

Publikationen

- (2019): Integrative Biomimetics of Autonomous Hexapedal Locomotion. In: Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) [November 3-8, 2019; Macau, China].
- (2018): Magnetic films for electromagnetic actuation in MEMS switches. In: Microsystem Technologies, vol. 24, no. 4, pp. 1987-1994. DOI: 10.1007/s00542-017-3595-2.
- (2017): Guiding of Electrons by Al₂O₃ Nanocapillaries. In: Symposium on Condensed Matter Physics (SFKM), Vrsaca, Serbien.
- (2017): Modeling Vaporization, Gas Generation and Venting in Li-Ion Battery Cells with a Dimethyl Carbonate Electrolyte. In: Electrochemical Society Journal, vol. 164, no. 9.
- (2017): Plastic Reactor Suitable for High Pressure and Supercritical Fluid Electrochemistry. In: Journal of The Electrochemical Society, vol. 164, no. 6.
- (2016): New Technique for Voltage Tracking Control of a Boost Converter Based on the PSO Algorithm and LTspice. In: 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Lettland.
- (2016): A distributed multi-agent linear bi-objective algorithm for energy flow optimization in microgrids. In: Proceedings of 2015 IEEE International Renewable and Sustainable Energy Conference (IRSEC'15).
- (2016): Artificial neural network based complaint control for robot arms. In: From Animals to Animats 14, vol. 9825.
- (2016): A New Approach to Control the Modified LinVerter for High Frequency Applications. In: IEEE Applied Power Electronics Conference (APEC2106), Long Beach (Los Angeles), CA, USA.
- (2016): Electrochemical analysis of nanostructured iron oxides using cyclic voltammetry and scanning electrochemical microscopy. In: Electrochimica Acta, vol. 222, pp. 1326-1334.
- (2016): A New Approach to Control the Modified LinVerter for High Frequency Applications. In: Proceedings of the 31st Annual IEEE Applied Power Electronics Conference and Exposition (APEC2016) [March 20-24, 2016; Long Beach, USA].
- (2015): Novel high resolution tactile robotic fingertips. In: IEEE SENSORS 2014, Valencia, Spanien.
- (2015): Electromagnetic actuation in MEMS switches. In: 100% CLIMATE NEUTRALITY Conference, Sønderborg, Denmark.
- (2015): Tactile shoe inlays for high speed pressure monitoring. In: Intelligent Robotics and Applications, Berlin, vol. 9245.
- (2015): A distributed multi-agent linear bi-objective algorithm for energy flow optimization in microgrids. In: 3rd International Renewable and Sustainable Energy Conference (IRSEC'15), Marrakech-Ouarzazate, Morocco.
- (2015): New technique for voltage tracking control of a boost converter based on the PSO algorithm and LTspice. In: 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON). DOI: 10.1109/RTUCON.2015.7343157.
- (2014): Forces in Liquid Metal Contacts. In: ASME 12th Biennial Conference on Engineering Systems Design and Analysis - ESDA 2014, Kopenhagen, Dänemark.

