

Argyro Klini, PhD

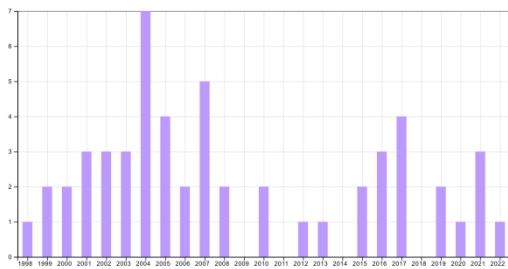
PERSONAL INFORMATION

Name: Argyro Klini
Marital status: Married, two children
Work Address: Institute of Electronic Structure and Laser (IESL)
Foundation for Research and Technology - Hellas (FORTH)
P.O. Box 1385, GR 71110, Heraklion, Crete, Greece
Tel: +30-2810-391956, 6937 604860
E-mail: klini@iesl.forth.gr

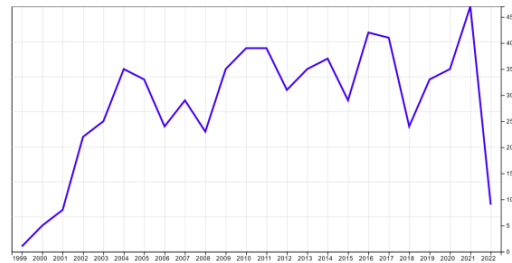
WEB of SCIENCE DATA (April, 2022)

Papers: 56, Citations: 681 (non-self: 633), h-index: 16

Researcher ID page: <http://www.researcherid.com/rid/A-2423-2014>



Publication distribution per year.



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1. Academic Qualifications

10/2006-10/2013 Ph.D. in Physical Chemistry, Chemistry Dept., University of Crete, Heraklion Crete, Greece

Thesis: Growth, properties and applications of ZnO nanostructures

Supervisor: Prof. Demetrios Anglos

09/2002-11/2004 M.Sc. in Applied Molecular Spectroscopy, Chemistry Dept., University of Crete, Heraklion Crete, Greece.

Thesis: Growth of ZnO thin films by UV pulsed laser ablation. Study of plume dynamics

Supervisor: Prof. Demetrios Anglos

09/1986-03/1991 B.Sc. in Physics, Physics Dept., University of Crete, Heraklion Crete, Greece.

2. Working Experience

01/04/2017-today	Principal Application Scientist (Grade B')	IESL-FORTH
01/01/2000-31/03/2017	Technical Research staff (open-ended contract)	IESL-FORTH
01/06/2005-31/08/2005	Laurence Berkeley National Laboratory, Environmental Energy Technologies Division, Advanced Energy Technologies Department (CA, USA)	

01/01/1994-31/01/1999 Association for Research Technology and Training (ARTT-FORTH)
 01/12/1991-31/12/1993 Scholarship of Foundation for Research Technology Hellas IESL-FORTH

3. Research Interests and Experience

- Photoluminescence spectroscopy for gas sensing applications
- Optical Emission Spectroscopy-OES
- Growth of micro-patterned structures by the use of Laser Induced Forward Transfer (LIFT) technique
Metals: Zn, Au, Cr; Oxides: InO_x, ZnO nanorods, TiO₂
- Thin film growth by the use of laser based techniques (Laser Chemical Vapor Deposition-LCVD, Pulsed Laser Deposition-PLD) on substrates with flat or cylindrical geometry (optical fibers)
Metals: Mo, W, Al, Zn, Cu, Pb; ceramics: CN_x, AlN, SiC; magnetic materials: NiMnSb; oxides: ZnO, Er:YAG, Er:YAP, KGW, La_{0.5}Sr_{0.5}CoO₃, LaNi_{1-x}Co_xO₃, YSZ, TiO₂
- Micromachining material processing
Fiber tip fabrication for Photon Scanning Tunneling Microscope (PSTM)

