

8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers - Rostock, Germany

Poster Presentations (in alphabetical order of the first author)

#	First Author	Poster Title	City, Country
1	Afshar, Rana	3-Dimensional Focusing of Magnetic Particles in a Microfluidic Chip	Lausanne, Switzerland
2	Ahrentorp, Fredrik	Sensitive high frequency AC susceptometry of magnetic nanoparticle systems	Göteborg, Sweden
3	Ally, Javed	Recent Advances and Fundamentals of Magnetically Targeted Aerosol Particles in the Airways	Edmonton, Canada
4	Anandakumar, S.	Magnetic Carriers Translocation in Microfluidics	Daejeon, South Korea
5	Araujo, Ana	Mössbauer characterization of magnetite/polyaniline magnetic nanocomposite	Recife, Brasil
6	Arias, Jose L.	Formulation and characterization of maghemite/poly(D,L-lactide-co-glycolide) (core/shell) nanoparticles	Granada, Spain
7	Asin Pardo, Laura	Biodistribution study of magnetic and fluorescent nanoparticles within dendritic cells and their effect in the maturation stage	Zaragoza, Spain
8	Asin Pardo, Laura	Cell Internalization of Magnetite Nanoparticles by Dendritic Cells for Intracellular Magnetic Hyperthermia.	Zaragoza, Spain
9	Astalan, Andrea	The use of high frequency AC susceptometry in magnetic hyperthermia	Paris, France
10	Augusto, Paulo	Arsenic removal from water by magnetic separation: a review and a case study using magnetic aggregates and magnetic stabilized bed	Salamanca, Spain
11	Avdeev, Mikhail	Aggregate structure in biocompatible aqueous magnetic fluids with steric and electrostatic stabilization	Moscow, Russia
12	Aviles, Misael	Design of magnetic collagen gels and their effect in cell behavior	Evanston, IL, USA
13	Balaji, Deepak	Surface coating dependent selection of Superparamagnetic Nanoparticles for whole cell isolation	Leuven, Belgium
14	Balasoju, Maria	Small angle neutron scattering methods in magnetic nanoparticles diagnostics	Dubna, Russia
15	Basina, Georgia	Synthesis of Water-Soluble Inverse Spinel Ferrites (FeFe ₂ O ₃ and MnFe ₂ O ₄) by a Modified Polyol Process as Contrast Agents in Medical Magnetic Resonance Imaging	Athens, Greece
16	Basly, Brice	Suspensions of dendronised iron oxide nanoparticles for biomedical applications	Strasbourg, France
17	Batalha, Iris	Biopolymeric magnetic particles for bioseparation purposes	Caparica, Portugal
18	Baumann, Romy	In vitro Investigations for Magnetic Lung Drug Targeting: Influence of Particle Size of Magnetite Nanoparticles on the Deflection in Magnetic Fields	Greifswald, Germany
19	Beaucorps, de, Caroline	Innovative Nanoprobes for Magnetic Immunoassays: Elaboration and Characterization	Paris, France
20	Benelmekki, Maria	Contribution to the study of Ferrite nanobeads: Synthesis, characterization and investigation of Horizontal Low Gradient magnetophoresis behaviour and reversible aggregation	Braga, Portugal
21	Bokharai, Mehrdad	Production of Monosized Microspheres Using Flow Focusing	Vancouver, Canada
22	Bregar, Vladimir	Magnetization state in magnetic nanoparticle agglomerates	Ljubljana, Slovenia
23	Brusentov, N.	Combined MRI-adaptive Magneto-thermo-polychemotherapy for Improved Cancer Treatment	Moscow, Russia
24	Büttner, Markus	Investigation of the connection of magnetic active core sizes and hydrodynamic diameters of a magnetically fractionated ferrofluid	Jena, Germany
25	Burdinski, Dirk	Liposomal Tracers for Magnetic Particle Imaging (MPI)	Eindhoven, Netherlands
26	Bustamante, Rodney	Magnetic fluids of maghemite-poly(vinylpyridine) nanoparticles as multifunctional platform for theragnostic	Zaragoza, Spain
27	Byrne, Fiona	Application of Magnetic Nickel Nanowires to macrophage cells and osteoblast cells: biocompatibility study and clinical future perspectives	Dublin, Ireland
28	Carneiro, Marcella	Cytotoxicity effect of rhodium (II) citrate loaded magnetic nanoparticles and magnetoliposomes in breast cancer and normal breast cells	Brasilia, Brasil