- (2014): High Resolution Tactile Sensors for Curved Robotic Fingertips. In: 3rd International Conference on "Living Machines", Mailand, Italien.
- (2014): Mechatronics. Track chair. In: ASME 2014: 12th Biennial Conference on Engineering Systems Design and Analysis : Engineering Systems; Heat Transfer and Thermal Engineering; Materials and Tribology; Mechatronics; Robotics, Copenhagen, Denmark.
- (2014): Forces in Liquid Metal Contacts. In: Proceedings of the ASME 12th Biennial Conference on Engineering Systems Design and Analysis--2014, New York, N.Y.. DOI: 10.1115/ESDA2014-20114.
- (2014): High Resolution Tactile Sensors for Curved Robotic Fingertips. In: Biomimetic and Biohybrid Systems, Cham, vol. 8608 : Lecture notes in artificial intelligence. DOI: 10.1007/978-3-319-09435-9_37.
- (2014): Novel high resolution tactile robotic fingertips. In: IEEE SENSORS, pp. 791-794. DOI: 10.1109/ICSENS.2014.6985118.
- (2013): Oxygen evolution at vertically aligned core-shell iron-iron oxide nanowire arrays. In: 24th ECS Meeting: Photoelectrochemistry and Photoassisted Electrocatalysis, San Francisco, CA, USA.
- (2013): Nanostructures for organic solar cells. In: NANOTECHNOLOGY 2013, Thessaloniki, Griechenland.
- (2013): Nanostructured materials and interfaces for enhancing photoelectrical and photoelectrochemical conversion. Invited lecture. In: Physics and Chemistry of Advanced Materials (PCAM) European network summer school, Lago di Como, Italien.
- (2013): Static and dynamic magnetic properties of densely packed magnetic nanowire arrays. In: Physical Review B, vol. 87, no. 17. DOI: 10.1103/PhysRevB.87.174429.
- (2012): Scanning electrochemical microscopy : Investigation of oxygen evolution from nanostructured iron oxide films and nanowires.. In: Electrochemistry 2012: Fundamental and Engineering Needs for Sustainable Development, München.
- (2012): Scanning electrochemical microscopy: Investigation of oxygen evolution from nanostructured iron oxide films and nanowires. In: 12th International Fischer Symposium "Frontiers in Nanoelectrochemistry", Lübeck.
- (2012): Scanning electrochemical microscopy : Investigation of oxygen evolution from nanostructured iron oxide films and nanowires. In: 23rd Lecture Conference on Photochemistry, Potsdam.
- (2012): Harvesting energy from the environment :Toward cleaner, safer and more efficient approaches. Fellow lecture. In: Hanse-Wissenschaftskolleg Institute for Advanced Study, Delmenhorst.
- (2012): Charging dynamics in electron transmission through Al₂O₃ capillaries. In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, vol. 279, pp. 190-193.
- (2011): Nanomaterials synthesis and applications. Invited talk.
- (2011): Electrochemical template synthesis of nanostructures. Invited seminar. In: Institute of Condensed Matter Physics - Nanostructured & Complex Matter, Lausanne, Schweiz.
- (2011): Combining electrochemical template synthesis with classical lithography methods of micro- and nanopatterning. Invited seminar. In: Physical Chemistry Symposium of the Center of Interface Science, Oldenburg.
- (2011): Nanostructured materials and applications. Invited talk. In: Centre for NanoHealth, College of Medicine and School of Engineering, Swansea University, Swansea, Großbritannien.
- (2011): Combining electrochemical template synthesis with classical lithography methods of micro and nanopatterning. Invited talk.
- (2011): Charging dynamics in electron transmission through Al₂O₃ capillaries. In: 5th Conference on Elementary Processes in Atomic Systems (CEPAS 2011), Belgrad, Serbien.



- (2011): Guiding of low-energy electrons by Al₂O₃ nanocapillaries.. In: XXVII International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC 2011), Belfast, Nordirland, Großbritannien.
- (2011): On-substrate, self-standing Au-nanorods arrays showing morphology controlled properties. In: Nano Today, vol. 6, no. 1, pp. 12-19. DOI: 10.1016/j.nantod.2010.11.001.
- (2011): Circuit Modeling on Polyaniline Functionalized Nanowire-Templated Micro-Interdigital Capacitors for pH Sensing. In: IEEE Transactions on Nanotechnology, vol. 10, no. 6, pp. 1314-1320.
- (2011): Self-standing corrugated Ag and Au-Nanorods as plasmonic substrates. In: Journal of Materials Chemistry, vol. 21, pp. 6269-6273.
- (2010): Nanofabrication. Session chair. In: 3rd IEEE International NanoElectronics Conference, Hong Kong, China.
- (2010): Electrochemical template synthesis of nanostructures on solid and on flexible substrates. Invited seminar. In: Institute for Pure and Applied Chemistry, Oldenburg.
- (2010): Template synthesized nanostructures on solid and flexible substrates for bio-interfaces and sensing applications. Invited talk and chair of the session "Membranes". In: International Conference on Nanomaterials: Synthesis, Characterization and Applications, Priyadharshini Hills, Kottayam, Indien.
- (2010): Electrochemical template synthesis of nanostructures on solid and on flexible substrates. Invited talk. In: Fraunhofer Institute for Manufacturing Technology and Advanced Materials, Bremen.
- (2010): Carpet of Nanowires on Flexible Silicone Substrate.. In: 3rd IEEE International NanoElectronics Conference, Hong Kong, China.
- (2010): Statistical Processing of Nanoporous Templates with High-Yield Single-Pore Resolution.. In: 3rd IEEE International NanoElectronics Conference, Hong Kong, China.
- (2010): Highly Sensitive pH Detectors Based on Localized Nanowire Arrays. In: 34th International Conference and Exposition on Advanced Ceramics and Composites: 4th International Symposium on Nanostructured Materials and Nanotechnology (ICACC), Daytona Beach, FL, USA.
- (2010): Continuously tunable high magnetic field-induced superconductivity In NbN obtained by template grown ferromagnetic nanowires array. In: International Conference on Superconductivity and Magnetism (ICSM 2010), Antalya, Türkei.
- (2010): Scanning Transmission Ion Microscopy on Al₂O₃ Nanocapillary Arrays.. In: 12th International Conference on Nuclear Microprobe Technology and Applications (ICNMTA 2010), Leipzig.
- (2010): Vertical nanowire architectures: Statistical processing of porous templates towards discrete nanochannel integration. In: Small, vol. 6, no. 18, pp. 1974-1980. DOI: 10.1002/smll.201000723.
- (2010): Nanochannel alignment analysis by scanning transmission ion microscopy. In: Nanotechnology, vol. 21, no. 29. DOI: 10.1088/0957-4484/21/29/295704.
- (2009): Leading Edge Nanotechnology Research Developments. In: Nanotechnology Research Collection, Hauppauge, NY.
- (2009): Nanostructures Grown Via Electrochemical Template Methods (Chapter). In: Encyclopedia of Nanotechnology, New York.
- (2009): Arrays of localized nanowires down to single ones on solid and on flexible substrates using supported nanoporous alumina templates. Invited lecture. Chair of the session "Applications as Sensors II". In: 1st International Conference on Nanostructured Materials and Nanocomposites, Kottayam, Indien.
- (2009): Arrays of vertically aligned nanowires on flexible substrate by using supported nanoporous alumina. Invited lecture. Chair of the session "Nanostructures and Thin Films". Member of the advisory board.. In: 3rd International Workshop on Smart Materials & Structures, Kiel.