4. Project Coordination

1. "Novel thin film materials fabricated by femtosecond and nanosecond laser technology", Bilateral agreement Greece- Czech Republic (2003-2005)
2. "Pulsed Laser Deposition of Novel Materials", Bilateral agreement Greece-Romania (2000- 2002)
3. "Intereuropean pulsed laser deposition network for novel materials", INCO COPERNICUS IC15- CT98-0807
4. "Reactive pulsed laser deposition of high quality thin films of metal and semiconductor oxides, nitrides", Bilateral agreement Greece-Romania (1998-2000)
5. "Materials and laser technology for biomedical applications", Bilateral agreement Greece-Czech Republic (1998-2000)

5. Participation in Research Projects

1. NPRP-S No.: NPRP11S-1128-170042, "Advanced 3D-sculptured materials for catalysis"
2. THALES, Na(Zn)Owire (MIS 380252), "Feasibility studies on novel nanostructures of ZnO and their applications in nanophotonics and energy conversion: Experimental and theoretical approach"
3. POLYDIAGNO (11SYN-7-1503), "INVESTIGATION OF THE PERFORMANCE OF POLYMER BASED OUTDOOR INSULATORS USED IN HIGH VOLTAGE APPLICATIONS AND DEVELOPMENT OF A REMOTE AND REAL TIME DIAGNOSTIC TECHNIQUE FOR THE EVALUATION OF THEIR FUNCTIONALITY"
4. Ultraviolet Laser Facility "Access to Research Infrastructures" project, from 1993 up to the latest "Laserlab Europe-III" of Grant Agreement No 284464 (7 Programs)
5. Marie Curie Conferences and Training Courses (SCF/LCF), "7th International Conference on Laser Ablation -COLA' 03"
6. INCO COPERNICUS IC15-CT98-0807 "Intereuropean pulsed laser deposition network for novel materials"
7. BR PR/ CT 96-0181, "Monitoring On-Line Integrated Technologies for Operational Reliability" (MONITOR)
8. BCR/MAT1-CT 9400027, "Instrumentation for the local measurement of Refractivity and Dopant Concentration in optical Fibres and performs" (FRED)
9. BRITE/ EURAM BE 3153, "Plasma and Laser Induced Vapor Deposition of Hermetic Coatings on Optical Fibres" (PLAID)

6. Publications Scientific Journals (peer reviewed)

1. "Room temperature optical detection of ultra-low ozone concentration using photoluminescent ZnO nanohybrids" E. Christaki, E. Vasilaki, E. Gagaoudakis, V. Binas, M. Vamvakaki, A. Klini, Sensors Actuators B. Chem. 359, 131614 (2022). <https://doi.org/10.1016/j.snb.2022.131614>.