29	Chandra, Sudeshna	Design of a glucose amperometric biosensor by novel arginated Fe ₃ O ₄ nanoparticles	Mumbai, India
30	Chen, D.-X.	Size distribution and magnetic structure of iron-oxide nanoparticles studied by measuring magnetization curves at various temperatures	Bellaterra, Spain
31	Chen, Yun	Magnetic manipulation of actin orientation, gliding and polymerization using nano-sized iron oxide particles	Bethesda, MD, USA
32	Chiriac, Horia	Preparation method for magnetite and continuous solid solutions of magnetite-maghemite	Iasi, Romania
33	Chiriac, Horia	Detection of disease-related DNA through metallic nanowires	Iasi, Romania
34	Chiriac, Horia	Fe/Fe ₂ O ₃ and Fe/Fe ₃ O ₄ core-shell nanoparticles for biomedical applications	Iasi, Romania
35	Chuev, Mikhail	Interpretation of Mössbauer spectra of magnetic nanoparticles delivered into mouse spleen	Moscow, Russia
36	Chung, Ting-Hao	Preparation of Magnetic Styrene-Based Polymeric Microspheres: Influence of Incubation Time and Concentration of Magnetic Nanoparticles	Chiayi, Taiwan
37	Clarke, Sarah	Magnetic Polymer Nanocomposite Materials for Targeted Drug Release in Cancer.	Dublin, Ireland
38	Cordo, Paloma	Nanoparticles of Molybdenum Chlorophyllin Photosensitizer and Magnetic Citrate-Coated Cobalt Ferrite complex available to Hyperthermia and Photodynamic Therapy clinical trials	Ribeirão Preto, Brasil
39	Craciunescu, Izabell	Functionalized fluorescent magnetic nanoparticles for biomedical application	Cluj-Napoca, Romania
40	Creixell, Mar	Targeted magnetic nanoparticles for magnetic fluid hyperthermia.	Mayagüez, Puerto Rico
41	Cummins, Zach	Manipulating Ferrofluid at a Distance: Magnets Pushing and Dynamic Control	College Park, MD, USA
42	Delyagina, Evgenya	PEI 600 Da conjugated to magnetic nanobeads as a non-viral vector for gene delivery	Rostock, Germany
43	Dennis, Cindi	Fallacy of the Conventional Method for Determination of the Blocking Temperature of Magnetic Nanoparticle Systems	Gaithersburg, MD, USA
44	Dong, Guijun	Functionalized paramagnetic iron oxide nanoparticles (PIONs) for the application of targeted muscle damage therapy	Jinan, China
45	Dutz, Silvio	Fractionation of Magnetic Microspheres in a Microfluidic Spiral	Jena, Germany
46	Dutz, Silvio	Magnetic Properties of Iron Oxide Multicore Nanoparticles Classified by Asymmetric Flow Field-Flow Fractionation	Jena, Germany
47	Dzarova, Anezka	How synthetic and bacterial magnetic nanoparticles influence human leukocyte activity	Košice, Slovakia
48	Eberbeck, Dietmar	Effect of MNP-core size and aggregates of MNP on the signal amplitude for Magnetic Particle Imaging	Berlin, Germany

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#	First Author	Poster Title	City, Country
49	Emadi, Masoomeh	Immobilization of Thiazazole Derivatives in Magnetite With Mesoporous Silica Shell; Application to Heavy Metal Removal from Biological Sample	Marvdasht, Iran
50	Epherre, Romain	Glycine nitrate process for the elaboration of manganite nanoparticles as possible self-regulating mediators for hyperthermia	Pessac, France
51	Erglis, Kaspars	Three dimensional dynamics of ferromagnetic swimmer	Riga, Latvia
52	Erne, Ben	Colloidal Nanoparticle Interactions in Liquid Environment Quantified by Cryogenic Electron Microscopy	Utrecht, The Netherlands
53	Estevez, A	Preparation, characterization and testing of alginate based magnetic carriers and others for arsenic removal of water	Salamanca, Spain
54	Falqueiro, André	Preparation and characterization of Selol-loaded magnetic nanocapsules for hyperthermia cancer therapy	São Paulo, Brasil
55	Fantechi, Elvira	Influence of cobalt content on the hyperthermal efficiency of ferrite nanoparticles	Sesto, Italy
56	Ferguson, R Matthew	Size-dependent magnetic relaxation in magnetite nanoparticles: lessons for Magnetic Particle Imaging	Seattle, WA, USA