- (2009): Low-Energy Electron Transport through High Aspect Ratio Al₂O₃ Nanocapillaries.. In: 17th Symposium on Applications of Plasma Processes (SAPP), Liptovský Ján, Slovakia.
- (2009): Statistical Patterning: A General Route for Nanoporous Templates Structuring with Single-nanopore Resolution. In: MRS2009 Spring Meeting: Architected Multifunctional Materials, San Francisco, CA, USA.
- (2009): Nanowire-Templated Microelectrodes, for Highly-Sensitive pH Detecting Devices. In: 10th International Balkan Workshop on Applied Physics (IBWAP 2009), Constanta, Rumänien.
- (2009): Nanowire-Templated Microelectrodes, for Highly-Sensitive pH Detecting Applications. In: 6th International Conference on Nanosciences & Nanotechnologies (N&N 09), Thessaloniki, Griechenland.
- (2009): High field matching effects in NbN induced by ferromagnetic nanowires array grown in highly ordered nanoporous alumina template. In: Workshop on vortex dynamics in mesoscopic superconductors, Leuven, Belgien.
- (2009): Statistics and single element processing in nanoporous templates.. In: 14th International Conference on Modulated Semiconductor structures (MSS-14), Kobe, Japan.
- (2009): Microwave emission in electrodeposited spin transfer oscillators connected in series. In: International Conference on Magnetism - ICM 2009, Karlsruhe.
- (2009): High field matching effects in FM-SC heterostructures. In: 6th International Conference on Vortex Matter in Nanostructured Superconductors (VORTEX VI), Rhodos, Griechenland.
- (2009): Nanowires and nanostructures fabrication using template methods: A step forward to real devices combining electrochemical synthesis with lithographic techniques. In: Journal of Materials Science: Materials in Electronics, vol. 20, no. 1, pp. 249-254.
- (2009): Ion Guiding in Alumina Capillaries: MCP Images of the Transmitted Ions. In: Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, vol. 267, no. 2, pp. 321-325. DOI: 10.1016/j.nimb.2008.10.017.
- (2009): Artificial pinning centers using the barrier layer of ordered nanoporous alumina templates. In: Journal of Physics: Conference Series, vol. 153, no. 1. DOI: 10.1088/1742-6596/153/1/012013.
- (2009): Quasi-hexagonal vortex pinning lattice using anodized aluminum oxide nanotemplates.. In: Small, vol. 5, no. 21, pp. 2413-2416.
- (2009): High field matching effects in NbN induced by a dense ferromagnetic nanowires array grown in a nanoporous alumina template. In: Applied Physics Letters, vol. 95, no. 25. DOI: 10.1063/1.3276557.
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- (2009): Nanowire-Templated Microelectrodes for High-Sensitivity pH Detection. In: Virtual Journal of Nanoscale Science & Technology (NanoUnion), vol. 19, no. 9.
- (2009): Low-energy electron transmission through high aspect ratio Al₂O₃ nanocapillaries.. In: EPL - A Letters Journal Exploring the Frontiers of Physics, vol. 86, no. 2. DOI: 10.1209/0295-5075/86/23001.
- (2009): Fabrication of nanowires and nanostructures: combining template synthesis with patterning methods. In: Applied Physics A - Materials Science and Processing, vol. 96, no. 3, pp. 603-608. DOI: 10.1007/s00339-009-5085-6.
- (2009): Vertically aligned nanowires on flexible silicone using supported alumina template prepared by pulsed anodization. In: Advanced Materials, vol. 21, no. 40, pp. 4005-4010. DOI: 10.1002/adma.200900344.
- (2009): Dependence of the two-photon photoluminescence yield of gold nanostructures on the laser pulse duration. In: Physical Review B, vol. 80, no. 4. DOI: 10.1103/PhysRevB.80.045411.



