

Liste des publications

Articles dans revues internationales à comité de lecture

- [A1] An easy method of preparing ozone gas sensors based on ZnO nanorods, Catto AC., da Silva LF., Ribeiro C., Bernardini S., **Aguir K.**, Longo E., Mastelaro VR., RSC Advances, Volume: 5, Issue: 25, Pages: 19528-19533, (2015), DOI: 10.1039/c5ra00581g
- [A2] Ozone and nitrogen dioxide gas sensor based on a nanostructured SrTi_{0.85}Fe_{0.15}O₃ thin film, L. F. da Silva, V. R. Mastelaro, A. C. Catto, C. A. Escanhoela Jr., S. Bernardini, S. C. Zílio, E. Longo, **K. Aguir**, Journal of Alloys and Compounds 638 (2015) 374–379
- [A3] Design of new low-noise and low-power CMOS differential pair, J. Nebhen, S. Meillère, M. Masmoudi, J.-L. Seguin and **K. Aguir**, Electronics Letters (2015) 0013-5194
- [A4] A Transient Signal Extraction Method of WO₃ Gas Sensors Array to Identify Pollutant Gases, Faleh R., Othman M., Gomri S., Aguir K., Kachouri A., IEEE SENSORS JOURNAL, Volume: 16, Issue: 9, Pages: 3123-3130, 2016, DOI: 10.1109/JSEN.2016.2521578
- [A5] Acetone gas sensor based on α -Ag₂WO₄ nanorods obtained via a microwave-assisted hydrothermal route, L.F. da Silva, A.C. Catto, W. Avansi Jr., L.S. Cavalcante, V.R. Mastelaro, J. Andrés, **K. Aguir**, E. Longo, Journal of Alloys and Compounds (2016), doi: 10.1016/j.jallcom.2016.05.078.
- [A6] Low cost wireless current sensor for NIALM application, Jacquemod C., Nguyen K.T., Sevin K., Dekneuvél E., **Aguir K.**, Nicolle B., Lorenzini P., Jacquemod G., Sensors And Actuators A-Physical, Volume: 252, Pages: 209-224, DEC 1 (2016) ; DOI: 10.1016/j.sna.2016.10.020
- [A7] [UV-enhanced ozone gas sensing response of ZnO-SnO₂ heterojunctions at room temperature](#), Da Silva L.F., M'Peko J.C., Catto A.C., Bernardini S., Mastelaro V.R., **Aguir K.**, Ribeiro C., Longo E., [sensors And Actuators B-Chemical](#) Volume: 240 Pages: 573-579 Mars (2017) ; DOI: 10.1016/j.snb.2016.08.158
- [A8] Noise Modeling in MOX Gas Sensors, S. Gomri, T. Contaret, J.L. Seguin, **K. Aguir** and M. Masmoudi, Fluctuation and Noise Letters, 2 Vol. 16, No. 2 (2017) 1750013 – pp1-18, DOI: 10.1142/S0219477517500134
- [A9] A Novel High Linear CMOS Fully Integrated PA for the Design of Zigbee Transmitters, H. Thabet, S. Meillère, M. Masmoudi, J.-L. Seguin, H. Barthelemy, **K. Aguir**, BioNanoScience, Volume 7, Issue 3, Sept. (2017), pp 475–484, DOI: [10.1007/s12668-017-0405-3](#)
- [A10] Determination of Volatile Organic Compounds Using Quartz Crystal Microbalances Coated with Hexamethyldisiloxane, Boutamine M., Lezzar O. C., Bellel A., **Aguir K.**, Sahli S., Raynaud P., Analytical Letters Volume: 51 Issue: 3 Pages: 387-400, 2018
- [A11] Enhancing WO₃ gas sensor selectivity using a set of pollutant detection classifiers, Faleh R., Gomri S., Othman M., **Aguir K.**, Kachouri A., Sensor Review Volume: 38 Issue: 1 Pages: 65-73, 2018
- [A12] Structural and NH₃ gas-sensing properties of La_{0.8}Ca_{0.1}Pb_{0.1}Fe_{1-x}Co_xO₃ (0.00 ≤ x ≤ 0.20) perovskite compounds, Saoudi H., Benali A., Bejar M., Dhahri E., Fiorido T., **Aguir K.**, Hayn R., Journal of Alloys And Compounds Volume: 731 Pages: 655-661, 2018, <https://doi.org/10.1016/j.jallcom.2017.10.058>

