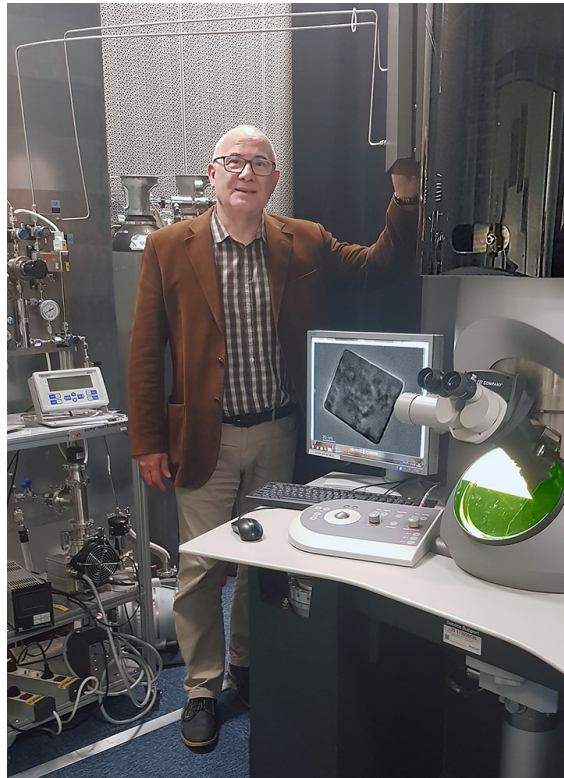


Scientific Production, Thierry EPICIER



Updated August 2022

- 1.1 à 146 : Articles, Lettres dans Revues avec comité de lecture
- 2.1 à 133 : Publications dans des Actes de Congrès avec comité de lecture (*conférences invitées en italique*)
- 3.1 à 328 : Participation à Congrès, Symposiums, Conférences : Communications Orales et/ou par voie d'Affiches (*conférences invitées en italique*)
- 4.1 à 105 : Autres Travaux : Rédactions Diverses, Séminaires, Documents Audiovisuels (*invités : en italique*)

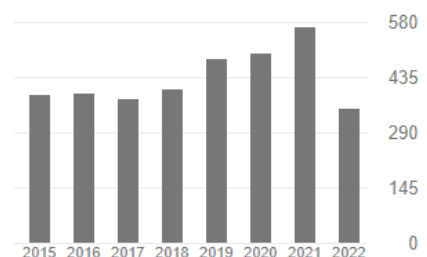
(8 chapitres d'ouvrages repérés par un astérisque)

Statistics (Google Scholar ©)

(<https://scholar.google.com/citations?user=WAg2MRMAAAAJ&hl=fr&oi=ao>, 2022-08)

Noter que le site ne répertorie pas l'ensemble réel de la production scientifique effective.

	Toutes	Depuis 2017
Citations	5670	2692
indice h	38	26
indice i10	103	61



Invited Conferences

90 invited talks (among which 57 in International meetings, 68 as the speaker).

International meetings (congresses and schools)

