

CURRICULUM VITAE

PERSONAL INFORMATION

SURNAME: GAGAOUDAKIS
GIVEN NAME: EMMANOUIL
DATE OF BIRTH: 21 / 02 / 1975
NATIONALITY: Greek
HOME ADDRESS: 17 Davaki Str., 71307, Heraklion, Crete
WORK ADDRESS: Transparent Conductive Materials and Devices Lab
Institute of Electronic Structure and Laser (IESL)
Foundation for Research and Technology (FORTH)
100 N. Plastira Str, Vasilika Vouton, 70013, Heraklion, Crete
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MARITAL STATUS: Married, 2 kids
MILITARY SERVICE: Fulfilled
(Hellenic Air Force/Meteorologist)

EDUCATION

- **PhD**, University of Crete / Physics Department (2019)
PhD Thesis: "Study of Vanadium dioxide (VO_2)-based thermochromic materials grown at low temperature"
 - **M.Sc. Optoelectronics-Microelectronics**, University of Crete / Physics Department (2001)
M.Sc. Thesis: "Indium oxide as ozone gas sensor at room temperature"
 - **B.Sc. Physics**, University of Crete / Physics Department (1998)
B.Sc. Thesis: "Study of the optical recording dynamics on indium oxide thin films"
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Language skills

- **Greek** – Mother language
 - **English** – Fluently written and spoken (LONDON TESTS OF ENGLISH LEVEL 5 –PROFICIENT COMMUNICATION–EDEXCEL)
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Certifications

- **Certified Trainer for Adult Education** (National Organization for the Certification of Qualifications & Vocational Guidance, Ε.Ο.Π.Π.Ε.Π. – EB 20990)
- **ECDL Progress** ;pm(Word, Excel, Internet)

Distinctions

- **Post-Doctoral Fellowship**, State Scholarships Foundation (I.K.Y.) (2020-2022)
Title: *“Thermochromic coatings on flexible substrates for “smart” windows applications”*
 - **Award (4th) after examinations** at 10th Summer School of Advanced Physics, Physics Department, University of Crete (1998)
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Achievements

- **37** articles in peer-reviewed journals
 - **53** announcements in national and international conferences
 - **1044** citations, **h-index = 15**, **i10 = 25** (Google Scholar, 06/2022)
 - **Scopus ID = 6508296393**, **h-index = 13**
 - **Reviewer** in journals Sensors, Energies, Colloids and Interfaces, Applied Surface Science, Surfaces and Interfaces, Thin Solid Films, Journal of Alloys and Compounds, SN Applied Sciences, ECS Journal of Solid State Science and Technology, Applied Physics A, Surface and Coatings Technology
 - **Guest Editor**, Special Issue *“Thin Films Gas Sensors 2021”*, Sensors, MDPI (**IF = 3.576**)
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Research Interests

- Thin film deposition by sputtering technique
 - Hydrothermal synthesis of materials
 - Study of structure and properties of novel materials for environmental and energy applications
 - Gas sensors
 - Thermochromic materials for energy saving of buildings
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Professional experience

- Research assistant in Transparent Conductive Materials and Devices Lab / IESL / FORTH working on synthesis, characterization and study of the properties of materials for environmental and energy applications (2000-2001, 2003-2004, 2012-)
- Participation in various national or international research programs such as SYNERGASIA (EXOTHERMO), KRIPIS, INNOVATION EL, IDEAL (2012-)
- Meteorologist during the military service (2001-2003)

Teaching experience

- **Lecturer**, Undergraduate Laboratory Courses “Electronic I&II”, “Electric Measurements”, “Introduction to Electronics”, “Agrometeorology”, “Physics Laboratories” in the Technical Educational Institute of Crete, now the Hellenic Mediterranean University (**2003–2012**)
 - **Trainer**, of “Meteorology”, “Special Subjects in Physics” Courses, 1st Public Institute of Vocational Training Heraklion Crete, **2017-2020**
 - Professor’s Assistant, in “Physics Laboratory I & II” and “Advanced Physics Laboratories” Courses, Physics Department, University of Crete, **1995-2001, 2012-2014**
 - Teacher of Physics in Secondary Educational Tutoring, Heraklion, **2000-2020**
 - Teacher of Physics in Secondary Educational Schools, **2005-06, 2008-2009, 2010**
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Seminars-Training Courses