(2008): Nanoporous alumina, a key material for nanowires and nanostructures fabrication. Invited lecture. Chair of the session "Condensed matter physics and applications". In: 9th International Balkan Workshop on Applied Physics, Constanta, Rumänien.

(2008): Miniaturizing bio-sensors toward nanoscales. Keynote lecture. Chair of the session "Nanostructured Materials: Science and Technology : Bio-active Nanomaterials". In: Congress on Materials Science and Engineering (MSE08), Nürnberg.

(2008): Template-grown magnetic nanowires for spin-transfer devices. In: Workshop on Recent Trends in Nanomagnetism, Leuven, Belgien.

(2008): Guiding of low-energy electrons through insulating nanocapillaries. In: Electron Controlled Chemical Lithography 2008 Meeting (ECCL2008), Lissabon, Portugal.

(2008): MCP Images of Ions Transmitted Through Ion Guiding Alumina Capillaries. In: 4th Conference on Elementary Processes in Atomic Systems, Cluj-Napoca, Rumänien.

(2008): Fabrication of Localized Nanowires Arrays used for Increasing the Sensitivity in pH Measuring Applications. In: 9th International Balkan Workshop on Applied Physics, Constanta, Rumänien.

(2008): Artificial Pinning Centers Using Ordered Nanoporous Alumina Templates.. In: Workshop on Superconducting Nanosystems, Heverlee, Belgien.

(2008): Artificial Pinning Centers Using Ordered Nanoporous Alumina Templates: Time Effect on Magnetization Curves of Nanostructured Nb Films.. In: International Conference on Superconductivity and Magnetism (ICSM 2008), Side-Antalya, Türkei.

(2008): Transmission of electrons through Al₂O₃ nanocapillaries in the energy range 2-250 eV.. In: 24th International Symposium on the Physics of Ionized Gases, Novi Sad, Serbien.

(2008): Fabrication of Localized Nanowires Arrays Used for Sensing Applications, by Combining Electrochemical Synthesis with Lithographic Techniques. A. In: Congress on Materials Science and Engineering (MSE08), Nürnberg.

(2008): Artificial Pinning Centers Using Ordered Nanoporous Alumina Templates.. In: Congress on Materials Science and Engineering (MSE08), Nürnberg.

(2008): Confined Growth of Nanowires within Supported Alumina Templates for Large Scale Circuit Integration. In: Congress on Materials Science and Engineering (MSE08), Nürnberg.

(2008): Two-photon photoluminescence efficiency in gold nanowires: unexpected dependence on pulse duration.. In: 10th International Conference on Near-field Optics, Nanophotonics and Related Techniques, Buenos Aires, Argentinien.

(2008): Transmission of low-energy electrons through insulating nanocapillaries. In: ESF-FWF Conference in Partnership with LFU: "Chemical Control with Electrons and Photons", Obergurgl, Österreich.

(2008): Magnetotransport on single magnetic nanowires. In: M-SNOWS 2008, Magnetic Single Nano-Object Workshop and School, Nancy, Frankreich.