- [A13] A Noise Spectroscopy-Based Selective Gas Sensing with MOX Gas Sensors, Gomri S., Seguin J.L., Contaret T., Fiorido T., **Aguir K.**, *FLUCTUATION AND NOISE LETTERS* Volume: 17 Issue: 2, Article Number: 1850016, 2018
- [A14] Improving the ozone gas-sensing properties of CuWO₄ nanoparticles, Catto A.C., Fiorido T., Souza E.L.S., Avansi W., Andres J., **Aguir K.**, Longo E., Cavalcante L.S., da Silva L.F., *JOURNAL OF ALLOYS AND COMPOUNDS*, Volume: 748, Pages: 411-417, 2018, doi: 10.1016/j.jallcom.2018.03.104
- [A15] NO₂ Gas Sensing at Room Temperature under Ultra- Violet Light of ZnO Nanocrystals, Sandrine bernardini, Mohamed hameda benchekroun, **Khalifa aguir**, Olivier margeat, Jörg ackermann and Christine videlot-ackermann, *Sensors & Transducers*, Vol. 222, Issue 6, 2018, pp. 1-5; hal-01844844
- [A16] Efficiency of new ozone filters for NO₂ sensing and air depollution, M. Othman, C. Théron, M. Bendahan, L. Caillat, C. Rivron, S. Bernardini, G. Le Chevallier, E. Chevallier, M.-P. Som, **K. Aguir**, T.-H. Tran-Thi, *Sensors and Actuators B: Chemical*, 2018, 265, pp. 591-599, <https://doi.org/10.1016/j.snb.2018.03.019>, cea-01730619
- [A17] Ionic Liquids Filter for Humidity Effect Reduction on Metal Oxide Gas Sensor Response, Alexandre FAVARD, Xueru YAN, Stéphane ANGUILLE, Philippe MOULIN, Jean-Luc SEGUIN, **Khalifa AGUIR**, Marc BENDAHAN, *Sensors & Transducers*, Vol. 222, Issue 6, June 2018, pp. 6-11
- [A18] Optimized Testing Chamber for Qualified Sensor Responses Measurement, Fatima Ezahra ANNANOUGH, Marc BENDAHAN, Gilles BOUCHET, Pierre PERRIER, Nicolas MORATI, Virginie MARTINI-LAITHIER, Tomas FIORIDO, **Khalifa AGUIR**, *Sensors & Transducers*, Vol. 222, Issue 6, June 2018, pp. 12-17
- [A19] Thermal Modulation of SnO₂ Sensors for Alcohol Monitoring by Perspiration, Bruno LAWSON, Tomas FIORIDO, **Khalifa AGUIR**, Rachid BOUCHAKOUR and Marc BENDAHAN, *Sensors & Transducers*, Vol. 222, Issue 6, June 2018, pp. 18-23
- [A20] Highly selective ozone gas sensor based on nanocrystalline Zn_{0.95}Co_{0.05}O thin film obtained via spray pyrolysis technique, Yina Onofre, Ariadne Catto, Sandrine Bernardini, Tomas Fiorido, **Khalifa Aguir**, Elson Longo, Valmor Mastelaro, Luís Da Silva, Marcio P.F. Godoy, *Applied Surface Science*, 2019, DOI : [10.1016/j.apsusc.2019.01.197](https://doi.org/10.1016/j.apsusc.2019.01.197)
- [A21] Lawson B., **Aguir K.**, Fiorido T., Martini-Laithier V., Bouchakour R., Burtey S., Reynard-Carette Ch., Bendahan M., Skin Alcohol perspiration Measurements Using MOX Sensors, *Sensors & Actuators: B. Chemical* 280 (2019) 306–312 <https://doi.org/10.1016/j.snb.2018.09.082>
- [A22] Olivier Dalstein, Maxime Tabo, Elsa Alvarez, Lucas Roux, Richard Garuz, Marcel Pasquinelli, Lhoucine Azzi, Marc Bendahan, **Khalifa Aguir**, Jérôme Loizillon, Marco Abbarchi, David Grosso, Method to detect ethanol vapor in high humidity by direct reflection on a xerogel coating, *ACS APPLIED MATERIALS & INTERFACES* Volume: 11 Issue: 4 Pages: 4439-4446 Published: JAN 30 2019, DOI: 10.1021/acsami.8b20479
- [A23] Annanouch F.E., Bouchet G., Perrier P., Morati N., Reynard-Carette C., **Aguir K.**, Martini-Laithier V., Bendahan M., Hydrodynamic evaluation of gas testing chamber: Simulation, experiment, *Sensors & Actuators: B. Chemical* 290 (2019) p 598–606, DOI: 10.1016/j.snb.2019.04.023
- [A24] Smiy S., Saoudi H., Benali A., Bejar M., Dhahri E., Fiorido T., **Aguir K.**, New perovskite compound La_{0.885}Pb_{0.005}Ca_{0.11}FeO_{2.95} for gas sensing application, *CHEMICAL PHYSICS LETTERS* Volume: 735 Article Number: UNSP 136765 Published: NOV 16 2019, DOI: 10.1016/j.cplett.2019.136765
- [A25] Avansi Waldir Jr., Catto Ariadne C., da Silva Luis F., Fiorido T., Bernardini S., Mastelaro VR., **Aguir, K.**, Arenal R., One-Dimensional V₂O₅/TiO₂ Heterostructures for