2. "Electrodeposited laser – nanostructured electrodes for increased hydrogen production," I.A. Poimenidis, N. Papakosta, A. Manousaki, A. Klini, M. Farsari, S.D. Moustazis, P.A. Loukakos, *Int. J. Hydrogen Energy* 47 9527 (2022). <https://doi.org/10.1016/j.ijhydene.2022.01.062>.
3. "Enhanced hydrogen production through alkaline electrolysis using laser-nanostructured nickel electrodes," I.A. Poimenidis, M.D. Tsanakas, N. Papakosta, A. Klini, M. Farsari, S.D. Moustazis, P.A. Loukakos, *Int. J. Hydrogen Energy* 46, 37162 (2021). <https://doi.org/10.1016/j.ijhydene.2021.09.010>.
4. "Titanate-PMMA composites in photoluminescence based oxygen sensing," O. Marantos, V. Binas, M. Moschogiannaki, E. Gagaoudakis, G. Kiriakidis, A. Klini, *Mat. Sci. Semicon. Proc.* 133, 105942 (2021). DOI: <https://doi.org/10.1016/j.mssp.2021.105942>
5. "Environment induced reversible modulation of optical and electronic properties of lead halide perovskites and possible applications to sensor development: a review", M.L. De Giorgi, S. Milanese, A. Klini, M. Anni, *Molecules* 26, 705 (2021). DOI: <https://doi.org/10.3390/molecules26030705>
6. "Assessing the type and quality of high voltage composite outdoor insulators by remote LIBS analysis: A feasibility study," O. Kokkinaki, A. Klini, M. Polychronaki, N.C. Mavrikakis, K.G. Siderakis, E. Koudoumas, D. Pylarinos, E. Thalassinakis, K. Kalpouzos, D. Anglos, *Spectrochim. Acta Part B* 165, 105768 (2020). DOI: <https://doi.org/10.1016/j.sab.2020.105768>
7. "Low Energy Pulsed Laser Excitation in UV Enhances the Gas Sensing Capacity of Photoluminescent ZnO Nanohybrids", A. Klini, M. Androulidaki, D. Anglos, *Sensors* 19, 5490 (2019). DOI: 10.3390/s19245490
8. "Physical insight in the fluence-dependent distributions of Au nanoparticles produced by sub-picosecond UV pulsed laser ablation of a solid target in vacuum environment", A. Taurino, M. Catalano, V. Resta, A. Klini, F. Gontad, *Appl. Surf. Sci.* 480, 330-340 (2019). DOI: <https://doi.org/10.1016/j.apsusc.2019.02.022>
9. "Droplet distribution during sub-picosecond laser deposition of gold nanoparticles", F. Gontad, M. Cesaria, **A. Klini**, A. Manousaki, A. Perrone, and A.P. Caricato, *Appl. Surf. Sci.* 419, 603 (2017). DOI: 10.1016/j.apsusc.2017.05.106.
10. "Decoration of silica nanowires with gold nanoparticles through ultra-short pulsed laser deposition", F. Gontad, A.P. Caricato, M. Cesaria, V. Restaa, A. Taurino, A. Colombelli, C. Leoa, **A. Klini**, A. Manousaki, A. Convertino, R. Rellad, M. Martino, A. Perrone, *Appl. Surf. Sci.* 418, 430-436 (2017). DOI: 10.1016/j.apsusc.2017.02.032.
11. "3D patterning of ZnO nanostructures", A.N. Giakoumaki, G. Kenanakis, **A. Klini**, M. Androulidaki, Z. Viskadourakis, M. Farsari, and A. Selimis, *Mater. Today* 20, 392 (2017). DOI: 10.1016/j.mattod.2017.07.003
12. "3D micro-structured arrays of ZnO nanorods", A.N. Giakoumaki, G. Kenanakis, A. Klini, M. Androulidaki, Z. Viskadourakis, M. Farsari, and A. Selimis, *Sci. Rep.* 7, 2100 (2017). DOI: 10.1038/s41598-017-02231-z.
13. "Morphology and Structure of Nb Thin Films Grown by Pulsed Laser at Different Substrate Temperatures", F. Gontad, A. Lorusso, A. Manousaki, A. Klini, and A. Perrone, *J. Mater. Sci. Technol.* 32, 1192 (2016). DOI: 10.1016/j.jmst.2016.10.005.
14. "Fabrication of Nb/Pb structures through ultrashort pulsed laser deposition", F. Gontad, A. Lorusso, **A. Klini**, E. Broitman, A. Perrone, C. Fotakis, *J. Vac. Sci. Technol. A* 34, 041501-1 (2016). DOI: 10.1116/1.4948529.
15. "3D plasmonic transducer based on gold nanoparticles produced by laser ablation on silica nanowires", F. Gontad, A.P. Caricato, M.G. Manera, A. Colombelli, V. Resta, A. Taurino, M. Cesaria, C. Leo, A. Convertino, **A. Klini**, A. Perrone, R. Rella, M. Martino, *Appl. Phys. A* 122, 539 (2016). DOI: 10.1007/s00339-016-0063-2.
16. "Growth of poly-crystalline Cu films on Y substrates by picosecond pulsed laser deposition for photocathode applications", F. Gontad, A. Lorusso, **A. Klini**, A. Manousaki, A. Perrone, C. Fotakis. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 799, 70 (2015). DOI: 10.1016/j.nima.2015.07.041.
17. "ZnO-PDMS Nanohybrids: A novel optical sensing platform for ethanol vapor detection at room temperature", **A. Klini**, S. Pissadakis, R.N. Das, E.P. Giannelis, S.H. Anastasiadis, D. Anglos, *J. Phys. Chem. C* 119, 623 (2015). DOI: 10.1021/jp506632d.