(2008): Stable field emission from arrays of vertically aligned free-standing metallic nanowires. In: Nanotechnology, vol. 19, no. 21. DOI: 10.1088/0957-4484/19/21/215601.

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- (2008): A versatile method to grow localized arrays of nanowires for highly sensitive capacitive devices. In: Journal of Optoelectronics and Advanced Materials, vol. 10, no. 11, pp. 2936-2941.
- (2007): Controlled growth of single nanowires within a supported aluminium template. In: European Materials Research Society (E-MRS) Spring Meeting, Strasbourg, Frankreich.
- (2007): Nanostructures Grown Via Electrochemical Template Methods: Synthesis, Measurements and Applications (Chapter 10). In: Leading edge nanotechnology research developments, New York.
- (2007): Nanowires and nanostructures fabrication using template methods: A step forward to real devices combining electrochemical synthesis with lithographic techniques. Invited speaker. In: International Conference on Optical, Optoelectronic and Photonic Materials and Applications (ICOOPMA07), London, Großbritannien.
- (2007): Fabrication of nanowires and nanostructures. Measurements and applications. Keynote lecture. Chair of the session "Nanostructured materials I". In: International Workshop on Smart Materials & Structures, Kiel.
- (2007): Guided transmission of low-energy electrons by highly ordered Al₂O₃ nanocapillaries. In: 9th European Conference on Atoms Molecules & Photons (ECAMP 9), Kreta, Griechenland.
- (2007): Nanowires Arrays Used For Biosensors with High Active Surfaces.. In: Leuven Nano-Conference – LNC'07, Leuven, Belgien.
- (2007): Controlled growth of single nanowires within supported alumina template: towards circuit Integration. In: Leuven Nano-Conference – LNC'07, Leuven, Belgien.
- (2007): Template-Grown Magnetic Nanowires for Spin Transfer Devices. In: International Conference on Nanoscale Magnetism (ICNM-2007), Istanbul, Türkei.
- (2007): Guiding of few keV ions in insulator nanocapillaries. In: Theoretical and Computational Physics Seminars, Belfast, Nordirland, Großbritannien.
- (2007): Ion-insulator interactions inside ion-guiding nanocapillaries.. In: International Symposium on Ion Atom Collisions (XX ISIAC), Agios Nikolaos, Kreta, Griechenland.
- (2007): Vortex pinning in superconductors laterally modulated by nanoscale self-assembled arrays.. In: Joint ESF and JSPS Conference on Vortex Matter in Nanostructured Superconductors (VORTEX V), Rhodos, Griechenland.
- (2007): Guiding of low-energy electrons by highly ordered Al₂O₃ nanocapillaries. In: Virtual Journal of Nanoscale Science & Technology (NanoUnion), vol. 15, no. 13.
- (2007): Spin momentum transfer effects observed in electrodeposited Co/Cu/Co nanowires. In: Journal of Applied Physics, vol. 102, no. 10. DOI: 10.1063/1.2812677.
- (2007): High field matching effects in superconducting Nb porous arrays catalyzed from anodic alumina templates. In: Physica C: Superconductivity and its Applications, vol. 459, no. 1-2, pp. 5-10. DOI: 10.1016/j.physc.2007.04.194.
- (2007): Guiding of low-energy electrons by highly ordered Al₂O₃ nanocapillaries. In: Physical Review A, vol. 75, no. 3. DOI: 10.1103/PhysRevA.75.030901.
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- (2007): Spin momentum transfer effects observed in electrodeposited Co/Cu/Co nanowires. In: Virtual Journal of Nanoscale Science & Technology (NanoUnion).
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- (2006): Transmission of 50-200 eV Electrons through Highly Ordered Al₂O₃ Nanocapillaries.. In: 23rd Symposium on Physics of Ionized Gases – SPIG'2006, Kopaonik, Serbien.
- (2006): Capillary guiding of slow Ne⁶⁺ ions in anodic alumina. In: 16th International Workshop on Inelastic Ion-Surface Collisions (IISC-16), Hernstein, Österreich.
- (2006): Electrochemical fabrication of nanowires and their physical properties. In: Congrès international sur la basse dimensionalité et la nanotechnologie, El Jadida, Marokko.
- (2006): Controlled growth of single nanowires within a supported alumina template. In: Nanotechnology, vol. 17, no. 19, pp. 4873-4876. DOI: 10.1088/0957-4484/17/19/016.
- (2006): Vortex pinning in superconducting Nb thin films deposited on nanoporous alumina templates. In: European Physical Journal B: Condensed Matter and Complex Systems, vol. 53, no. 2, pp. 199-203. DOI: 10.1140/epjb/e2006-00358-7.
- (2006): A New Approach to the Spectral Analysis of Liquid Membrane Oscillators by Gabor Transformation. In: Journal of Physical Chemistry B, vol. 110, no. 1, pp. 289-294. DOI: 10.1021/jp0557870.
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- (2005): Growth and field emission properties of vertically aligned cobalt nanowire arrays. In: European GDR on sciences and applications of nanotubes, Houffalize, Belgien.
- (2005): Chemical kinetic approach to the mechanism of coupled transport of Cu(II) ions through bulk liquid membranes. In: Journal of Physical Chemistry A, vol. 109, no. 44. DOI: 10.1021/jp055525y.
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- (2004): Développement de nouveaux matériaux pour l'électrodéposition de nanofils multicouches à magnétorésistance géante. In: Colloque Louis Néel, Autrans, Frankreich.
- (2004): Superconducting properties of Nb films with a periodic pinning array prepared by self-organising anodisation. In: Workshop on Chemistry and Self-Assembly for Nanotechnology, Namur, Belgien.
- (2004): New routes for producing nanowires and nanotubes and their physical properties. In: TNT 2004 International Conference, Segovia, Spanien.
- (2004): Study of electrodeposited hard ferromagnetic CoPt nanowires. In: The Fourth International Conference on Inorganic Materials, Antwerpen, Belgien.
- (2004): Selective formation of diamond-like carbon coating by surface catalyst patterning. In: Carbon, vol. 42, no. 8-9, pp. 1879-1882. DOI: 10.1016/j.carbon.2004.03.004.