Chemiresistive Ozone Sensors, ACS APPLIED NANO MATERIALS Volume: 2 Issue: 8 Pages: 4756-4764 Published: AUG 2019, DOI: 10.1021/acsanm.9b00578, Hal : hal-02196747v1

[A26] Onofre, Yina J.; Catto, Ariadne C.; Bernardini, Sandrine; Fiorido, Tomas; **Aguir, Khalifa**; Longo, Elson; Mastelaro, Valmor R.; da Silva, Luís F.; de Godoy, Marcio P. F, *Highly selective ozone gas sensor based on nanocrystalline Zn_{0.95}Co_{0.05}O thin film obtained via spray pyrolysis technique, APPLIED SURFACE SCIENCE Volume: 478 Pages: 347-354 Published: JUN 1 2019, DOI: 10.1016/j.apsusc.2019.01.197, Hal : hal-01993778v1*

[A27] A. A. Aimer, F. Kerrou, A. K. Aguir, *Design and optimization of platinum heaters, Digest Journal of Nanomaterials and Biostructures Vol. 15, No. 1, January - March 2020, p. 133 - 141*

- *Articles dans revues nationales à comité de lecture*

[AN1] **AGUIR Khalifa**, CARIMALO Julie, FAVRE Georges, PIQUEMAL François, *Club nanoMétrologie : un bilan des quatre premières années, Afnor, Métrologie 09/02/2016, MET-A-V-90-10:2016-02*

- *Chapitres d'ouvrages*

✓ **Khalifa Aguir**, Sandrine Bernardini, Bruno Lawson, Tomas Fiorido, *Trends in metal oxide thin films: 8 Synthesis and applications of tin oxide, Tin Oxide Materials: Synthesis, Properties, and Applications, Series Editor: Ghenadii Korotcenkov, Edited by: Marcelo Ornaghi Orlandi, 2019*

- *Brevets, licences, logiciels*

[B1] **Capteur de gaz à couche sensible chauffée, K. Aguir, M. Bendahan, V. Laithier, brevet N° FR 13 59494, 2013, extension internationale en 2016, US20160238548A1, (4 Licences d'exploitation : COV, O₃, CO, ETHANOL)**