- “Education of Adult Educational Trainers”, **110 hours, 2015**
 - “Social Finance and Business”, **125 hours, 2011**
 - “Training in e-learning” **25 hours, 2011**
 - “Education of Adult Educational Trainers”, **25 hours, 2010**
 - “Finance – Management – Business», **250 hours, 2008-2009**
 - 10th Summer School of Advanced Physics, Physics Department, University of Crete, **1998**
 - 8th Summer School of Advanced Physics, Physics Department, University of Crete, **1995**
-

Publications in peer-reviewed journals / conference proceedings

1. K. Moschovis, **E. Gagaoudakis**, E. Chatzitheodoridis, G. Kiriakidis, S. Mailis, E. Tzamali, N.A. Vainos, H. Fritzsche, “Study of the ambient optical recording dynamics on sputtered indium oxide thin films”, Appl. Phys. A 66 (1998) 651–654
2. G. Kiriakidis, N. Katsarakis, M. Bender, **E. Gagaoudakis** and V. Cimalla, “InOx thin films, candidates for novel chemical and optoelectronic applications”, Mater. Phys. Mech. 2 (2000) 1-10
3. G. Kiriakidis, M. Bender, N. Katsarakis, **E. Gagaoudakis**, E. Hourdakis, E. Douloufakis, V. Cimalla, “Ozone sensing properties of polycrystalline Indium oxide films at room temperature”, Phys. Stat. Sol. 185 No1 (2001) 27-32
4. **E. Gagaoudakis** M. Bender, E. Douloufakis, N. Katsarakis, E. Natsakou, V. Cimalla, G. Kiriakidis, “The influence of deposition parameters on room temperature ozone sensing properties of InO_x films”, Sensors and Actuators B 80 (2001) 155-161
5. M. Bender, N. Katsarakis, **E. Gagaoudakis**, E. Hourdakis, E. Douloufakis, V. Cimalla, G. Kiriakidis, “Dependence of the photoreduction and oxidation behavior of indium oxide films on substrate temperature and film thickness”, J. Appl. Phys. 90 No 10 (2001) 5382-5387
6. M. Bender, **E. Gagaoudakis**, E. Douloufakis, E. Natsakou, N. Katsarakis, V. Cimalla, G. Kiriakidis, E. Fortunato, P. Nunes, A. Marques, R. Martins, “Production and characterization of Zinc oxide thin films for temperature ozone sensing”, Thin Solid Films 418 (2002) 45-50