18. "Picosecond and subpicosecond pulsed laser deposition of Pb thin films", F. Gontad, A. Lorusso, **A. Klini**, A. Loufardaki, M. Panareo, C. Fotakis, A. Perrone, Phys. Rev. Spec. Top. - AC 16, 093401 (2013). DOI: 10.1103/PhysRevSTAB.16.093401.
19. "An ethanol vapor detection probe based on a ZnO nanorod coated optical fiber long period grating", M. Konstantaki, **A. Klini**, D. Anglos, S. Pissadakis, Opt. Express 20, 8472 (2012). DOI: 10.1364/OE.20.008472
20. "Femtosecond laser deposition of TiO₂ by laser induced forward transfer", M. Sanz, M. Walczak, M. Oujja, C. Domingo, **A. Klini**, E.L. Papadopoulou, M. Castillejo, Thin Solid Films 518, 5525 (2010). DOI: 10.1016/j.tsf.2010.04.057
21. "Tuning spectral properties of ultrafast laser ablation plasmas from brass using adaptive temporal pulse shaping", M. Guillermin, **A. Klini**, J.P. Colombier, F. Garrelie, D. Gray, C. Liebig, E. Audouard, C. Fotakis, R. Stoian, Opt. Express 18, 11159 (2010). DOI: 10.1364/OE.18.011159
22. "Laser Induced Forward Transfer of metals by temporally shaped femtosecond laser pulses", **A. Klini**, P.A. Loukakos, D. Gray, A. Manousaki, C. Fotakis, Opt. Express 16, 11300 (2008). DOI: 10.1364/OE.16.011300
23. "Transition of crystalline orientation of yttria-stabilized zirconia films grown by pulsed laser deposition", X. Zhang, P. Berdahl, **A. Klini**, C. Fotakis, S.S. Mao, Appl. Phys. A 91, 407 (2008). DOI: 10.1007/s00339-008-4475-5
24. "Directed cell growth on Laser-Transferred 2D Biomaterial Matrices", A. Nógrádi, B. Hopp, T. Smausz, G. Kecskeméti, Z. Bor, L. Kolozsvári, A. Szabó, **A. Klini**, C. Fotakis, Open Tissue Engineering & Regenerative Medicine Journal 1, 1 (2008). DOI: 10.2174/1875043500801010001
25. "Deposition of thin films for sensors by pulsed laser ablation of iron and chromium silicide targets", A.P. Caricato, A. Luches, F. Romano, S. A. Mulenko, Y.V. Kudryavtsev, N.T. Gorbachuk, C. Fotakis, E.L. Papadopoulou, **R. Klini**, Appl. Surf. Sci. 254, 1288 (2007). DOI: 10.1016/j.apsusc.2007.09.025
26. "Laser patterning of Zn for ZnO nanostructure growth: Comparison between laser induced forward transfer in air and in vacuum", F. Claeysens, **A. Klini**, A. Mourka, C. Fotakis, Thin Solid Films 515, 8529 (2007). DOI: 10.1016/j.tsf.2007.03.135
27. "Double-peak droplet mass distribution observed during sub-ps laser ablation of Si targets", L. Cultrera, A. Dima, A. Perrone, D. Pisignano, R. Cingolani, **A. Klini**, Appl. Phys. A 88, 435 (2007). DOI: 10.1007/s00339-007-4010-0
28. "Femtosecond pulsed laser deposition of biological and biocompatible thin layers", B. Hopp, T. Smausz, G. Kecskeméti, **A. Klini**, Zs. Bor, Appl. Surf. Sci. 253, 7806 (2007). DOI: 10.1016/j.apsusc.2007.02.102
29. "ZnO nanorod micropatterning via laser-induced forward transfer", **A. Klini**, A. Mourka, V. Dinca, C. Fotakis, F. Claeysens, Appl. Phys. A 87, 17 (2007). DOI: 10.1007/s00339-006-3811-x
30. "Growth and characterization of beta-SiC films obtained by fs laser ablation", C. Ghica, C. Ristoscu, G. Socol, D. Brodoceanu, L.C. Nistor, I.N. Mihailescu, **A. Klini**, C. Fotakis, Appl. Surf. Sci. 252, 4672 (2006). DOI: 10.1016/j.apsusc.2005.07.087
31. "Femtosecond pulse shaping for phase and morphology control in PLD: Synthesis of cubic SiC", C. Ristoscu, G. Socol, C. Ghica, I.N. Mihailescu, D. Gray, **A. Klini**, A. Manousaki, D. Anglos, C. Fotakis, Appl. Surf. Sci. 252, 4857 (2006). DOI: 10.1016/j.apsusc.2005.07.099
32. "Growth of ZnO thin films by UV pulsed laser ablation. Study of plume dynamics", **A. Klini**, A. Manousaki, D. Anglos, C. Fotakis, J. Appl. Phys. 98, 123301 (2005). DOI: 10.1063/1.2149498
33. "Erbium-doped waveguide fabrication via reactive pulsed laser deposition of erbium-doped oxyfluoride-silicate glass", R.R. Thomson, H.T. Bookey, A.K. Kar, M.R. Taghizadeh, **A. Klini**, C. Fotakis, E. Romano, A.P. Caricato, M. Martino, S. Shen, A. Jha, Elec. Lett. 41, 1376 (2005). DOI: 10.1049/el:20053203
34. "Subpicosecond and enhanced nanosecond PLD to grow ZnO films in nitrogen ambient", M. Jelinek, **A. Klini**, T. Kocourek, R. Zeipl, A. Santoni, C. Fotakis, E. Kaminska, Surf. & Coat. Tech. 200, 418 (2005). DOI: 10.1016/j.sufcoat.2005.02.020
35. "Detailed studies of the plume deflection effect during sub-ps laser ablation of Si target", A. Dima, A. Perrone, **A. Klini**, Appl. Surf. Sci. 247, 38 (2005). DOI: 10.1016/j.apsusc.2005.01.170