- *Actes publiés de conférences internationales, congrès et colloques...*

[C1] *A rational approach for obtaining ZnO-SnO₂ nano-heterojunctions via microwave-assisted treatment and their applications, Luís F. da Silva, Mattia Lucchini, Mario Bärtzsch, Elena V. Tervoort, Khalifa Aguir, Caue Ribeiro, Elson Longo, and Markus Niederberger, E-MRS 2016 Fall Meeting, Warsaw University of Technology, from September 19 to 22, 2016*

[C2] *An investigation of Co addition on the surface, structural and gas sensing properties of nano-crystalline ZnO films, Ariadne C. Catto, Luís F. da Silva, Sandrine Bernardini, **Khalifa Aguir**, Valmor R. Mastelaro, XV Brazilian MRS Meeting, Campinas, 09/25-29/2016*

[C3] *Ozone Gas Sensor Based on One-Dimensional V₂O₅/TiO₂ Heterostructures, MRS Fall Meeting, 2017*

[C4] *ZnO-SnO₂ nano-heterojunctions prepared via microwave-assisted non-aqueous route and their gas-sensing properties, Luís F. da Silva, Mattia Lucchini, Tomas Fiorido, Sandrine Bernardini, **Khalifa Aguir**, Caue Ribeiro, Elson Longo, Markus Niederberger, XV Brazilian MRS Meeting, Campinas, 09/25-29/2016*

[C5] *Development of metal oxide gas sensors for very low concentration (ppb) of BTEX vapors, A Favard, **K Aguir**, T Contaret, L Caris and M Bendahan, 6th International*