- 1 - 2.15** EPICIER T., "application of transmission electron microscopy to the study of transition metal carbides", dans "The Physics and Chemistry of Carbides; Nitrides and Borides", NATO ASI Series, 185, 297-327,(1990) (communication invitée à "Carbides, Nitrides, Borides", Manchester (U.K.), sept. 1989).
- 2 - 2.16** EPICIER T., "crystal-chemistry of transition metal hemicarbides", dans "The Physics and Chemistry of Carbides; Nitrides and Borides", NATO ASI Series, 185, 215-248 (1990), (communication invitée à "Carbides, Nitrides, Borides", Manchester (U. K.), sept. 1989).
- 3 - 2.17** EPICIER T., "HREM visualisation of light atoms; an application to the study of carbon defects in ordered metal carbides", Mat. Res. Soc. Symp. Proc., 183, 255-266, (1990) (communication invitée à MRS Spring Meet., San Francisco, USA, Avril 1990).
- 4 - 2.18** EPICIER T., "benefits of high resolution electron microscopy for the structural characterization of mullites ", paru dans J. Am. Cer. Soc., topical issue on "mullite", (communication invitée à 43rd Pacific Coast Reg. Meet. Am. Cer. Soc., Seattle, USA, Nov. 1990).
- 5 - 2.19** DOUIN J., EPICIER T., PENISSON J. M., THOREL A., "HREM study of interfaces", communication invitée à la "3^{ème} Rencontre Internationale sur les Sciences des Matériaux", Oran, Algérie, 27-29/10/1991.
- 6 - *2.23** EPICIER T., "about the interest of voluntarily limiting the resolution in HREM studies", communication invitée au Symp. "Microstructure of Materials", Berkeley, CA-USA, 22-23 oct. 1992, pp.39-47 dans "Microstructure of Materials", ed. K.M. Krishnan, San Francisco Press, (1993), ISBN0-911302-71-9.
- 7 - 2.32** EPICIER T., MASSARDIER V., MERLE P., "HRTEM and nano-analytical study of metastable precipitates in aluminium alloy 6061", conférence invitée à EMAG 99 (Electron Microscopy and Analysis Group Conference), 25-27 Août 99, Sheffield, UK, Inst. Phys. Conf. Ser. n° 151 : Section 6, (1999), IOP publ. Ltd, UK, pp.253-258.
- 8 - 2.33** EPICIER T., "practice of High Resolution Electron Microscopy and Simulations", conférence invitée à 'Advanced School on High Resolution Electron Microscopy', 24 Août 99, Sheffield, UK.
- 9 - 2.44** EPICIER T., SAULIG-WENGER K., CORNU D., CHASSAGNEUX F., MIELE P., "TEM and EELS study of inorganic Si-based nanocables ", conférence invitée à I.C.C.E. 10 (International Conference on Composites/Nano Engineering, 20-26 Juillet 2003, New Orleans (USA), p. 143-144 dans 'I.C.C.E. 10 Proceed.', ed. D. Hui, USA: University of New Orleans, (2003).
- 10 - 3.41** EPICIER T., "Practical simulation of HRTEM images", conférence invitée à 'NCEM 1994 Summer School on Image Simulation & Processing', Lawrence Berkeley Lab., Berkeley, CA, USA, 27 Juin-01 Juil. 1994.