36. "Growth of polycrystalline $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ films by femtosecond pulsed laser deposition", D. Brodoceanu, A. Manousaki, I. Zergioti, **A. Klini**, M. Dinescu, C. Fotakis, *Appl. Phys. A* 79, 911 (2004). DOI: 10.1007/s00339-004-2824-6
37. "Effects of pulse laser duration and ambient nitrogen pressure in PLD of AlN", C. Ristoscu, E. Gyorgy, I.N. Mihailescu, **A. Klini**, V. Zorba, C. Fotakis, *Appl. Phys. A* 79, 927 (2004). DOI: 10.1007/s00339-004-2857-x
38. "Bonding configurations in amorphous carbon and nitrogenated carbon films synthesized by femtosecond laser deposition", S.S. Roy, P. Papakonstantinou, R. McCann, J. McLaughlin, **A. Klini**, N. Papadogiannis, *Appl. Phys. A* 79, 1009 (2004). DOI: 10.1007/s00339-004-2616-z
39. "Metal/metal-oxide/metal etalon structures grown by pulsed laser deposition", N.A. Vainos, A. Tsigara, J. Manasis, A. Giannoudakos, G. Mousdis, N. Vakakis, M. Kompitsas, **A. Klini**, F. Roubani-Kalantzoglou, *Appl. Phys. A* 79, 1395 (2004). DOI: 10.1007/s00339-004-2791-y
40. "Growth of polycrystalline $\text{LaNi}_{1-x}\text{Co}_x\text{O}_3$ ($x=0.3, 0.5$) thin films on Si (100) by pulsed laser deposition", J. Androulakis, **A. Klini**, A. Manousaki, G. Violakis, J. Giapintzakis, *Appl. Phys. A* 79, 671 (2004). DOI: 10.1007/s00339-003-2177-6
41. "Properties of Er-doped layers grown from Er : YAG (YAP) crystalline targets by sub-picosecond laser deposition", M. Jelinek, **A. Klini**, J. Oswald, V. Studnika, C. Fotakis, A. Mackova, *Laser Phys. Lett.* 1, 248 (2004). DOI: 10.1002/lapl.200310059
42. "Surface morphology studies of sub-ps pulsed laser deposited AlN thin film", E. Gyorgy, V.S. Teodorescu, I.N. Mihailescu, **A. Klini**, V. Zorba, A. Manousaki, C. Fotakis, *J. Mater. Res.* 19, 820 (2004). DOI: 10.1557/jmr.2004.19.3.820
43. "Dependence of morphology of AlN Thin Films on laser irradiation in Pulsed Laser Deposition", V. Zorba, **A. Klini**, E. Gyorgy, C. Ristoscu, V.S. Teodorescu, I.N. Mihailescu, and C. Fotakis, *Laser Phys.* 13, 13295 (2003).
44. "Surface particularities in pulsed laser ablation/ deposition of the ferromagnetic alloy NiMnSb", C.E.A. Grigorescu, S.A. Manea, O. Monnereau, R. Notonier, L. Tortet, R. Keschawarz, J. Giapintzakis, **A. Klini**, V. Zorba, J. Androulakis, C. Fotakis, *Appl. Surf. Sci.* 78, 212 (2003). DOI: 10.1016/S0169-4332(03)00404-5
45. "Optical emission spectroscopy and time-of-flight investigations of plasmas generated from AlN targets in cases of pulsed laser deposition with sub-ps and ns ultraviolet laser pulses", C. Ristoscu, I.N. Mihailescu, M. Velegrakis, M. Massauti, **A. Klini**, C. Fotakis, *J. Appl. Phys.* 93, 2244 (2003). DOI: 10.1063/1.1539537
46. "Deposition of Er:YAG (YAP) layers by subpicosecond and nanosecond KrF excimer laser ablation", M. Jelinek, **A. Klini**, C. Grivas, J. Lančok, V. Studnička, J. Chval, A. Macková, C. Fotakis, *Appl. Surf. Sci.* 197-198, 416 (2002). DOI: 10.1016/S0169-4332(02)00352-5
47. "Pulsed-laser deposition of NiMnSb thin films at moderate temperatures", J. Giapintzakis, C. Grigorescu, **A. Klini**, A. Manousaki, V. Zorba, J. Androulakis, Z. Viskadourakis, and C. Fotakis, *Appl. Surf. Sci.* 197, 421-425 (2002). DOI: 10.1016/S0169-4332(02)00353-7
48. "Low- temperature growth of NiMnSb thin films by pulsed laser deposition", J. Giapintzakis, C. Grigorescu, **A. Klini**, A. Manousaki, V. Zorba, J. Androulakis, Z. Viskadourakis, and C. Fotakis, *Appl. Phys. Lett.* 80, No 15, 2716 (2002). DOI: 10.1063/1.1469211
49. "Role of laser pulse duration and gas pressure in deposition of AlN thin films", E. Gyorgy, C. Ristoscu, I. Mihailescu, **A. Klini**, N. Vainos, C. Fotakis, C. Ghica, G. Schmerber, J. Faerber, *J. Appl. Phys.* 90, 456 (2001). DOI: 10.1063/1.1376417
50. "Chemical bonding and nanomechanical studies of carbon nitride films synthesized by reactive pulsed laser deposition", P. Papakonstantinou, D.A. Zeze, **A. Klini**, J. McLaughlin, *Diam. Relat. Mater.* 10, 1109 (2001). DOI: 10.1016/S0925-9635(00)00498-2
51. "Laser printing of active optical microstructures", G. Koundourakis, C. Rockstuhl, D. Papazoglou, **A. Klini**, I. Zergioti, N.A. Vainos, C. Fotakis, *Appl. Phys. Lett.* 78, 853 (2001). DOI: 10.1063/1.1348321
52. "Deposition of carbon nitride films by reactive sub- picosecond pulsed laser ablation", S. Acquaviva, A. Perrone, A. Zocco, **A. Klini**, C. Fotakis, *Thin Solid Films* 373, 266 (2000). [https://doi.org/10.1016/S0040-6090\(00\)01095-6](https://doi.org/10.1016/S0040-6090(00)01095-6)

