”, Proceedings of ECOS2002, 15th International Conference on Efficiency, Costs, Optimization, Simulation and Environmental Impact of Energy Systems, Berlin, Germany, July 3-5, 2002, pp 531-538.

**B2.** L. Kuddusi and N. Eğrican, “Flow area optimization in point to area or area to point flows”, Proceedings of ESDA2002, 6<sup>th</sup> Biennial conference on engineering systems design and analysis, Istanbul, Turkey, July 8-11, 2002.

**B3.** L. Kuddusi, A. Karakaş and O. Borat, “An implicit unfactored finite difference simulation of flow about arbitrary geometries”, Proceedings of ESDA1992, the first biennial conference on engineering systems design and analysis, Istanbul, Turkey, June 29-July 03, 1992.

**B4.** Serdar KOCATÜRK, Aylin MET, Işıl USLU, Lütfullah KUDDUSİ, “Modelling of heat and mass transfer processes in refrigerator crisper for predicting quality and shelf life of vegetables”, The 24<sup>th</sup> IIR International Congress of Refrigeration ICR2015 August 16-22, 2015, Yokohama, Japan. <http://icr2015.org/index.html>

**B5.** L. Kuddusi and N. Eğrican, “Conductive cooling of triangular shaped electronics using constructal-theory”, The Fourteenth International Symposium on Transport Phenomena (ISTP-14), Bali, Indonesia, July 6-10, 2003.

**B6.** L. Kuddusi and N. Eğrican, “Inward constructal design for cooling of triangular shaped electronics”, Proceedings of ECOS2003, 16th International Conference on Efficiency, Costs, Optimization, Simulation and Environmental Impact of Energy Systems, Copenhagen, Denmark, June 30-July 2, 2003, pp.1169-1176.

**B7.** C. Dolu, L. Kuddusi, “Second order slip flow effects on heat transfer performance of microchannels”, Proceedings of MNHT2009, ASME 2009 2nd Micro/Nanoscale Heat & Mass Transfer International Conference, December 18-22, 2009, Shanghai, China.

#### **D) National journal papers**

**(Ulusal Hakemli dergilerde yayınlanan makaleler)**

**D1.** Lütfullah Kuddusi, “Mikro ölçekli ısı geçişi”, Termodinamik, Ağustos 2005, Sayı 156, Sayfa 86-94.

**D2.** Lütfullah Kuddusi, “Constructal teorisi üzerine eleştirel bir bakış”, Termodinamik, Ekim 2005, Sayı 158, Sayfa 92-98.

#### **E) National conference papers**

**(Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler)**

**E1.** L. Kuddusi, A. Karakaş ve O. Borat, “İki boyutlu türbomakina pasaj dizaynı”, ODTÜ havacılık mühendisliği bölümünün onuncu kuruluş yılı sempozyumu, 22-26.6.1992, ODTÜ, Ankara, Bildiri kitabı sayfa 247.

**E2.** Lütfullah Kuddusi, “Yamuk Mikrokanallarda Isı Geçişi”, 11. Ulusal Tesisat Mühendisliği Kongresi ve Teskon+Sodex Fuarı – 17/20 Nisan 2013/İzmir

**E3.** Okan KARABUĞA, Mutlu İPEK, Tolga APAYDIN, Lütfullah KUDDUSİ, “Buzdolabı Kabin İçi Sıcaklık Salınımlarının Modellenmesi”, 12. Ulusal Tesisat Mühendisliği Kongresi ve Teskon+Sodex Fuarı, 8/11 Nisan 2015/İzmir

**E4.** Lütfullah Kuddusi, “Termodinamik ve Türkiye Bölgesel Yaşam Süresi Tahmini”, 13. Ulusal Tesisat Mühendisliği Kongresi ve Teskon+Sodex Fuarı – 19/22 Nisan 2017/İzmir

**E5.** Reza Daryani, Lütfullah Kuddusi, “Mikro-post (mikro pılar) kullanılarak akışta bio parçacık ayırma”, 13. Ulusal Tesisat Mühendisliği Kongresi ve Teskon+Sodex Fuarı – 19/22 Nisan 2017/İzmir

#### **F) Books**

**F1.** THEODORE L. BERGMAN, ADRIENNE S. LAVINE, FRANK P. INCROPERA, DAVID P. DEWITT, “Fundamentals of Heat and Mass Transfer”, Seventh Edition, John Wiley & Sons.

Translated by:

Editör Taner Derbentli, Ali GÜNGÖR, Mesut GÜR, Zafer İLKEN, Lütfullah KUDDUSİ, Necdet ÖZBALTA, Feridun ÖZGÜÇ, Cem PARMAKSIZOĞLU, Yalçın URALCAN, “Isı ve

Kütle Geçişinin Temelleri”, Yedinci Versiyon, Palme Yayınevi, 2015, ISBN 9786053552826.

<http://www.palmeyayinevi.com/is%C4%B1-ve-k%C3%BCtle-ge%C3%A7i%C5%9Finin-temelleri-2-2-2>

[http://www.palmekitap.com/isi-ve-kutle-gecisinin-temelleri-incropera-palme-yayinevi?filter\\_name=Is%C4%B1%20ve%20K%C3%BCtle%20Ge%C3%A7i%C5%9Finin%20Temelleri](http://www.palmekitap.com/isi-ve-kutle-gecisinin-temelleri-incropera-palme-yayinevi?filter_name=Is%C4%B1%20ve%20K%C3%BCtle%20Ge%C3%A7i%C5%9Finin%20Temelleri)

**F2.** Lütfullah Kuddusi, “Life Span, a Thermodynamic Approach”, LAP LAMBERT Academic Publishing, Germany, 12.01.2016, ISBN 978-3-659-79535-0.