7. N. Katsarakis, M. Bender, V. Cimalla, **E. Gagaoudakis** and G. Kiriakidis, "Ozone sensing properties of DC-sputtered, c-axis oriented ZnO films at room temperature", *Sensors and Actuators B*, 96 (2003) 76-81
8. J. Androulakis, S. Gardelis, J. Giapintzakis, **E. Gagaoudakis**, G. Kiriakidis, "Indium oxide as a possible tunnel barrier in spintronic devices", *Thin Solid Films* 471 (2005) 293-297
9. M. Panagopoulou, **E. Gagaoudakis**, E. Aperathitis, I. Michail, G. Kiriakidis, D. Tsoukalas, Y. S. Raptis, «The effect of buffer layer on the thermochromic properties of undoped RF-sputtered VO₂ thin films», *Thin Solid Films* 594 (2015) 310-315
10. **E. Gagaoudakis**, I. Kortidis, G. Michail, K. Tsagaraki, V. Binas, G. Kiriakidis, E. Aperathitis, «Study of low temperature rf-sputtered Mg-doped vanadium dioxide thermochromic films deposited on low-emissivity substrates», *Thin Solid Films* 601 (2016) 99-105
11. V. Binas, I. Kortidis, **E. Gagaoudakis**, K. Moschovis, and G. Kiriakidis, «Ageing Resistant Indium Oxide Ozone Sensing Films», *Sensor Letters* 14 (2016) 563-566
12. Panagopoulou M., **Gagaoudakis E.**, Boukos N., Aperathitis E., Kiriakidis G., D. Tsoukalas, Y.S. Raptis «Thermochromic performance of Mg-doped VO₂ thin films on functional substrates for glazing applications» *Solar Energy Materials and Solar Cells* 157 (2016) 1004–1010
13. **E. Gagaoudakis**, E. Aperathitis, V. Binas, E. Koudoumas, K. Siderakis, G. Kiriakidis «Study of thermochromic VO₂ material as thermal switch for power lines», 51th UPEC, 978-1-5090-4650-8/16 ©2016 IEEE
14. **Emmanouil Gagaoudakis**, Giannis Michail, Elias Aperathitis, Ioannis Kortidis, Vassilios Binas, Marianthi Panagopoulou, Yannis S. Raptis, Dimitris Tsoukalas, George Kiriakidis «Low temperature rf-sputtered thermochromic VO₂ films on flexible glass substrates» *Advanced Materials Letters* 2017, 8(7), 757-761
15. Katerinopoulou D., Moschovis K., **Gagaoudakis E.**, Aperathitis E., Binas V., Kiriakidis G. «A Comparable Study On ZnO-Based Room Temperature Ozone Sensing Characteristics Utilizing Conductometric and Surface Acoustic Waves Techniques» *Madridge Journal of Nanotechnology & Nanoscience* 2017, 2(1), 44-52
16. **E. Gagaoudakis**, E. Aperathitis, V. Binas, L. Zouridi, O. Markaki, G. Kiriakidis «Transmission lines thermal switches utilizing novel phase changing materials» 52th UPEC, 978-1-5386-2344-2/17 ©2017 IEEE
17. **E. Gagaoudakis**, G. Michail, V. Kampylafka, K. Tsagaraki, E. Aperathitis, K. Moschovis, V. Binas, and G. Kiriakidis «Room Temperature p-Type NiO Nanostructure Thin Film Sensor for Hydrogen and Methane Detection» *Sensor Letters* 15 (2017) 1-5
18. George Kakavelakis, **Emmanouil Gagaoudakis**, Konstantinos Petridis, Valia Petromichelaki, Vassilis Binas, George Kiriakidis, and Emmanuel Kymakis «Solution Processed CH₃NH₃PbI₃-xCl_x Perovskite Based Self-Powered Ozone Sensing Element Operated at Room Temperature» *ACS Sensors* 3 (2018) 135-142
19. **E. Gagaoudakis**, E. Aperathitis, G. Michail, M. Panagopoulou, D. Katerinopoulou, V. Binas, Y.S. Raptis, G. Kiriakidis «Low-temperature rf sputtered VO₂ thin films as thermochromic coatings for smart glazing systems» *Solar Energy* 165 (2018) 115–121
20. S. Gavalas, **E. Gagaoudakis**, D. Katerinopoulou, V. Petromichelaki, S. Wight, G. Wotring, E. Aperathitis, G. Kiriakidis, V. Binas «Vanadium oxide nanostructured thin films prepared by Aerosol Spray Pyrolysis for gas sensing and thermochromic applications» *Materials Science in Semiconductor Processing* 89 (2019) 116–120
21. V. Kampylafka, A. Kostopoulos, M. Modreanu, M. Schmidt, **E. Gagaoudakis**, K. Tsagaraki, V. Kontomitrou, G. Konstantinidis, G. Deligeorgis, G. Kiriakidis, E. Aperathitis «Long-term stability of

transparent n/p ZnO homojunctions grown by rf-sputtering at room-temperature» JMAT 197 (2019) <https://doi.org/10.1016/j.jmat.2019.02.006>