53. "Growth of Nd:potassium gadolinium tungstate thin-film waveguides by pulsed laser deposition", P.A. Atanasov, R.I. Tomov, J. Perrière, R.W. Eason, N. Vainos, **A. Klini**, A. Zherikhin, E. Millon, Appl. Phys. Lett. 76, Issue 18, 2490 (2000). DOI: 10.1063/1.126385
54. "Optical characterization of CNx thin films deposited by Reactive Pulsed Laser Ablation", A. Zocco, A. Perrone, A. Luches, R. Rella, **A. Klini**, I. Zergioti, C. Fotakis, Thin Solid Films 349, 100 (1999). DOI: 10.1016/S0040-6090(99)00221-7
55. "Deposition of carbon nitride films by reactive pulsed- laser ablation at high fluences", A. Zocco, A. Perrone, E.D' Anna, D. Leggieri, A. Luches, **A. Klini**, I. Zergioti, C. Fotakis, Diam. Relat. Mater. 8, 582 (1999). DOI: 10.1016/S0925-9635(98)00357-4
56. "Reproducible optical fiber tips for photon scanning tunneling microscopy with very small (<50) cone angle", **A. Klini**, T. David, E. Bourillot, S. Emonil, P. Papadopoulos, J.P. Goudonnet, G. Kotrotsios, J. Lightwave Technol. 16, 1220, (1998). DOI: 10.1109/50.701400