- 11 - 3.43** EPICIER T., "Practical simulation of HRTEM images", conférence invitée à 'NCEM 1995 Summer School on Image Simulation & Processing', Lawrence Berkeley Lab., Berkeley, CA, USA, 26-30 Juin. 1995.
- 12 - 3.47** EPICIER T., "Applications de la MET et de la METHR en Sciences des Matériaux", conférence invitée aux Journées Franco-Algériennes sur la Matière Condensée (JFAMC), Dijon, (Septembre 1996).
- 13 - 3.77** EPICIER T., "Application of electron microscopy (HREM and other methods) to material analysis at nanoscale", Franco-Israeli Workshop on Characterization of Materials at Nano-meter Scale, Jerusalem, Israel September 25-26, 2000.
- 14 - 3.85** EPICIER T., "HREM image calculation techniques and simulation", cours à la 8th Euro School on Electron Crystallography, Materials Science, 7-12 Juin 2002, Tampere, Finlande.
- 15 - 3.99** LOUET N., EPICIER T., FANTOZZI G., "Investigation of the sintering behavior of ultrapure alpha-alumina containing low amounts of SiO₂ and CaO", The 3rd international symposium on Science of Engineering Ceramics, Osaka (Japon), 31/10/2004-04/11/2004.
- 16 - 3.102** EL BOUAYADI R., ARAUJO D., EPICIER T., "quantitative and chemical study of nano-objects by HRTEM, HAADF and associated techniques", conférence invitée à DAVOS 2005: Dreiländertagung conference, 28 Août – 2 Septembre 2005, Davos Suisse.
- 17 - 3.126** EPICIER T., "Precipitation and HAADF imaging", Conférence invitée au Workshop 'France - NCEM Cooperation', Berkeley (CA)-USA, 05-07 Janvier 2007.
- 18 - 3.130** EPICIER T., DANOIX F., VURPILLOT F., "High resolution and 3D analysis in TEM: complementary tools to atom probe tomography", conférence invitée au Colloque IFES 2008, 51st International Field Emission Symposium, F-Rouen, 29/06-04/07/2008.
- 19 - 3.141** EPICIER T., conférence invitée "Microstructure characterization of ceramic nano-composites by electron microscopy techniques", Nanoker training action on "Ceramic Nanocomposites", 23-27 February 2009, Madrid, Spain.
- 20 - 3.150** EPICIER T., BENLEKBIR S., SATO K., TOURNUS F., KONNO T., "STEM-HAADF tomography and generalized stereoscopy 3D studies of nano-particles in Transmission Electron Microscopy", conférence invitée au colloque MicroScience 2010 (session M2.1), Londres, UK, 29 juin - 1^{er} juillet 2010.
- 21 - 3.151** BOULON G., ZHAO W., ANGHEL S., MANCINI C., AMANS D., EPICIER T., CHANI V., YOSHIKAWA A., "Segregation Phenomenon of Rare Earth Dopants in Transparent Oxide Optical Ceramics", conférence invitée à ESTE (Excited States of Transition Elements) 2010 (www.este2010.chem.uni.wroc.pl/), Wroclaw, Poland, 04-09 Septembre 2010.
- 22 - 3.159** G. BOULON., W. ZHAO., S. ANGHEL., C. MANCINI., D. AMANS., T. EPICIER., V. CHANI., A. YOSHIKAWA., "Segregation phenomenon of rare earth dopants in ceramics", conférence invitée, 6th Laser Ceramics Symposium, Münster, Deutschland, 6-8/12/2010.