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- [C6] S. Boumali, M. T. Benhabiles, **K. Aguir** and F. Kerrour, "Can WO_3 and SnO_2 be used as acetone gas sensors in exhaled human breath for noninvasive blood glucose monitoring?," 2017 E-Health and Bioengineering Conference (EHB), Sinaia, Romania, 2017, pp. 547-550. doi: 10.1109/EHB.2017.7995482
- [C7] *Can WO_3 and SnO_2 Be Used as Acetone Gas Sensors in Exhaled Human Breath for Noninvasive Blood Glucose Monitoring?*, Boumali S., Benhabiles M.T., **Aguir K.**, Kerrour F., Conference: 6th IEEE International Conference on E-Health and Bioengineering (EHB) Location: Sinaia, ROMANIA, JUN 22-24, 2017
- [C8] *Recent developments in the gas multisensors*, **K. Aguir**, *Conférence invitée à Samsung d-Day, Seoul, 18 October 2018*
- [C9] *Ultra-Violet Assisted ZnO Nanocrystals for NO₂ Sensing at Room Temperature*, Sandrine Bernardini, Mohamed Hameda Benchekroun, **Khalifa Aguir**, Meriem Gaceur, Olivier Margeat, Jörg Ackermann and Christine Videlot-Ackermann, 2018, *Digital world, ALLSENSORS 2018: The Third International Conference on Advances in Sensors, Actuators, Metering and Sensing*, pp. 33-34, ISSN: 2519-836X, ISBN: 978-1-61208-621-7, Best award paper
- [C10] *WO_3 Gas Microsensor Response Using New Filters Based on Ionic Liquid*, Alexandre Favard, Jean-Luc Seguin, **Khalifa Aguir**, Xueru Yan, Stéphane Anguille, Philippe Moulin, Marc Bendahan, ALLSENSORS 2018, *The Third International Conference on Advances in Sensors, Actuators, Metering and Sensing*; March 25, 2018 to March 29, 2018 - Rome, Italy, ISBN: 978-1-61208-621-7
- [C11] *Design and Optimization of Gas Sensor Testing Chamber*, Fatima Ezahra Annanouch, Nicolas Morati, Virginie Martini-Laithier, Tomas Fiorido, **Khalifa Aguir**, Gilles Bouchet, Pierre Perrier, Marc Bendahan, ALLSENSORS 2018, *The Third International Conference on Advances in Sensors, Actuators, Metering and Sensing*; March 25, 2018 to March 29, 2018 - Rome, Italy, ISBN: 978-1-61208-621-7
- [C12] *Cyclical Heating to Reduce Consumption of SnO_2 Sensors for Alcohol Monitoring*, Bruno Lawson, Virginie Martini-Laithier, Tomas Fiorido, Marc Bendahan, Rachid Bouchakour, **Khalifa Aguir**, ALLSENSORS 2018, *The Third International Conference on Advances in Sensors, Actuators, Metering and Sensing*; March 25, 2018 to March 29, 2018 - Rome, Italy, ISBN: 978-1-61208-621-7
- [C13] *How the chamber design can affect gas sensor responses*, Fatima-Ezahra Annanouch, Gilles Bouchet, Pierre Perrier, Nicolas Morati, Christelle Reynard-Carette, **Khalifa Aguir**, Marc Bendahan, EUROSENSORS 2018, 9-12 sept 2018, Graz / Austria, MDPI Proceedings, Vol.2, Issue 13, September 2018,
- [C14] *Toward a selective detection of ethanol by perspiration*, Bruno Lawson, **Khalifa Aguir**, Zouhair Haddi, Tomas Fiorido, Rachid Bouchakour, Marc Bendahan; IEEE Sensors 2018 Conference, New Delhi, India from October 28-31, 2018, Proceedings IEEE 2018
- [C15] *CO₂ Gas Sensor based on BaTiO₃ Thin Film Deposited via Ultrasonic Spray*, Mohamad Hijazi, Sandrine Bernardini, Fabien Le Pennec, **Khalifa Aguir**, Jean-Luc Seguin, and Marc Bendahan, IEEE sensors, *Sensor Materials, Processing and Fabrication (including Printing)* 28-31 octobre 2018, New Delhi, India; 10.1109/ICSENS.2018.8589621, hal-01969687
- [C16] *Silver Growth on Tungsten Oxide Nanowires for Nitrogen Dioxide Sensing a Low Temperature*, Florent Pourcin, Sandrine Bernardini, Christine Videlot-Ackermann, Nassirou Nambiema, Jincheng Liu, **Khalifa Aguir**, Olivier Margeat and Jörg Ackermann,