7. Publications in conference proceedings (peer reviewed)

1. "An optical fiber long-period grating sensor for organic vapors utilizing a ZnO nanorod out-cladding", S. Pissadakis, D. Anglos, **A. Klini**, M. Konstantaki, IEEE, Lasers and Electro-Optics Europe (CLEO EUROPE/EQEC), CLEO EUROPE-EQEC 2011 Conference on and 12th European Quantum Electronics Conference, doi:10.1109/CLEOE.2011.5943255
2. "Long period optical fiber grating outcladding overlaid sensors: A versatile photonic platform for health and bio applications", **A. Klini**, M. Konstantaki, S. Pissadakis, D. Anglos, BioPhotonics, IEEE, 2011 International Workshop on, 1-3, doi:10.1109/IWBP.2011.5954850
3. "Role of laser pulse duration and ambient nitrogen pressure in deposition of AlN thin films", C. Ristoscu, C. G. Dorcioman, G. Socol, I. N. Mihailescu, **A. Klini**, C. Fotakis, Proc. SPIE 5581, ROMOPTO 2003: Seventh Conference on Optics, 356 (October 21 2004) doi:10.1117/12.582815
4. "Influence of pulse duration and annealing on crystallinity and luminescence of laser-deposited Er-doped YAG (YAP) layers", M. Jelinek, J. Oswald, V. Studnicka, J. Lancok, M. Pavelka, **A. Klini**, C. Fotakis, Proc. SPIE 4915, Lasers in Material Processing and Manufacturing, 310 (September 2002), doi:10.1117/12.482905
5. "Stoichiometry issues in pulsed laser deposition of the ferromagnetic alloy NiMnSb", C. E. A. Grigorescu, O. Monnereau, S.A. Manea, R. Notonier, **A. Klini**, V. Zorba, A. Manousaki, J. Giapintzakis, C. Fotakis, Proc. SPIE 4762, ALT'01 International Conference on Advanced Laser Technologies, 260 (August 9, 2002), doi:10.1117/12.478645

8. Patents

Greek patent (Ap.20010100176/1003869), "Method of fabrication of ferromagnetic inter-metallic films", **A. Klini**, I. Giapintzakis, C. Fotakis, C. Grigorescu, V. Zorba