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- (2003): Current-voltage characteristics of quasi-one-dimensional superconductors: an S-shaped curve in the constant voltage regime. In: Physical Review Letters - moving physics forward, vol. 91, no. 15. DOI: 10.1103/PhysRevLett.91.157001.
- (2003): Nanoporous alumina templates for the growth of nanowires and nanotubes. Invited seminar. In: Institute of Nuclear Research of the Hungarian Academy of Sciences, Debrecen, Ungarn.
- (2003): I-V characteristics of Pb and Sn superconducting nanowires. In: March Meeting of the American Physical Society, Austin, TX, USA.
- (2003): Transport and magnetism in nanowires. In: 203rd Meeting of the Electrochemical Society, Paris, Frankreich.
- (2003): Current-voltage characteristics of quasi-one-dimensional superconductors: An S-curve in the constant voltage regime. In: International Scientific meeting BNV-SBP, Gent, Belgien.
- (2003): Current-voltage characteristics of quasi-one-dimensional superconductors: An S-curve in the constant voltage regime. In: The Joint 9th International Workshop on Vortex Dynamics and Vortex Matter (ESF), Île d'Oléron, Frankreich.
- (2003): Spin-dependent transport in ferromagnetic nanocontacts fabricated by electrodeposition in nanopores. In: International Conference on Magnetism (ICM 2003), Rom, Italien.
- (2003): Investigation of superconducting properties of nanowires prepared by template synthesis. In: Superconductor Science and Technology, vol. 16, no. 5, pp. 557-561. DOI: 10.1088/0953-2048/16/5/302.
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- (2002): Fabrication and properties of arrays of type II lead nanowires. In: ESF Workshop, programme VORTEX, Prag, Tschechische Republik.
- (2002): Fabrication and properties of arrays of type II lead nanowires. In: Feynman Workshop, Louvain-la-Neuve, Belgien.
- (2002): Nanocontacts magnétiques électrodéposés et conductance quantifiée. In: 8èmes Journées de la Matière Condensée (JMC8), Marseille, Frankreich.
- (2002): Fabrication et propriétés d'un nanofil de plomb ou d'étain. In: 8èmes Journées de la Matière Condensée (JMC8), Marseille, Frankreich.
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(1998): Utilizarea compusului Mn3O4 ca element sensibil al unui traductor de temperatură. In: Sesiunea de comunicări științifice, published in Analele Universității din Oradea/Romania.

(1998): The implementation of the PID regulator using numeric filter algorithm with infinite impulse response. In: Sesiunea de comunicări științifice, published in Analele Universității din Oradea/Romania.

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