22. Michalis Xygkis, **Emmanouil Gagaoudakis**, Leila Zouridi, Olga Markaki, Elias Aperathitis, Kyriaki Chrissopoulou, George Kiriakidis and Vassilios Binas «Thermochromic Behavior of VO₂/Polymer Nanocomposites for Energy Saving Coatings» Coatings (2019) 9 163 doi:10.3390/coatings9030163
23. E. Petromichelaki, **E. Gagaoudakis**, K. Moschovis, L. Tsetseris, T. D. Anthopoulos, G. Kiriakidis and V. Binas «Highly sensitive and ultra-low Room Temperature O₃ detection by self-powered sensing elements of Cu₂O nanocubes» Nanoscale Adv., 2019, 1, 2009–2017 <http://dx.doi.org/10.1039/C9NA00043G>
24. K. Brintakis, **E. Gagaoudakis**, A. Kostopoulou, V. Faka, A. Argyrou, V. Binas, G. Kiriakidis and E. Stratakis «Ligand-free all-inorganic metal halide nanocubes for fast, ultra-sensitive and self-powered ozone sensors» Nanoscale Adv., 2019, 1, 2699–2706 DOI: 10.1039/c9na00219g
25. M. Moschogiannaki, L. Zouridi, J. Sukunta, S. Phanichphant, **E. Gagaoudakis**, C. Liewhiran, G. Kiriakidis, V. Binas «High performance hydrogen gas sensors based on PdO-decorated p-type CoV₂O₆ nanoparticles» Sensors & Actuators: B. Chemical 324 (2020) 128744 <https://doi.org/10.1016/j.snb.2020.128744>
26. V. Kampitakis, **E. Gagaoudakis**, D. Zappa, E. Comini, E. Aperathitis, A. Kostopoulos, G. Kiriakidis, V. Binas « Highly sensitive and selective NO₂ chemical sensors based on Al doped NiO thin films» Materials Science in Semiconductor Processing 115 (2020) 105149 <https://doi.org/10.1016/j.mssp.2020.105149>
27. **E. Gagaoudakis**, A. Panagiotopoulos, T. Maksudov, M. Moschogiannaki, D. Katerinopoulou, G. Kakavelakis, G. Kiriakidis, V. Binas, E. Kymakis and K. Petridis «Self-powered, flexible and room temperature operated solution processed hybrid metal halide p-type sensing element for efficient hydrogen detection» J. Phys.: Mater. 3 (2020) 014010 <https://doi.org/10.1088/2515-7639/ab60c3>
28. **E. Gagaoudakis**, G. Michail, D. Katerinopoulou, K. Moschovis, E. Iliopoulos, G. Kiriakidis, V. Binas, E. Aperathitis «Transparent p-type NiO:Al thin films as room temperature hydrogen and methane gas sensors» Materials Science in Semiconductor Processing 109 (2020) 104922 <https://doi.org/10.1016/j.mssp.2020.104922>
29. **E. Gagaoudakis**, E. Aperathitis, G. Michail, G. Kiriakidis, V. Binas «Sputtered VO₂ coatings on commercial glass substrates for smart glazing applications» Solar Energy Materials & Solar Cells 220 (2021) 110845 <https://doi.org/10.1016/j.solmat.2020.110845>
30. Athanasios Paralikis, **Emmanouil Gagaoudakis**, Viktoras Kampitakis, Elias Aperathitis, George Kiriakidis and Vassilios Binas «Study on the Ozone Gas Sensing Properties of Rf-Sputtered Al-Doped NiO Films» Appl. Sci. 2021, 11, 3104 <https://doi.org/10.3390/app11073104>
31. O. Marantos, V. Binas, M. Moschogiannaki, **E. Gagaoudakis**, G. Kiriakidis, A. Klini «Titanate-PMMA composites in photoluminescence based oxygen sensing» Materials Science in Semiconductor Processing 133 (2021) 105942 <https://doi.org/10.1016/j.mssp.2021.105942>
32. Argyrou A., Brintakis K., Kostopoulou A., **Gagaoudakis E.**, Demeridou I., Binas V., Kiriakidis G., Stratakis E. “Highly sensitive ozone and hydrogen sensors based on perovskite microcrystals directly grown on electrodes” Journal of Materiomics (2021) <https://doi.org/10.1016/j.jmat.2021.07.002>
33. Dimitris Karanikolopoulos, **Emmanouil Gagaoudakis**, Sotiris Droulias, Dimitrios Louloudakis, Kyriakos Mouratis, Maria Polychronaki, Georgios E. Katsoprinakis, Elias Aperathitis, Dimitra Vernardou, Vassilis Binas, Constantinos Kalpouzos, George Kiriakidis, Emmanuel Koudoumas, Alexandros Lappas, Panagiotis Loukakos “Influence of Mg-doping on the ultrafast electron

dynamics of VO₂ films” Applied Physics A (2021) 127:751 <https://doi.org/10.1007/s00339-021-04886-y>