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- [C17] Ammonia Detection at Low Temperature by Tungsten Oxide Nanowires, Sandrine Bernardini, Florent Pourcin, Nassirou Nambiema, Olivier Margeat, **Khalifa Aguir**, Christine Videlot-Ackermann, Jörg Ackermann and Marc Bendahan, MDPI Proceedings, Vol.2, Issue 13, September 2018, as EUROSENSORS 2018 Proceedings, Gratz, Aurtiche, <https://doi.org/10.3390/proceedings2130983>, hal-01949493
- [C18] Fatima Ezahra Annanouch, **Khalifa Aguir**, Virginie Martini-Laithier, Tomas Fiorido and Marc Bendahan, SnO₂ Sensors for a Portable Transdermal Alcohol Detector Via Finger, 2019 Conference Proceedings, IEEE Sensors 2019 - IEEE Catalog Number: CFP18SEN-ART ISBN: 978-1-7281-1634-1
- [C19] Bernardini S., Fiorido T., **Aguir K.**, Margeat O., Ackermann J., Videlot-Ackermann C., UV-enhanced Ozone Sensing Response of Al-doped Zinc Oxide Nanocrystals at Room Temperature, Conference: 3rd International Workshop on Functionalized Surfaces and their Applications to Chemical and Bio-Sensors (SURFOCAP) Location: Femto ST Inst, Besancon, FRANCE Date: MAY 30-31, 2017, MATERIALS TODAY-PROCEEDINGS Volume: 6 Special Issue: SI Pages: 310-313 Part: 3 Published: 2019, DOI: 10.1016/j.matpr.2018.10.422, Hal : hal-02060771v1
- [C20] Favard A., **Aguir K.**, Contaret T., Dumas A., Bendahan M., Detection and measuring of BTEX traces at the ppb level using metal oxide gas sensor, Conference: 3rd International Workshop on Functionalized Surfaces and their Applications to Chemical and Bio-Sensors (SURFOCAP) Location: Femto ST Inst, Besancon, FRANCE Date: MAY 30-31, 2017, MATERIALS TODAY-PROCEEDINGS Volume: 6 Special Issue: SI Pages: 323-327 Part: 3 Published: 2019, DOI: 10.1016/j.matpr.2018.10.425
- [C21] Fatima Ezahra Annanouch, **Khalifa Aguir**, Virginie Martini-Laithier, Tomas Fiorido and Marc Bendahan, SnO₂ Sensors For a Portable Transdermal Alcohol Detector Via Finger, IEEE Sensors 2019 Conference, Montreal, Canada, October 27-30, 2019.
- [C22] Luís F. da Silva, Tomas Fiorido, Sandrine Bernardini, Ariadne C. Catto, João V. N. de Palma, Waldir Avansi Jr, **Khalifa Aguir** and Marc Bendahan, BTEX Gas Sensor based on Hematite Nanocrystals: Preparation and Characterization, MRS 2019, December 1-6, Boston, Massachusetts, Symposium EN16 : Advanced Materials, Fabrication Routes and Devices for Environmental Monitoring
- [C23] Sandrine Bernardini, Tomas Fiorido, **Khalifa Aguir** and Marc Bendahan, Metal Oxide Gas Microsensors for Environmental Monitoring, Workshop IEEE Sensors 2019, Dijon, 23 -24 mai
- [C24] Ariadne C. Catto, Luís F. da Silva, Sandrine Bernardini, **Khalifa Aguir**, Waldir Avansi, Preparation of Nanostructures and Their Application as UV-Light Assisted Gas Sensors, MRS Boston Fall meeting 1er dec 2019 – 6 dec 2019, Symposium EN16 : Advanced Materials, Fabrication Routes and Devices for Environmental Monitoring

Congrès internationaux avec actes et sélection sur le résumé

- [C25] Innovative and 'low-cost' solutions for real time monitoring of air quality, A. Favard, L. Fertier. Galvez, T. Contaret, **K. Aguir**, SENSO Conference 2015, Gardanne, France
- [C26] Direct laser patterning of metallic temperature sensors on flexible substrate, M.D. Dankoco, E. Bénevent, E. Bergeret, L. Gallais, **K. Aguir** and M. Bendahan, SENSO Conference 2015, Gardanne, France