- 23 - 3.162** G. BOULON, T. EPICIER, V. CHANI, A. YOSHIKAWA, L. ESPOSITO, "TEM Analysis of Rare Earth Dopant Distribution in YAG Optical Ceramics", conférence invitée à 7th Laser Ceramics Symposium: International Symposium on Transparent Ceramics for Photonic Applications, Singapore, 14th-17th Nov. 2011 (<http://www3.ntu.edu.sg/temasek-labs/lcs2011/Index.html>)
- 24 - 3.184** Y. LIU, H. YUAN, A. BOGNER, B. VAN DE MOORTÈLE, T. EPICIER, "Tri-3D" Tomography in FIB, SEM and TEM: Application to Polymer Nano-Composites", présentation invitée à à Interdisciplinary Symposium on 3D Microscopy, Les Diablerêts, Suisse, 5-8 mars 2012.
- 25 - 3.189** N. CRESPO-MONTEIRO, L. NADAR, N. DESTOUCHES, F. VOCANSON, L. BOIS, T. EPICIER, "Contrôle optique de la croissance et de la déformation de nanoparticules métalliques au sein de matrices mésoporeuses de TiO₂", conférence invitée à UVX 2012, Biarritz 12-15 juin 2012 ; <http://uvx.edpsciences.org> (<http://dx.doi.org/10.1051/uvx/201301011>), UVX 2012, 01011 (2013), EDP Sciences.
- 26 - 3.191** T. EPICIER, F. TOURNUS, K. SATO AND T. KONNO, "Study of small nanoparticles by advanced TEM imaging techniques", conférence invitée à la 1st international workshop on Metallic Nano-Objects, 15-16 novembre 2012, Saint-Etienne, France.
- 27 - 3.195** N. DESTOUCHES, N. CRESPO-MONTEIRO, L. NADAR, T. EPICIER, Y. LIU, Y. LEFKIR, F. VOCANSON, "Laser control of metallic nanoparticles for reversible or permanent color marking", Conférence invitée à International conference on Small Science, Orlando FL USA, 16-19 décembre 2012.
- 28 - 3.197** T. EPICIER, "Precipitation in metallic alloys: revealing nanoscale features by conventional and advanced TEM studies", Conférence invitée à 'Summit of Material Science: SMS2012', November 25 - December 1, 2012, Sendai, Japan.
- 29 - 3.200** T. EPICIER "Nanoparticle studies in TEM", Conférence plénière au 21^e Congrès de la Soc. Turque de Microscopie Électronique, 25-31 mai 2013, Mersin Turquie.
- 30 - 3.202** L. ESPOSITO, J. HOSTASA, A. PIANCASTELLI, T. EPICIER, A. MALCHERE, A. PIRRI, M. VANNINI, G. TOCI, G. BOULON, "Production and characterization of layered YAG - Yb: YAG laser ceramic structures", conférence invitée (keynote) à ECERS XIII, 13th Conference of the European Ceramic Society, Limoges-F, 22-27 juin 2013.
- 31 - 3.208** K. LEPINAY, F. LORUT, R. PANTEL, T. EPICIER, "STEM-EDX nano-tomography in a TEM", Conférence invitée à Microscopy Conférence MC2013, Regensburg, Allemagne, 25-30 Août 2013.
- 32 - 3.215** M. AOUINE, N. BLANCHARD, F. CADETE SANTOS AIRES, T. EPICIER, C. LANGLOIS, "The Ly-EtEM: first results", communication invitée à IWETEM 2013 (International Workshop on Environmental TEM), Lyon, France – 26 Novembre 2013.
- 33 - 3.218** T. EPICIER, K. LEPINAY, F. LORUT, R. PANTEL, Chemical nano-tomography by STEM-EDX, Conférence invitée : Super X user meeting 2014, EPFL Lausanne, Suisse, 13-14 février.
- 34 - 3.219** T. EPICIER, K. SATO, F. TOURNUS, C. LANGLOIS, T.J. KONNO, "Quantitative Analysis of Nanostructures by T.E.M (QUANTEM : Environmental and double C_s-corrected TEM", communication invitée à Annual ELyT Worskhop, Fréjus, 19-21 février 2014.