34. Viktoras Kabitakis, **Emmanouil Gagaoudakis**, Marilena Moschogiannaki, George Kiriakidis, Akmaral Seitkhan, Yuliar Firdaus, Hendrik Faber, Emre Yengel, Kalaivanan Loganathan, George Deligeorgis, Leonidas Tsetseris, Thomas D. Anthopoulos, and Vassilios Binas “A Low-Power CuSCN Hydrogen Sensor Operating Reversibly at Room Temperature” Adv. Funct. Mater. 2021, 2102635 DOI: 10.1002/adfm.202102635
 35. M. Moschogiannaki, **E. Gagaoudakis**, G. Kiriakidis, V. Binas “Effect of the deposition method and substrate on an ultra-stable CoV₂O₆ hydrogen gas sensor, operating at room temperature” Microelectronic Engineering 262 (2022) 111819 <https://doi.org/10.1016/j.mee.2022.111819>
 36. **Emmanouil Gagaoudakis**, Viktor Kampitakis, Marilena Moschogiannaki, Angeliki Sfakianou, Thomas Anthopoulos, Leonidas Tsetseris, George Kiriakidis, George Deligeorgis, Fabrice Iacovella, Vasileios Binas “Low-energy consumption CuSCN-based ultra-low-ppb level ozone sensor, operating at room temperature” Sensors & Actuators: A. Physical 338 (2022) 113462 <https://doi.org/10.1016/j.sna.2022.113462>
 37. E. Christaki, E. Vasilaki, **E. Gagaoudakis**, V. Binas, M. Vamvakaki, A. Klini “Room temperature optical detection of ultra-low ozone concentration using photoluminescent ZnO nanohybrids” Sensors & Actuators: B. Chemical 359 (2022) 131614 <https://doi.org/10.1016/j.snb.2022.131614>
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Participation in Conferences

1. **E. Gagaoudakis**, K. Moschovis, E. Chatzitheodoridis, G. Kiriakidis, S. Mailis, E. Tzamali, N. A. Vainos, H. Fritzsche, “Study of the optical recording in Indium oxide films”, 14th Panhellenic Conference of Solid State Physics, Ioannina, 1998
2. **E. Gagaoudakis**, K. Moschovis, G. Kiriakidis, S. Pissadakis, S. Mailis, L. Reekie, R.W. Eason, N. A. Vainos “Birefringence of Indium oxide thin films in the presence excimer laser (193 nm) radiation”, 14th Panhellenic Conference of Solid State Physics, Ioannina, 1998
3. **E. Gagaoudakis**, K. Moschovis, C. Xirouchaki, N. Katsarakis, M. Bender, D. Norman, G. Kiriakidis, “Characterization of Indium oxide films by Auger spectroscopy, Transmittance Electron Microscopy and Electron Diffraction”, 15th Panhellenic Conference of Solid State Physics, Patra, 1999
4. **E. Gagaoudakis**, M. Bender, N. Katsarakis, V. Cimalla, E. Hourdakis, J. M. Garcia, G. Kiriakidis, “Study of the photoreduction and oxidation procedures in Indium oxide films”, 16th Panhellenic Conference of Solid State Physics, Nafplio, 2000
5. G. Kiriakidis, M. Bender, N. Katsarakis, **E. Gagaoudakis**, E. Hourdakis, E. Douloufakis, V. Cimalla, Ozone sensing properties of polycrystalline Indium oxide films at room temperature, New Materials for Multifunctional Sensor Applications, Munich 2000
6. M. Bender, **E. Gagaoudakis**, E. Douloufakis, E. Natsakou, N. Katsarakis, V. Cimalla, G. Kiriakidis, E. Fortunato, P. Nunes, A. Marques, R. Martins, Production and characterization of Zinc oxide thin films for temperature ozone sensing, 3rd European School of “NOSE” network, Italy 2001
7. **E. Gagaoudakis**, M. Bender, E. Douloufakis, N. Katsarakis, E. Natsakou, G. Kiriakidis, “Comparative study of Indium oxide and Zinc oxide films against ozone gas detection at room temperature”, 17th Panhellenic Conference of Solid State Physics, Xanthi, 2001
8. N. Katsarakis, M. Sucheia, M. Nikolopoulou, S. Christoulakis, K. Moschovis, **E. Gagaoudakis**, M. Katharakis, G. Kiriakidis, “Conductivity changes of Indium oxide films as function of thickness and UV irradiation”, 21st Panhellenic Conference of Solid State Physics, Thessaloniki, 2004