57	Foca-nici- Ciurlica, Ecaterina	Oleate coated magnetic cores based on magnetite, Zn ferrite and Co ferrite nanoparticles; preparation, physical characterization and biological impact on Helianthus annuus photosynthesis	Iasi, Romania
58	Focanici-Ciurlica, Ecaterina	Comparative cytogenetic study on magnetic nanoparticle toxicity in plants	Iasi, Romania
59	Fox, Eoin	Phase transfer of Magnetic Iron-Oxide Nano-Particles using phosphate based ligands	Dublin, Ireland
60	Frimpong, Reynolds	Synthesis Conditions, Interactions and Their Effect on the Anisotropy	Lexington, KY, USA
61	Fuhrer, Roland	Highly magnetic nanocomposite actuator for artificial muscle applications	Zurich, Switzerland
62	Gaboyard, Manuel	Activ-Adembeads : A new ready-to-use tool for sensitive magnetic beads-based immunoassays and biosensors	Zurich, Switzerland
63	Garcia, Monica	DMSA-coated magnetic fluid clearance by mouse liver	Brasilia, Brasil
64	Gassner, Anne-Laure	Multiplug magnetic beads trapping in a capillary with a magnets necklace	Lausanne, Switzerland
65	Gomez, Jorge	Quantitative FMR measurements of Magnetic Immunoassays	São Paulo, Brazil
66	Gorobets, S	MFM characterization of magnetic nanoparticles for yeast cell labling	Kyiv, Ukraine
67	Gorschinski, Angelika	A synthesis to magnetic metal nanoparticles and dual-functional microspheres	Karlsruhe, Germany
68	Guilherme, Luciana	Encapsulation of rifampicin and nanosized magnetic particles within biocompatible polymeric nanocapsules	Brasilia, Brasil
69	Guo, Chen	Temperature-Responsive Magnetite/PEO-PPO-PEO Block Copolymer Nanoparticles for Controlled Drug Targeting Delivery	Beijing, China
70	Gutiérrez, Marlen	Magnetic zeolite as carrier of proteins	Santiago, Chile
71	Habulin, Maja	Activity of cholesterol oxidase immobilized onto magnetic nanoparticles	Maribor, Slovenia
72	Hajdú, Angéla	The role of the hydrophilic coverage on magnetic core in MRI contrast enhancement at different field strengths	Szeged, Hungary
73	Hecht, Ariel	The AMBR assay: A novel biosensor based on magnetic torque	Ann Arbor, MI, USA
74	Heidsieck, Alexandra	Efficient Targeting of Magnetic Nanoparticle Complexes in the Cardiovascular System	Munche, Germany
75	Heim, Erik	Fluxgate magnetorelaxometry of superparamagnetic nanoparticles for hydrogel characterization	Braunschweig, Germany
76	Herrmann, Inge	Therapeutic blood purification using functionalized core/shell nanomagnets	Zurich, Switzerland
77	Hershberger, Stefan	Scalable Magnetic Designs to Achieve Comparable Capture Rates and Capture Efficiency across Multiple Vessel Diameters	Abbott Park, IL, USA
78	Hirota, Noriyuki	Observation and Numerical Simulations of the Self-Organization Phenomena of Feeble Magnetic Particles due to the Induced Magnetic Dipole Interactions	Tokyo, Japan
79	Horák, Daniel	Modified magnetic poly(2-hydroxyethyl methacrylate-co-glycidyl methacrylate) microspheres for bacterial DNA isolation	Brno, Czech Republic
80	Hornig, Herg-Er	High-sensitivity immunomagnetic reduction assay on tumor biomarkers using high-Tc superconducting quantum interference device	Taipei, Taiwan
81	Horska, Katerina	Large scale magnetic separation of Solanum tuberosum lectin from potato starch industry waste water	Ceske Budejovice, Czech Republic
82	Hu, Kuowei	pH-dependence of Biodegradable Silica Nanotubes toward Oral Delivery of Drugs and MR Imaging Contrast Vectors: in situ Etching and Chelating of Gd ³⁺ from Gd(OH) ₃ Nanorods	Tainan City, Taiwan
83	Hu, Lili	Intrinsic peroxidase-like activity of Bacterial magnetic nanoparticles	Beijing, China
84	Huang, Chih-Chia	Truncated octahedral magnetite nanoparticles: size-controlled synthesis, characterization, and potential application in MR imaging	Tainan City, Taiwan
85	Huber, Dale	Synthesis, Functionalization, and Magnetic Characterization of Magnetite Nanoparticles for Applications in Nano-medicine	Albuquerque, NM, USA