DOI:10.13140/RG.2.1.2942.9524

<https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-79535-0/life-span,-a-thermodynamic-approach>

<https://www.morebooks.de/store/gb/book/life-span,-a-thermodynamic-approach/isbn/978-3-659-79535-0>

# A view of "WEB OF SCIENCE" accessed on 13.11.2016

Web of Science™ InCites™ Journal Citation Reports® Essential Science Indicators™ EndNote™ Sign In Help English

## WEB OF SCIENCE™

THOMSON REUTERS™

Search
Return to Search Results My Tools Search History Marked List

**Citation Report: 18**  
(from Web of Science Core Collection)

You searched for: **AUTHOR: (Kuddusi) OR AUTHOR: (Ghodoossi) OR AUTHOR: (Ghodoosi) ...More**

This report reflects citations to source items indexed within Web of Science Core Collection. Perform a Cited Reference Search to include citations to items not indexed within Web of Science Core Collection.

**Published Items in Each Year**

The latest 20 years are displayed.

**Citations in Each Year**

The latest 20 years are displayed.

Results found: 18

Sum of the Times Cited [?]:	314
Sum of Times Cited without self-citations [?]:	289
Citing Articles [?]:	195
Citing Articles without self-citations [?]:	183
Average Citations per Item [?]:	17.44
h-index [?]:	13

Use the checkboxes to remove individual items from this Citation Report or restrict to items published between  and

	2013	2014	2015	2016	2017	Total	Average Citations per Year
<input type="checkbox"/> 1. <b>Exact solution for cooling of electronics using constructal theory</b> <small>By: Ghodoossi, L; Egrican, N                      JOURNAL OF APPLIED PHYSICS Volume: 93 Issue: 8 Pages: 4922-4929 Published: APR 15 2003</small>	5	3	10	10	0	60	4.29
<input type="checkbox"/> 2. <b>Conceptual study on constructal theory</b> <small>By: Ghodoossi, L                      ENERGY CONVERSION AND MANAGEMENT Volume: 45 Issue: 9-10 Pages: 1379-1395 Published: JUN 2004</small>	5	1	3	2	0	36	2.77
<input type="checkbox"/> 3. <b>Prediction of heat transfer characteristics in rectangular microchannels for slip flow regime and H1 boundary condition</b> <small>By: Ghodoossi, L; Egrican, N                      INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: 44 Issue: 6 Pages: 513-520 Published: JUN 2005</small>	2	5	0	3	0	31	2.58
<input type="checkbox"/> 4. <b>Conductive cooling of triangular shaped electronics using constructal theory</b> <small>By: Ghodoossi, L; Egrican, N                      ENERGY CONVERSION AND MANAGEMENT Volume: 45 Issue: 6 Pages: 811-828 Published: APR 2004</small>	4	4	8	3	0	29	2.23
<input type="checkbox"/> 5. <b>Entropy generation rate in uniform heat generating area cooled by conducting paths: criterion for rating the performance of constructal designs</b> <small>By: Ghodoossi, L                      ENERGY CONVERSION AND MANAGEMENT Volume: 45 Issue: 18-19 Pages: 2951-2969 Published: NOV 2004</small>	5	2	0	4	0	23	1.77
<input type="checkbox"/> 6. <b>Prediction of temperature distribution and Nusselt number in rectangular microchannels at wall slip condition for all versions of constant heat flux</b> <small>By: Kuddusi, Lutfullah; Cetegen, Edvin                      Conference: International Conference on Modelling Fluid Flow (CMFF 06) Location: Budapest, HUNGARY Date: 2006                      INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW Volume: 28 Issue: 4 Special Issue: SI Pages: 777-786                      Published: AUG 2007</small>	4	6	0	2	0	21	2.10
<input type="checkbox"/> 7. <b>Thermal and hydrodynamic analysis of a fractal microchannel network</b> <small>By: Ghodoossi, L                      ENERGY CONVERSION AND MANAGEMENT Volume: 46 Issue: 5 Pages: 771-788 Published: MAR 2005</small>	1	3	0	1	0	17	1.42
<input type="checkbox"/> 8. <b>First and second law analysis of fully developed gaseous slip flow in trapezoidal silicon microchannels considering viscous dissipation effect</b> <small>By: Kuddusi, Lutfullah                      INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 54 Issue: 1-3 Pages: 52-64 Published: JAN 15 2011</small>	1	5	2	2	0	15	2.50
<input type="checkbox"/> 9. <b>Analytical solution for heat conduction problem in composite slab and its implementation in constructal solution for cooling of electronics</b> <small>By: Kuddusi, Lutfullah; Denton, Jesse C.                      ENERGY CONVERSION AND MANAGEMENT Volume: 48 Issue: 4 Pages: 1089-1105 Published: APR 2007</small>	3	2	0	3	0	15	1.50
<input type="checkbox"/> 10. <b>Viscous dissipation effect on heat transfer characteristics of rectangular microchannels under slip flow regime and H1 boundary conditions</b> <small>By: Aynur, Tolga N.; Kuddusi, Lutfullah; Egrican, Nilufer                      HEAT AND MASS TRANSFER Volume: 42 Issue: 12 Pages: 1093-1101 Published: OCT 2006</small>	2	1	0	0	0	15	1.36