- 35 - 3.220** T. EPICIER, "Environmental TEM: when gas and temperature allow direct chemical reactions to be followed at the atomic level", contribution invitée à the 1st International Workshop on Security Science and Engineering of Advanced Energy Systems, INSA de Lyon-Tohoku Univ., February 23-25, 2014 in Lyon, France.
- 36 - 3.225** T. EPICIER, "Environmental TEM: following structural evolution of materials and nanomaterials under high temperature and gaseous partial pressure in a Transmission Electron Microscope", Conférence invitée à TRAMP2014 "nanomaTèRiAux : Microstructure et Propriétés", 4-6 juin 2014, Marrakech, Maroc.
- 37 - 3.226** T. EPICIER, F.J. CADETE SANTOS AIRES, M. AOUINE, C. LANGLOIS, N. BLANCHARD, "Environmental Transmission Electron Microscopy studies of evolution of nanoparticles in temperature under oxidizing or reducing conditions", Conférence invitée à International Conference on Electron Microscopy (EMSI XXXV), Delhi, Inde, July 9-11, 2014.
- 38 - 3.335** AOUINE M., EHRET E., L. ROIBAN R., EPICIER T., CADETE SANTOS AIRES F.J., "Structural and chemical dynamic evolution of catalysts under gaseous environments in real-time at high spatial resolution", conférence invitée à III International Scientific School-Conference for Young Scientists 'Catalysis: from Science to Industry', Tomsk, 26-30 Oct 2014.
- 39 - 2.83** LANGUILLE M.A., LEE H.C., JEONG C.K., RYO T., KONDOH H., EHRET E., JUGNET Y., BERTOLINI J.C., LIU Z., AOUINE M., EPICIER T., MUN B.S., CADETE SANTOS AIRES F.J., "study of the behavior of catalytic surfaces in the presence of gases by in situ methods", conf invitée au 3rd Ertl Symposium on Surface Analysis and Dynamics (Berlin, 9-12 Nov.2014), IL 07, p.20-21.
- 40 - 2.99** D. MANGELINCK, K. HOUMMADA, M. EL KOUSSEIFI, F. PANCIERA, M. DESCOINS, M. BERTOGLIO, T. EPICIER, M. GRÉGOIRE, "Reactive Diffusion for Contact Formation in Advanced MOS Devices", conférence invitée à SIPSE 2015 - Sustainable Industrial Processing Summit & Exhibition, 4 - 9 October 2015, Cornelia Diamond Golf Resort & Spa, Antalya, Turkey.
- 41 - 3.240** T. EPICIER, I. ISSA, J. AMODEO, C. ESNOUF, L. JOLY-POTTUZ, K. MASENELLI-VARLOTI, I. LAHOUIJ, I. JENEI, F. DASSENOY, B. VACHER, J. RÉTHORÉ, "TEM compression of nano-particles in static or dynamic contacts", Conférence invitée à NanoBrücken (Hysitron workshop), Saarbrücken, 02-04/03/2016.
- 42 - 3.242** L. ROIBAN, S. KONETI, V. MAXIM, T. GRENIER, P. AVENIER, A. CABIAC, A-S. GAY, F. DALMAS, T. EPICIER, "Fast Electron Microscopy 3D analysis of nano-materials in operando mode", conférence invitée (co-auteur) à EMN (Energy Materials Nanotechnology) Meeting on Mesoporous Materials, June 13-17, 2016, Prague, Czech Rep.
- 43 - 3.244** T. EPICIER, "Life Materials Chemistry at the Nano Scale in Environmental Transmission Electron Microscopy", invited talk at CPSSC 16: 'Challenges and Prospects for Solid State Chemistry', Séville, Spain, 09-10 Sept. 2016.
- 44 - 4.90** T. EPICIER, "Environmental TEM: Fast is Beautiful", invited Gatan webinar, 08 Oct. 2016 (www.youtube.com/watch?v=af5M4NCTnK0&feature=youtu.be&rel=0).