86	Ibrahim, Mounir	Loading Erythrocytes with Magnetite Nanoparticles via Osmotic Pressure Induced Cell Membrane Pores	Crawley, Australia
87	Jaiswal, Manish	Temperature triggered drug release, in vivo biodistribution and biocompatibility studies of poly(N-isopropylacrylamide)-chitosan based magnetic nanohydrogels	Mumbai, India
88	Ji, Yanqin	Preparation and Characterization of Magnetic Polymer Microspheres for the Separation of Radioactive Strontium	Beijing, China
89	Jing, Ying	Optimization of heating performance assisted by dynamic coercivity analysis for magnetic hyperthermia	Minneapolis, MN, USA
90	Jozefczak, A.	Heating ability of magnetite labeled single-walled nanotubes	Poznań, Poland
91	Juan, Eduardo	Closed-Loop Temperature Control of Cobalt Ferrite Ferrofluids Using Continuous Modes Controllers	Mayagüez, Puerto Rico
92	Karadeniz, Hakan	Electrochemical biosensor for detection of DNA hybridization using indicator-based and indicator-free magnetic assays	Izmir, Turkey
93	Karl, Stephan	High gradient magnetic fractionation for the detection of malaria transmitting gametocytes	Crawley, Australia
94	Kauffmann, Paul	Diamagnetic trapping of cells above micro-magnets	Grenoble, France
95	Kekalo, Katsiaryna	Synthesis and characterization of magnetite-containing particles with dextran/chitosan coating	Minsk, Belarus
96	Kettering, Melanie	Internalization and cytotoxicity effects of different iron oxide magnetic nanoparticle coatings on tumour cells	Jena, Germany
97	Khandhar, Amit	Systematic protocol for optimizing monodispersed magnetite nanoparticles for combined applications in biomedical imaging and therapy	Seattle, WA, USA

8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers - Rostock, Germany

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#	First Author	Poster Title	City, Country
98	Khurshid, Hafsa	Polysiloxane DiblockCopolymer Coated Iron Nanoparticles as Excellent MRI Contrast Enhancement Agents	Newark, DE, USA
99	Kim, D	Magnetic nano-micelles for simultaneously triggered drug delivery and hyperthermia	Argonne, IL, USA
100	Kimpe, Katrien	The use of Magnosphere™ MS300/Tosyl paramagnetic beads in HCV and EBV assay formats.	Leuven, Belgium
101	Kitenbergs, Guntars	Thermal fluctuation effects in magnetophoresis of superparamagnetic microbeads	Riga, Latvia
102	Koch, Martin	On the Question of Magnetization	Copenhagen, Denmark
103	Koehler, Fabian	Magnetic EDTA: Coupling heavy metal chelators to metal nanomagnets for rapid removal of cadmium, lead and copper from contaminated water	Zurich, Switzerland
104	Kolesnichenko, Vladimir	Synthesis, colloid and surface chemistry of metal oxide nanoparticles	New Orleans, LA, USA
105	Komissarova, Lubov	Development of Magnetic Operated Preparations for Boron Neutron Capture of Tumour Therapy	Moscow, Russia
106	Kralj, Slavko	Silica-coated fluorescent magnetic nanoparticles marked with monoclonal antibodies for breast-cancer targeting	Ljubljana, Slovenia
107	Kumar, Ananda	Reduced non-specific tissue heating with dielectric shielding for magnetic nanoparticle-mediated thermal therapy for metastatic prostate cancer	Baltimore, MD, USA
108	Lak, Aidin	Influence of synthesis parameters on magnetization and size of iron oxide nanocrystals	Braunschweig, Germany
109	Lapresta-Fernandez, Alejandro	Magnetic core-shell fluorescent pH nanosensors	Jena, Germany
110	Larsen, Esben	Size-dependent Accumulation of PEGylated Coated Magnetic Iron Oxide Nanoparticles in Tumours	Aarhus, Denmark
111	Latha, Subbiah	Development and assessment of sucralfate magnetic nanosuspension for targeted ulcer therapy	Tamil Nadu, India
112	Latha, Subbiah	Formulation, design, development, optimisation and evaluation of azithromycin magnetic nanoemulsion	Tamil Nadu, India