10. Participation in conferences

1. "Room temperature sensing of ozone in ppb level, based on the Photoluminescence of ZnO", E. Christaki, E. Vasilaki, E. Gagaoudakis, V. Binas, M. Vamvakaki, A. Klini, Oral presentation, SPIE Photonics Europe 2022, Strasbourg, France (3-7 April 2022).
2. "Nanostructured Oxide Materials as Optical Sensor Platforms", A. Klini, O. Marantos, V. Binas, D. Anglos, Invited presentation, Advanced Architectures in Photonics 2018, Cambridge, UK (2-5 September 2018).
3. "ZnO-PDMS nanohybrids as an optical gas sensing platform", A. Klini, S. Pissadakis, R.N. Das, E.P. Giannelis, S.H. Anastasiadis, D. Anglos, Oral presentation, Advanced Architectures in Photonics 2016, Mykonos, Greece (25th-29th September 2016).
4. "Random Laser in ZnO Nanostructures", A. Klini, D. Anglos, Oral presentation, Advanced Architectures in Photonics 2016, Mykonos, Greece (25th-29th September 2016).
5. "Optical gas sensing at room temperature based on photoluminescent ZnO-PDMS hybrids", A. Klini, S. Pissadakis, R.N. Das, E.P. Giannelis, S.H. Anastasiadis, D. Anglos, Oral presentation H-8 1, European Materials Research Society Spring Meeting (E-MRS 2015), Lille, France, (11-15 May 2015).
6. "An ethanol vapor detection probe based on a ZnO nanorod overlaid optical fibre long-period grating", M. Konstantaki, A. Klini, D. Anglos, S. Pissadakis, OFS-2011, Ottawa, 7753-267.

7. "Long period optical fibre grating outcladding overlaid sensors: a versatile photonic platform for health and bio applications", S. Pissadakis, D. Anglos, A. Klini, M. Konstantaki, IEEE Biophotonics 2011 Parma, We2.5.
8. "An optical fiber long-period grating sensor for organic vapors utilizing a ZnO nanorod out-cladding", A. Klini, M. Konstantaki, D. Anglos, S. Pissadakis, CLEO-Europe 2011, CK9.5
9. "A detection probe for organic vapors based on optical fibre long-period gratings and ZnO nanorod out-claddings", M. Konstantaki, A. Klini, D. Anglos, S. Pissadakis, TCM 2010, Crete, Greece, 464.
10. "Laser patterning of Zn for ZnO nanostructure growth: Comparison between Laser Induced Forward transfer in air and in vacuum", A. Klini, F. Claeysens, A. Mourka, C. Fotakis, Advanced laser processing of photonic materials: State of the art and Prospects, Poster presentation October 2006, Heraklion, Crete, Greece.
11. "Study of plume dynamics during the growth of ZnO thin films by ns and fs UV pulsed laser ablation" A. Klini, D. Anglos, C. Fotakis, Poster presentation, 2004 Gordon Research Conference on Laser Interactions with Materials, Andover, NH, USA (1-6 August 2004).
12. "Zinc oxide films grown by ns and fs pulsed laser deposition", A. Klini, A. Manousaki, M. Androulidaki, D. Anglos, C. Fotakis, Poster presentation N/PI.47, European Materials Research Society Spring Meeting (E-MRS 2004), Strasbourg, France, (24-28 May 2004).
13. "Study of plume dynamics during the growth of ZnO thin films by ns and fs UV pulsed laser ablation" A. Klini, A. Manousaki, D. Anglos, Poster presentation P-30, 3rd International Conference on Laser Induced Plasma Spectroscopy and Applications (LIBS 2004), Malaga, Spain (28 September - 1 October 2004).
14. "Oriented or nanocrystalline ZnO layers grown by ns and subps lasers in combination with RF discharges", M. Jelinek, A. Klini, J. Lancok, M. Gernansky, V. Studnicka, J. Oswald, C. Fotakis, D. Anglos, R. Zeipl, F. Flory, L. Escoubas, 2nd International Conference on Materials for Advanced Technologies & IUMRS, Singapore (29 June – 4 July 2003).

11. Teaching Experience

Technological Educational Institute of Crete, Applied Technology Electrical Engineering Dept., "Electric circuits", academic year 2003-2011.

12. Organization of Scientific Conferences

Member of the local organizing committee of:

- 7th International conference on Laser Ablation, Cola'03, Crete, Greece, 2003
- 1st International Symposium on Transparent Conductive Materials (TCM), Crete, Greece, 2006

13. Reviewer for Scientific Journals

- Applied Physics A
- Thin Solid Films
- Applied Surface Science
- New Journal of Physics
- Materials Science in Semiconductor Processing