- 45 - 4.92** T. EPICIER, "Environmental TEM: Towards real-time atomic resolution imaging and nano-tomography", invited lecture at Stanford imaging workshop: Advanced transmission electron microscopy for in-situ and environmental studies 2016, dec. 08, Stanford University, Palo Alto, CA, USA.
- 46 - 4.96** F.J.C. SANTOS AIRES, T. EPICIER, M. BUGNET, M. AOUINE, Z.WU, A. GÄNZLER, G. FERRÉ, M. CASAPU, J.D. GRUNWALDT, S. LORIDANT, C. GEANTET, P. VERNOUX, L. MASSIN, P. GÉLIN, "High spatial resolution studies of ceria and ceria based catalysts within an aberration corrected Environmental Transmission Electron Microscope", conference invitee (co-auteur) à Workshop in Operando Science, Gwangju, Corée du Sud, 26 - 28 Avril 2017 <hal-01514335>.
- 47 - 3.249** T. EPICIER, "The TEM nanolab: towards operando microscopy of nanomaterials under gaseous environments", conference invitee à NANOMAT 2017; May 16-19, 2017, Fukuoka, Japan.
- 48 - 3.250** T. EPICIER, "Opportunities to characterize thin films by advanced TEM", conference invitee à l'E-MRS, Strasbourg, F, May 22 to 26, 2017 (<http://www.european-mrs.com/nano-engineering-coatings-and-thin-films-emrs>).
- 49 - 2.120** T. EPICIER, "Nanoparticles in The ETEM: From Gas-Surface Interactions of Single Objects to Collective Behavior of Nanocatalysts", conference invitee à Microscopy & Microanalysis 2017 in St. Louis, Missouri, August 6-10, 2017.
- 50 - 3.265** J. HOSTASA, R. GAUME, A. PIANCASTELLI, S. J. PANDEY, M. MARTINEZ, M. BAUDELET, T. EPICIER, V. BIASINI, L. ESPOSITO, "Silicon content in transparent YAG ceramics, analysis of the production process", invited talk at 42nd International Conference and Exposition on Advanced Ceramics and Composites (ICACC 2018), January 21-26, 2018, Daytona Beach, Florida, USA S14: Crystalline Materials for Electrical, Optical and Medical Applications (session: Optical Material I), <http://ceramics.org/icacc2018>
- 51 - 2.124** T. EPICIER, H. BANJAK, A-S. GAY, T. GRENIER, S. KONETI, V. MAXIM, L. ROIBAN; Very Fast Tomography in the (E)TEM to Probe Dynamics in Materials during Operando and In Situ Experiments, conférence invitée à M&M2018: Microscopy & Microanalysis meeting (www.microscopy.org/MandM/2018/), 5-9 Août 2018, Baltimore, MD, USA. Microsc. Microanal. **24** (Suppl 1), (2018), 1814; DOI: 10.1017/S1431927618009558.
- 52 - 3.295** T. EPICIER, Nanomaterials 'Alive' under Gas in the Environmental Transmission Electron Microscope (ETEM), conférence invitée à ICMAT 2019 <https://icmat2019.mrs.org.sg/symp-list/symp-a/#1517143199497-8f3a7c50-d8b6>, 23 - 28 June 2019, Marina Bay Sands, Singapore.
- 53 - 3.302** F. CADETE SANTOS AIRES, T. EPICIER, M. AOUINE, M. BUGNET, L. ROIBAN, S.H. OVERBURY, Z. WU, F. MEUNIER, L. MASSIN, P. GELIN, G. FERRÉ, P. VERNOUX. Insights on ceria based catalysts obtained by environmental transmission electron microscopy studies, invited talk at 8th Asia Pacific Congress on Catalysis (APCAT-8), Aug 2019, Bangkok, Thailand ; (hal-02276449) (V5-100-1445, <http://www.apcat8.com/wp-content/uploads/2019/07/Program-for-website.pdf>).
- 54 - 3.305** M. BUGNET, T. EPICIER, In situ TEM investigation of gas-solid interactions for catalytic and energy conversion applications, invited talk at International Workshop on Correlated Dynamics in Energy Conversion (ICWE 2019), 2-4 septembre 2019, Göttingen, De, <https://iwce2019.org>
- 55 - 3.306** M. BUGNET, I. PERSHUKOV, T. EPICIER, O. MATZ, M. CALATAYUD, "Advancing the understanding of gas-surface interactions of ceria nanoparticles with environmental TEM", invited conference at E-MRS Fall meeting (symp. Q), 16-19 septembre 2019, Warsaw, Poland ; www.european-mrs.com/meetings/2019-fall/symposia-program.
- 56 - 3.313** E. EHRET, THIERRY EPICIER, E. BEYOU, B. DOMENICHINI, G.V. MAMONTOV, et al. (F.J.C. SANTOS AIRES). Arrays of bimetallic nanoparticles obtained by the block copolymer inverse micelle method. Invited talk at XVIII International Conference of Students and Young Scientists "Prospects of Fundamental Sciences Development", Apr 2021, Tomsk, Russia. <https://hal.archives-ouvertes.fr/hal-03227242>.
- 57 - 3.324** K. FARAZ, T. GRENIER, C. DUCOTTET, T. EPICIER. Intelligent tracking of catalytic nanoparticles trajectories during in situ ETEM experiments. Conférence invitée à MRS Spring Meeting, 8-13 May 2022, Honolulu, United States. (hal-03662979. <https://hal.archives-ouvertes.fr/hal-03662979>).