113	Latorre-Esteves, Magda	Effects of Nanoparticle Surface Charge On Cellular Uptake and Mechanism of Internalization In Vitro	Mayagüez, Puerto Rico
114	Leonowicz, Marcin	Structure and properties of magnetic beads for biological sensor applications	Warsaw, Poland
115	Lerche, Dietmar	Characterization of dispersion properties of magnetic fluids derived from nano particles by multi-sample analytical centrifugation	Berlin, Germany
116	Li, Aihua	A novel method for rapid detecting Salmonella enteritidis and Escherichia coli O157 by immuno-magnetic capture / double-tagging PCR / enzyme immunoassay	Beijing, China
117	Liao, Mei-Yi	Kirkendall effect for fabrication of hollow MnF ₂ O ₄ nanostructures as contrast efficacy T2 imaging agents	Tainan, Taiwan
118	Liao, Shu-Hsien	Characterization of oscillation dynamics of magnetic nanoparticles at ultra-low frequencies	Taipei, Taiwan
119	Liebi, Marianne	Magnetoresponse Lanthanide Doped Phospholipid Vesicles	Zurich, Switzerland
120	Lin, Yu-Sheng	Preparation of Silica Coated Superparamagnetic Nanoparticles and Its Application in Immobilization of Endo-Xylanase	Chiayi, Taiwan
121	López, Jorge	Investigation of the magnetic behaviour in Fe ₃ O ₄ ferrofluid	Rio Branco, Brazil
122	Ludwig, Frank	Characterization of magnetic core-shell nanoparticle suspensions using ac susceptibility for frequencies up to 1 MHz	Braunschweig, Germany
123	Lunov, Oleg	Thermal Destruction on the Nanoscale: Cell Membrane Hyperthermia with Functionalized Magnetic Nanoparticles	Ulm, Germany
124	Mahmoudi, Morteza	Interaction of Partially Iron Saturated Human Transferrin with Superparamagnetic Iron Oxide Nanoparticles	Tehran, Iran
125	Makovec, Darko	Superparamagnetic clusters as carriers for an anatase photocatalyst	Ljubljana, Slovenia
126	Malinge, Pauline	Antibody and Fc-fusion Protein Purification using Protein A/G coated Beads	Geneva, Switzerland
127	Manina, Elena	Biomedical examination of Fe-Co oxide nanoparticles for local ferromagnetic hyperthermia	Minsk, Belarus
128	Manju, Saraswathy	Functionalization of magnetic nanoparticles using curcumin conjugates: A multidrug carrying vehicles for targeted drug delivery applications.	Trivandrum, India
129	Mardinoglu, Adil	Mathematical Modelling of the Magnetic Carrier Collection Efficiency with Magnetisable Stent Implant in a Mechanically Stretched Vessel. Future Application of Implant Assisted Magnetic Drug Targeting.	Dublin, Ireland
130	Marten, Gernot	Magnetoresponse Biocatalysts	Düsseldorf, Germany
131	Masrour, Rachid	Physical properties and giant magneto-resistance in perovskite	Fez, Morocco
132	Matoussevitch, Nina	Au ₅₅ -clusters and magnetic nanoparticles for biomedical applications	Kehl, Germany
133	Maurizi, Lionel	New method of synthesis of SPIONs: in vitro and in vivo biological applications as a MRI contrast agent	Dijon, France
134	McFadden, Meghan	Magnetic Beads in Mixture Screens for Modulators of Protein-Protein Interactions	Hamilton, Canada
135	Mefford, Thompson	Size effects of polymer-nanoparticles systems in magnetic hyperthermia	Clemson, SC, USA
136	Mesarsova, Monika	The impact of surface modifications on the biological activity of superparamagnetic magnetite nanoparticles.	Bratislava, Slovakia
137	Montràs, Anna	Bio-activated magnetic beads for a cost effective isolation of biological molecules: Fast separation and reusability using Low Field Gradient Magnetophoresis	Barcelona, Spain
138	Moore, Lee	Coupling of planar Halbach array to a step-SPLITT channel for continuous sorting of magnetic microspheres	Celveland, OH, USA
139	Morjan, Ion	Recent advances in the synthesis and characterization of magnetic iron oxide nanoparticles prepared by laser pyrolysis	Bucharest, Romania
140	Müller, Eberhard	Investigations on Controlling the Crystal Modification of Fe ₂ O ₃ Nanoparticles Produced by CO ₂ Laser Vaporization	Freiberg, Germany