- [C27] 3-D Design, Electro-Thermal Simulations of Metal Oxide Gas Sensor using COMSOL, Aimer Amer Abdeslam, Fouad Kerrou, **Khalifa Aguir**, SETCOR Nanotech Tunisia 2015 April 22 - 24, 2015, Hammamet – Tunisia
- [C28] Design of multi sensors for the measurement of ethanol by skin perspiration, Lawson B., **Aguir K.**, Bouchakour R., Laithier V., Bendahan M., IBERNAM-CMC2 (13-14 Octobre 2016 Toulouse): (Poster presentation)
- [C29] Integrated multi-sensors for ethanol measurement on the skin by perspiration, Lawson B., **Aguir K.**, Bouchakour R., Laithier V., Bendahan M., Fiorido T., SENSO (16-18 November 2016 Gardanne)
- [C30] Design and Optimization of Platinum Micro-Heaters for Gas Sensor, Amer Abdeslam Aimer, Fouad Kerrou and **Khalifa Aguir**, Applications 3rd International Conference on Recent Advances in Electrical Systems (ICRAES'18) 2018
- [C31] Development of MOX micro-sensors for health and air quality monitoring, Marc Bendahan, **Khalifa Aguir**, French – Italian Workshop on Chemical Sensors and Biosensors, Firenze, Villa Ruspoli, 31 May – 1 Jun, 2018
- [C32] Tin dioxide multisensors for a selective detection of transdermal ethanol, B. LAWSON-G., **K. AGUIR**, T. FIORIDO, R. BOUCHAKOUR, M. BENDAHAN, IX Franco-Spanish Workshop IBERNAM-CMC2 – 4-5th october 2018, Tarragona, Spain
- [C33] Sensor Development on Flexible Substrate, Sandrine Bernardini, Evangeline Benevent, **Khalifa Aguir** and Marc Bendahan, IX Franco-Spanish Workshop IBERNAM-CMC2 – October 2018, Tarragona, Spain,
- [C34] Avancées récentes dans les microcapteurs à oxyde semiconducteur de type microhotplate, **K. Aguir**, **Conférence plénière invitée** à MADICA, Mahdia, 07 nov. 2018
- [C35] S. Bernardini, A.C. Catto, T. Fiorido, M. Bendahan, **K. Aguir** and L.F da Silva, ZnO-SnO₂ Nanoheterostructures : Microwave synthesis and UV-enhanced gas sensing properties, Workshop "Low-cost Sensors and Microsystems for Environment Monitoring", 20-21st May 2019, Toulouse, France
- [C36] Catto, A. C.; Onofre, Y. J.; Silva, L. F.; Godoy, M. P. F.; Bernardini, S.; **Aguir, K.**; Mastelaro, Valmor Roberto, Zn (1-x) CoO thin films for gas sensing applications, Encontro de Outono da Sociedade Brasileira de Física – EOSBF
- [C37] **K. Aguir**, M. Bendahan, Recent developments and trends in the MOX gas multisensors, Future device technology Summit, 11-12 June 2019, Helsinki, Finland **invited Conference**

Congrès nationaux et Séminaires, Autres articles

- [E1] Avancées des microcapteurs de gaz et vapeurs pour la qualité de l'air, **K. Aguir**, **Conférence invitée**, Colloque DIM Analytics Ile de France Vendredi 17 Avril 2015
- [E2] Intérêt des nanomatériaux dans les microcapteurs de gaz, K. Aguir, **séminaire invité**, Constantine 2015
- [E3] Interest of nanomaterials in gas microsensors, Workshop on applications of ceramic nanomaterials for environment, **Conférence invitée**, Araraquara University, Brazil, august 2015
- [E4] Présentation du Club nanoMétrologie à la 1^{ère} conférence franco-italienne sur les nanosciences, Porquerolles, **Conférence invitée**, sept. 2015
- [E5] Miniaturisation des capteurs de gaz, technologies et intérêts, K. Aguir, **séminaire invité**, Constantine 2016

- [E6] *microcapteurs, Les microcapteurs au service de la qualité de l'air, Conférence AIR24, Aix-en-Provence, 18 septembre. 2018*
- [E7] *Développement de Microcapteurs pour la détection de traces de BTEX : Application au suivi de la qualité de l'air, Alexandre Favard, Thierry Contaret, **Khalifa Aguir**, Marc Bendahan, CNRIUT 2018 Congrès National de la Recherche en IUT– 7-8 juin - Aix en Provence*
- [E8] *Développement de MicroCapteurs pour la détection de vapeurs d'éthanol : Application au suivi du taux d'alcoolémie par perspiration cutanée, Bruno Lawson, **Khalifa Aguir**, Virginie Martini-Laithier, Tomas Fiorido, Rachid Bouchakour, Marc Bendahan, CNRIUT 2018 Congrès National de la Recherche en IUT – 7-8 juin - Aix en Provence*
- [E9] *Virginie LAITHIER, Fatima Ezahra Annanouch, Khalifa Aguir, Tomas Fiorido and Marc Bendahan, Détection non invasive de l'éthanol par perspiration au bout d'un doigt, Workshop CMC2 – 21 nov 2019- Marseille : Nanomatériaux et Microcapteurs chimiques appliqués au domaine de la santé.*

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