National meetings (congresses and schools, excluding internal lab seminars)

- 1 - 3.31** EPICIER T ESNOUF C., "cristallochimie des interfaces - apport de la Microscopie Electronique à Haute Résolution", conférence invitée à la réunion J2IM 93 ("Jointes Intergranulaires et Interphases dans les Matériaux"), Aussois (F), Janvier 1993.
- 2 - 3.42** EPICIER T., "Simulation, analyse et traitement d'images de microscopie électronique en transmission à haute résolution", communication invitée au Séminaire CO.M.E.T.T. 'Vision et Matériaux', INSA de Lyon, Villeurbanne, 19-20 Déc. 1994.
- 3 - 3.74** EPICIER T., "MicroAnalyse X sur lames minces en Microscopie Electronique par Transmission ", Conférence Invitée à la réunion de l'ANRT (gr. 8 : Microscopie Electronique à Balayage et MicroAnalyses), Paris, 7-8 Déc. 2000.
- 4 - *2.36** EPICIER T., "Diffraction Electronique : le Cristal Parfait", cours invité et chap. II.2.4. dans 'Ecole thématique : Microscopie des Défauts Cristallins', St Pierre d'Oléron, (2001), ed. Soc. Française des Microscopies, pp. 125-138.
- 5 - *2.37** EPICIER T., THIBAUT J., "Microscopie Electronique à Haute Résolution", cours invité et chap. III.1.3 dans 'Ecole thématique : Microscopie des Défauts Cristallins', St Pierre d'Oléron, (2001), ed. Soc. Française des Microscopies, pp. 229-278.
- 6 - 2.35** EPICIER T., "Développements récents de la Microscopie Electronique en Transmission", Conférence invitée à la réunion SF2M sud-est : 'Matériaux et Microscopie', St-Etienne, 13-14 Mars 2001.
- 7 - 3.97** EPICIER T., "High Resolution and Analytical TEM study of nano-precipitation", conférence invitée au Colloque 'à mi-parcours' du CPR 'Précipitation' Arcelor-Pechiney-CNRS, Autrans (F), 6-9 Octobre 2003.
- 8 - 3.101** EPICIER T., "Imagerie chimique en MET", conférence au Congrès 'SFμ Junior', 22-25 juin 2004, Banyuls-France.