141	Nadejde, Claudia	Magnetite submicron particles coated with rifampicin and fluorescent chlortetracycline for drug delivery applications	Iasi, Romania
142	Nadejde, Claudia	Double-layered magnetic nanoparticles for biological applications	Iasi, Romania
143	Nan, Alexandrina	Application of click chemistry for functionalization of polypyrrole coating the magnetic nanoparticles	Cluj-Napoca, Romania
144	Nejadmoghammad, Mohammad Reza	Extraction and purification of Nanomagnetic particles from bacteria	Tehran, Iran
145	Newman, Brant	Endothelialization of Magnetic Graft Materials using SPM-labeled Endothelial Cells	Rochester, MN, USA
146	Nikitin, Maxim	Study of magnetic particle in vivo degradation by Mössbauer spectroscopy	Moscow, Russia
147	Nikolaev, Boris	Preparation of magnetic iron oxide nanoparticles in water-in-oil micro-emulsion stabilized by nonionic surfactant Tween 81 for MRI diagnostics	St. Petersburg, Russia

8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers - Rostock, Germany

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#	First Author	Poster Title	City, Country
148	Nunes, Eloiza	Colloid preparation of maghemite nanoparticles functionalized with dirhodium(II) citrate	Goiania, Brazil
149	Oh, Sunjong	Magnetic labels detection in paper chromatography using planar hall resistance sensor	Daejeon, South Korea
150	Oliveira, Tiago	Interaction of J774A1 macrophages with iron oxide nanoparticles coated with dextran	São Paulo, Brasil
151	Olivetti, Elena	Functionalised magnetic nanoparticles for nucleic acids separation in plant disease diagnostics	Torino, Italy
152	Orlov, Alexey	Optimization of Immunoassays based on Magnetic Nanolabels by Optical Biosensor Picoscope™	Moscow, Russia
153	Ortega, Daniel	Nanoscale imaging of magnetically loaded stem cells as diagnostic and therapeutic vectors for lung cancer	London, England
154	Ozturk, Hande	Growth of block copolymers from the surface of magnetic nanoparticles	Istanbul, Turkey
155	Papa, Anne-Laure	Functionalized titanate nanotubes as potential carriers in nanomedicine	Dijon, France
156	Payer, Petra	Synthesis and Clinical Application of Magnetic Nanoparticles	Jena, Germany
157	Pecova, Michaela	Fast and Efficient Proteolysis Using Trypsin Immobilized on Magnetic Nanoparticles Isolated from Magnetotactic Bacteria	Olomouc, Czech Republic
158	Peeters, Sara	Real-time PCR to study the sequence specific magnetic purification of DNA	Leuven, Belgium
159	Pina, Ana	Immobilization of enzyme bovine enterokinase on biopolymeric magnetic shells	Caparica, Portugal
160	Pivetal, Jérémy	Trapping of magnetically-labelled liposomes on flat micro-patterned hard magnetic films	Ecully, France
161	Pondman, Kirsten	Trapping of spherical and elongated magnetic particles in microfluidic systems	Enschede, The Netherlands
162	Pouponneau, Pierre	FeCo nanoparticles encapsulated into biodegradable microparticles for targeted liver chemoembolization	Montréal, Canada
163	Prabhakaran, Shanmugam	Synthesis and Antibacterial Activity of Multifunctional Fe ₃ O ₄ -Ag Heterodimer Nanoparticles	Mumbai, India
164	Pyshnyi, Michael	Visualization of magnetic microparticles in blood vessels using synchronous ultrasonic Doppler imaging.	Moscow, Russia
165	Raikher, Yuriy	Theory of the magneto-inductive hyperthermia in a rotating field	Perm, Russia
166	Richter, Heike	Multichannel magnetorelaxometry in vivo monitoring of magnetic nanoparticle quantity for thermal ablation studies	Berlin, Germany
167	Rinaldi, Carlos	Nonlinear Energy Dissipation of Magnetic Nanoparticles in Oscillating Magnetic Fields	Mayagüez, Puerto Rico
168	Rodriguez, Anselmo	RF susceptibility of magnetic nanoparticles system with application in Biomedicine	Rio Branco, Brazil
169	Rodriguez, Guillermo	Fast detection of Legionella pneumophila in cooling towers by immunomagnetic microspheres	Castellón, Spain