9. **E. Gagaoudakis**, I. Kortidis, K. Moschovis, I. Michael, V. Kampylafka, E. Aperathitis, M. Androulidaki, K. Tsagaraki and G. Kiriakidis, Gas sensing properties of thin film nickel aluminate spinel, Fifth International Conference on Micro - Nanoelectronics, Nanotechnologies and MEMS "Micro&Nano2012", Heraklion
10. **E. Gagaoudakis**, G. Michael, V. Kampylafka, K. Tsagaraki, E. Aperathitis, I. Kortidis, I. Michaelides, K. Moschovis, G. Kiriakidis, Sputtered NiO thin films as gas sensor material, TCM 2012, 4th International Symposium on Transparent Conductive Materials, Crete
11. **E. Gagaoudakis**, I. Kortidis, G. Michael, V. Kampylafka, K. Tsagaraki, E. Iliopoulos, E. Aperathitis and G. Kiriakidis, RF Sputtered NiO as p-type Gas Sensor, 29^o ΠΣΦΣΚΕΥ, Αθήνα, Σεπτέμβριος 2013
12. **E. Gagaoudakis**, V. Kampylafka, E. Aperathitis, I. Kortidis, V. Binas, D. Vernardou, D. Louloudakis, E. Spanakis, N. Katsarakis, E. Koudoumas, G. Iliadis and G. Kiriakidis, Thermo-chromic Properties of VO₂ Films Grown by RF Sputtering and APCVD, 29^o ΠΣΦΣΚΕΥ, Αθήνα, Σεπτέμβριος 2013
13. G. Michael, **E. Gagaoudakis**, V. Kampylafka, G. Kortidis, K. Tsagaraki, V. Binas, E. Aperathitis and G. Kiriakidis, Fabrication of Low Temperature / High Transparency Nickel Aluminate Spinel Films by rf-Sputtering, E-MRS, Fall Meeting, November 2013
14. **E. Gagaoudakis**, Vicky Kampylafka, V. Binas, Elias Aperathitis, D. Vernardou, D. Louloudakis, E. Spanakis, N. Katsarakis, E. Koudoumas, G. Iliadis and G. Kiriakidis, Thermo-chromic VO₂ layers grown by APCVD and Sputtering techniques, E-MRS, Fall Meeting, November 2013
15. M. Panagopoulou, **E. Gagaoudakis**, N. Boukos, E. Aperathitis, G. Kiriakidis, D. Tsoukalas, Y.S. Raptis, G. Iliadis, Study of structural and optical properties of W- and Mg-co-sputtered VO₂ thin layers, for thermo-chromic applications, E-MRS, Spring Meeting, May 2014
16. Binas V., Noshchenko O., Kuscer D., **Gagaoudakis E.**, Malic B., Kiriakidis G., UV Sensor by Inkjet Printing Technology, E-MRS, Spring Meeting, May 2014
17. M. Panagopoulou, D. Tsoukalas, Y. Raptis, D. Louloudakis, D. Vernardou, E. Spanakis, N. Katsarakis, E. Koudoumas, **E. Gagaoudakis**, G. Michail, V. Kampylafka, E. Aperathitis, G. Kiriakidis, Study on the properties of VO₂ as thermo-chromic coating for smart windows, 30th Panhellenic Conference of Solid State Physics and Materials Science, 2014, Heraklion, Crete
18. **E. Gagaoudakis**, M. Panagopoulou, I. Kortidis, G. Michail, N. Vourdas, E. Aperathitis, D. Tsoukalas, Y. S. Raptis, G. Kiriakidis, RF sputtering of VO₂ films – T_{growth}-, Substrate-, and Doping-Effects, oral presentation 5th IS-TCM, 2014, Chania, Crete
19. M. Panagopoulou, **E. Gagaoudakis**, V. Kampylafka, G. Michail, N. Boukos, E. Aperathitis, G. Kiriakidis, D. Tsoukalas, Y.S. Raptis, The effect of buffer layer on the thermo-chromic properties of undoped and W-Mg-doped RF-sputtered VO₂ thin films, 5th IS-TCM, 2014, Chania, Crete
20. D. Louloudakis, D. Vernardou, E. Spanakis, N. Katsarakis, E. Koudoumas, **E. Gagaoudakis**, E. Aperathitis, G. Kiriakidis, Effect of Antireflection TiO₂ layer on the Thermo-chromic Performance of Vanadium Dioxide, 5th IS-TCM, 2014, Chania, Crete
21. **E. Gagaoudakis**, I. Kortidis, V. Binas, G. Michail, E. Aperathitis, G. Kiriakidis, Study of low temperature rf sputtered vanadium dioxide thermo-chromic films, E-MRS – SPRING MEETING – 2015 SYMPOSIUM N
22. **E. Gagaoudakis**, E. Aperathitis, G. Michail and G. Kiriakidis, Thermo-chromic VO₂ thin films as coatings for smart windows, EUROMAT 2015 Warsaw, Poland
23. **E. Gagaoudakis**, E. Aperathitis, G. Michail, I. Kortidis, V. Binas, M. Panagopoulou, Y. S. Raptis, D. Tsoukalas and G. Kiriakidis «Study of thermo-chromic VO₂ films deposited on rigid and flexible glass substrate» E-MRS – SPRING MEETING – 2016
24. Katerinopoulou D., Moschovis K., **Gagaoudakis E.**, Aperathitis E., Binas V., Kiriakidis G. «ZnO ozone sensing in the ppb range operating at room temperature» E-MRS – SPRING MEETING – 2016