- 9 - 3.105** EPICIER T., "Tomographie Electronique : une introduction sur les méthodes, possibilités et limites", conférence invitée au Colloque "Imagerie 3D en Science des Matériaux" (SF2M Sud-Est), St Etienne – Ecole des Mines, 13-14 octobre 2004.
- 10 - 3.111** EPICIER T., "Transmission Electron Microscopy and Nano-Precipitation", conférence invitée aux Journées d'Automne 2005 (JA2005) de la SF2M (Société Française de Métallurgie et des Matériaux), 25-27 Octobre 2005, F-Paris.
- 11 - 3.128** EPICIER T., "Nano-matériaux et nano-objets : les apports de la Microscopie Electronique en Transmission", conférence invitée au Colloque NANO-HYBRIDES 5, F-Porquerolles, 15-19/06/2008.
- 12 - 3.129** EPICIER T., "Transformations de phase et Microscopie Electronique en transmission", cours invité à l'Ecole thématique CNRS 'Transformations de Phases avec Diffusion dans les Solides', F-Porquerolles, 18-24/05/2008.
- 13 - 3.150** EPICIER T., "Méthodes d'Imagerie en Microscopie Electronique : du 2D vers le 3D", cours à l'école du colloque National MECAMAT - AUSSOIS 11-15 janvier 2010.
- 14 - 3.165** EPICIER T., CAYRON C., "Précipitation métastable dans les alliages Al 6XXX: apports de l'imagerie en STEM HAADF à l'échelle atomique", conférence invitée au 6^e Colloque 'Matériaux, Mécanique, Microstructures', 20-21 juin 2011, INSTN-CEA Saclay.
- 15 - 3.168** A. BOGNER, K. MASENELLI, T. EPICIER, La tomographie électronique: du MET au MEB, communication invitée (symposium 'GNMEBA') au 12^e Congrès de la Soc. Française des Microscopies, Strasbourg 27/06 - 01/07 2011.
- 16 - 4.75** EPICIER T., "The METSA network. Some Aspects of Data Alignment in Direct Space Electron Tomography", Conférence invitée au workshop 'Advances in data acquisition and processing in electron microscopy', October 01-03 2012, Institut P', Poitiers-F.
- 17 - 3. 194** EPICIER T., DANOIX F., "Complementarity HRTEM, EELS and Atom Probe techniques to study precipitation in steels", JEELS2012, Octobre 23-25 2012, Aix-les-Bains, France.
- 18 - 3. 214** AOUINE M., BLANCHARD N., SANTOS AIRES F.C., EPICIER T., LANGLOIS C., "MET environnementale : une innovation ? Premiers résultats sur l'ETEM au CLYM-Lyon", conférence invitée aux 52^e Journées du GUMP, Eindhoven-Pays-Bas, 22-24/10/2013.
- 19 - 3. 221** T. EPICIER, "Les microstructures des matériaux vues au microscope électronique en transmission", Conférence invitée à '150 ans de métallographie à toutes les échelles', Journée organisée par la SF2M, Paris-F, 21 mars 2014.
- 20 - 3. 222** T. EPICIER, "Versatilité du microscope 2010F pour des études microstructurales en Sciences des Matériaux", conférence invitée à CMJ Lille, 2-3 Avril 2014.
- 21 - 4.81** T. EPICIER, "Présentation générale de METSA: fonctionnement, plateformes et équipements disponibles", introduction à la 1^{ère} Journée des utilisateurs du Réseau METSA, Paris – F (CNRS Michel-Ange), 4 février 2014.
- 22 - 4.83** T. EPICIER, "Tomographie électronique", cors invité à la 1^{ère} Edition de l'Ecole Internationale de Microscopie, Fès, Maroc, 29 septembre-02 Octobre 2014.
- 23 - 3.228** N. DESTOUCHES, Z. LIU, G. VITRANT, F. VOCANSON, Y. LEFKIR, D. K. DIOP, T. EPICIER, L. SIMONOT, N. CRESPO-MONTEIRO, D. BABONNEAU, Mécanismes et conditions d'auto-organisation de nanoparticules métalliques sous excitation plasmonique, conférence invitée à Réunion plénière du GDR NACRE, 28-30 Septembre 2015, Oléron, France (<https://sites.google.com/site/gdrnacre/reunions-du-gdr>)
- 24 - 4.89** T. EPICIER, "Structure, chimie et propriétés fonctionnelles des matériaux : les challenges de la microscopie électronique", conférence invitée à ANF 'Chimie du Solide', 23-25 Novembre 2015, Caen, F.
- 25 - 4.93** T. EPICIER, "Nanoscale analysis of materials under "realistic" conditions: I. Dedicated Environmental Microscopy", conférence invitée à 'GLEEM': Gas and Liquid Environmental Electron Microscopy, DEFI CNRS, 13(14 déc. 2016, Paris, F.
- 26 - 3.245** M. BUGNET, T. EPICIER, M. AOUINE, F.J.C. SANTOS AIRES, "Contributions of Environmental TEM to operando surface analysis", Conférence invitée (co-auteur) à 'Journées Surfaces Interfaces', 25-27 Janvier 2017, Rennes, F.
- 27 - 3.248** T. EPICIER, "Le Microscope électronique : un nano-laboratoire d'expérimentations pour les matériaux", conférence Plénière au colloque ANR-SPICE, Paris, F, 20-21 Avril 2017.
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