170	Roig, Anna	Iron oxide nanoparticles in microporous silica shell presenting enhanced r2 relaxivity values	Bellaterra, Spain
171	Rossier, Michael	Selective noble metals extraction from dilute, acidic streams using functionalized carbon-coated nanomagnets	Zurich, Switzerland
172	Rusu, Viorel	MagnaFy: the use of iron oxide nanoparticles enabling MRI visibility of medical devices	Aachen, Germany
173	Sadeghiani, Neda	Effects of Magnetohyperthermia on Ehrlich Solid Tumor	Brasília, Brasil
174	Saez-Fernandez, Eva	Multifunctional magnetic nanomedicine based on poly(ϵ -caprolactone)	Granada, Spain
175	Safarikova, Mirka	Magnetic affinity starch adsorbent for the purification of cyclodextrin glucanotransferase	Ceske Budejovice, Czech Republic
176	Schaetz, Alexander	Homogeneous Catalysts immobilized on Carbon Coated Cobalt Nanoparticles	Zurich, Switzerland
177	Scheucher, Elisabeth	Magnetic optical sensor particles for pH measurement	Graz, Austria
178	Schneider, Thomas	Towards stem cell sorting by differential surface marker expression	Cleveland, OH, USA
179	Schreiber, Eveline	Comparison of Mitoxantrone and Nanoparticle Distribution after Magnetic Drug Targeting in an ex vivo Bovine Artery Model	Erlangen, Germany
180	Schrittwieser, Stefan	Optical relaxation measurements of novel hybrid nanoparticles for homogeneous biosensing	Vienna, Austria
181	Seino, Satoshi	Surface Modification of Gold/Iron-oxide Composite Nanoparticles by Phosphorylcholine Groups	Osaka, Japan
182	Silva, Gabriela	Synthesis and application of manganese dioxide coated magnetite for removal of As(III) from contaminated waters	Belo Horizonte, Brazil
183	Sinn, Irene	Fabrication and Characterization of Morphologically and Magnetically Uniform Janus Microspheres	Ann Arbor, MI, USA
184	Sobik, Martin	Stable suspensions of Fe-filled carbon nanotubes	Enschede, The Netherlands
185	Socoliuc, Vlad	Biocompatible water based magnetic nanofluids: colloidal stability investigations by light scattering methods	Timisoara, Romania
186	Sorokina, Olga	Estimation of the Oblongness of Aggregates of Magnetic Particles Formed in Static Magnetic Field Using ESR spectroscopy	Moscow, Russia
187	Stanca, Sarmiza	Fluorescent magnetic nanoparticles for the delivery of biomolecules	Jena, Germany
188	Stolarczyk, Jacek	Directed assembly of magnetic nanoparticles for biomedical applications	Dublin, Ireland
189	Stolbov, Oleg	Field-controlled deformations and volume changes of magnetopolymeric microcapsules	Perm, Russia
190	Strbak, Oliver	Metabolites signal changes induced by magnetosomes during MR experiment	Brno, Czech Republic
191	Subramanian, Natesan	Formulation development and In-vitro characterization of chitosan magnetic nanoparticles containing artesunate for targeted delivery to breast cancer	Tamilnadu, India
192	Sudha, Vishnubhotla	Hard Magnetic Barcode nanowires for biosensing applications	Daejeon, South Korea
193	Tang, Tao	Biocompatibility of bacterial magnetic particles in mice	Beijing, China
194	Tasci, T. Onur	Utilization of AC and DC magnetic fields for focused magnetic fluid hyperthermia and magnetic particle fractionation	Salt Lake City, UT, USA
195	Thanh, Nguyen TK	Synthesis and Characterization of Magnetic Nanoalloys from Bimetallic Carbonyl Clusters	London, England
196	Thanh, Nguyen TK	Tracking transplanted neural progenitor cells in spinal cord slices by MRI using CoPt nanoparticles as a contrast agent	London, England
197	Thom, Kathleen	Preliminary investigations on labelling of the vaccine adjuvant Al(OH) ₃ with Resovist® for magnetic resonance tracking	Greifswald, Germany
198	Tietze, Rainer	Distribution pattern of chemotherapeutics: Distinctions of systemic application versus magnetic nanoparticle guided delivery in vivo	Erlangen, Germany

8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers - Rostock, Germany