25. L. Zouridi, E. Aperathitis, **E. Gagaoudakis**, G. Kiriakidis, V. Binas «Solution based thermochromic VO₂ particles for energy saving applications» E-MRS – SPRING MEETING – 2016
26. **E. Gagaoudakis**, E. Aperathitis, V. Binas, E. Koudoumas, K. Siderakis, G. Kiriakidis «Study of thermochromic VO₂ material as thermal switch for power lines», 51th UPEC, 2016, Portugal
27. **E. Gagaoudakis**, G. Michail, E. Aperathitis, V. Binas, M. Eleftheriou, E. Poulakis, G. Kiriakidis «Low Temperature RF-Sputtered VO₂ Thermochromic Films for Smart Window Applications», oral presentation, 6th IS-TCM, 2016, Chania, Crete
28. S. Gavalas, **E. Gagaoudakis**, E. Aperathitis, V. Binas, G. Kiriakidis «Synthesis of vanadium dioxide thin films with the Aerosol Spray Pyrolysis technique», poster, 6th IS-TCM, 2016, Chania, Crete
29. E. Petromichelaki, V. Binas, **E. Gagaoudakis**, E. Lempidaki, G. Kiriakidis «Solution based Cu₂O nanocubes for gas sensor applications», poster, 6th IS-TCM, 2016, Chania, Crete
30. D. Katerinopoulou, K. Moschovis, **E. Gagaoudakis**, E. Aperathitis, V. Binas, G. Kiriakidis «DC Sputtered ZnO ozone sensors for ultra-low limits detection operating at room temperature», poster, 6th IS-TCM, 2016, Chania, Crete
31. S. Gavalas, **E. Gagaoudakis**, E. Aperathitis, G. Kiriakidis, V. Binas, «Vanadium Oxide nanostructure thin films by Aerosol Spray Pyrolysis for gas sensing and thermochromic applications», poster, E-MRS – SPRING MEETING – 2017
32. V. Petromichelaki, **E. Gagaoudakis**, G. Kiriakidis, V. Binas «Solution based Cu₂O nanocubes as O₃ sensing material», poster, E-MRS – SPRING MEETING – 2017
33. **E. Gagaoudakis**, E. Aperathitis, V. Binas, L. Zouridi, O. Markaki, G. Kiriakidis «Transmission lines thermal switches utilizing novel phase changing materials», 52th UPEC, 2016, Crete Greece
34. **E. Gagaoudakis**, V. Binas, L. Zouridi, O. Markaki, E. Aperathitis, G. Kiriakidis, «A comparable study of thermochromic VO₂ films grown by sputtering and hydrothermal synthesis techniques», EUROMAT 2017, THESSALONIKI GREECE
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