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199	Tomasovicova, Natalia	Radiation stability of the PEG stabilized biocompatible magnetic fluid	Kosice, Slovakia
200	Torres, Teo	Magnetic core-shell nanoparticles as MRI contrast agents: biodistribution in an in vivo animal model	Zaragoza, Spain
201	Torres, Teobaldo	Influence of the average size and polydispersion on the Specific Power Absorption in CoFe ₂ O ₄ Nanoparticles.	Zaragoza, Spain
202	Tsedev, Ninjbadgar	Water Dispersible Magnetic Nanoparticle Clusters and their Application as Contrast Agent	Dublin, Ireland
203	Vega Alvarez, Sascha	In vivo Nanoparticle Toxicity Trials in Drosophila	Mayagüez, Puerto Rico
204	Veintemillas-Verdaguer, Sabino	Production of iron oxide carbon nanocomposites by laser pyrolysis: Application as MRI contrasts	Madrid, Spain
205	Veverka, Miroslav	Magnetic heating experiments with nano-crystalline Co _{0.4} Zn _{0.6} Fe ₂ O ₄	Prague, Czech Republic
206	Veverka, Pavel	Extracellular and intracellular magnetic heating by core-shell La _{0.75} Sr _{0.25} MnO ₃ @SiO ₂ nanoparticles	Prague, Czech Republic
207	Victoria, Randall	Optimization of Magnetic Anisotropy and Applied Fields for Hyperthermia Applications	Minneapolis, MN, USA
208	Vilos, Cristian	Design and synthesis of magnetite- and antibiotic-loaded Poly(3-hydroxybutyric acid-co-hydroxyvaleric acid) (PHBV) super paramagnetic nanoparticles.	Santiago, Chile
209	Visbal-Onufrak, Michelle	A Parametric Study of Specific Absorption Rates in Magnetic Nanoparticles for Magnetic Fluid Hyperthermia	Mayagüez, Puerto Rico
210	Vlaskou, Dialechti	Magnetic microbubbles as mediators of gene delivery through Ultrasound-activation	Berlin, Germany
211	Vojtisek, Martin	DNA hybridisation on magnetic particles in continuous flow	Hull, England
212	Volmer, Marius	Improving the detection sensitivity of magnetic micro beads by spin valve sensors	Brasov, Romania
213	Voltaire, Efim	Treatment of purulent wounds using suspensions of magnetite microparticles.	Sukhum, Abkhazia
214	Wagner, Kerstin	Synthesis and investigation of cell interaction of magnetic nanoparticles with catechol-containing shells	Jena, Germany
215	Waleczek, Martin	Iron-Boron Nanowires for Applications to Boron Neutron Capture Therapy	Hamburg, Germany
216	Wang, Feng	Fabrication of Functionalized Magnetic Mesoporous Silica Nanoparticles for Laccase Adsorption and Biocatalysis	Beijing, China
217	Wang, Hanjie	Multifunctional Magnetic Polymeric Liposomes for the Delivery of Anticancer Drug Paclitaxel	Tianjin, China
218	Wang, Miao	A novel approach of transferring oleic acid capped iron oxide nanoparticles to aqueous phase	Xi'an, China
219	Weis, Christian	Magnetic resonance imaging of tumor cell migration in animals	Erlangen, Germany
220	Williams, Stephen	Refinement of magnetic nanoparticle drug carriers using the mechanism of quadruple magnetic field-flow fractionation	Cleveland, OH, USA
221	Wotschadlo, Jana	Short-term application of magnetic core-shell nanoparticles – Effect on immune cells	Jena, Germany
222	Yang, Hong-Chang	Immunomagnetic assay of bio-targets using bio-functional magnetic nano-particles and high-Tc SQUID-detected nuclear magnetic resonance	Taipei, Taiwan
223	Yang, Shieh-Yueh	Immunomagnetic reduction assay on chloromaphenicol extracted from shrimp	Taipei, Taiwan
224	Yoshida, Takashi	Nonlinear Behavior of Magnetic Fluid in Brownian Relaxation	Fukuoka, Japan
225	Zablotskii, Vitalii	High-Field Gradient Permanent Micromagnets for Targeted Drug Delivery with Magnetic Nanoparticles	Pamplona, Spain
226	Zborowski, Maciej	Magnetic pressure as a scalar representation of field effects in magnetic suspensions	Cleveland, OH, USA
227	Zhang, Jixi	Core-shell structured mesoporous /superparamagnetic composite spheres for targeted thrombolysis	Shanghai, China
228	Zhiqiang, Yang	Detecting Magnetically Modulated Fluorescent Probes In Turbid Media	Clemson, SC, USA