



14<sup>TH</sup> INTERNATIONAL CONFERENCE ON THE  
**SCIENTIFIC AND CLINICAL APPLICATION  
 OF MAGNETIC CARRIERS**

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**Poster Session I - Tuesday, June 18, 2024**

First Author	Title	City, Country	Corresponding Author
1 Ahmad, Hafiz	Potential of Magnetic Particle Spectroscopy in Diagnosis of Pancreatic Cancer Biomarkers in the Blood Sample	Gwangju, South Korea	Yoon, Jungwon
2 Ahmed, Yusra	Biocompatible Barium Hexaferrite Nanoparticle Composite Matrix	Cardiff, Wales	Zabek, Daniel
3 Arsalani, Soudabeh	Towards Quantitative Imaging of Magnetic Nanoparticle Flow by MRXI	Berlin, Germany	Arsalani, Soudabeh
4 Baradoke, Ausra	Enhancing Sensing by Using Magnetic Nanoflowers for Screen-Printed Electrodes	Vilnius, Lithuania	Baradoke, Ausra
5 Bielas, Rafal	Pickering droplets and liquid marbles exposed to an alternating magnetic field for capsule formation	Poznan, Poland	Bielas, Rafal
6 Bilous, Oksana	Non-monotonous Diffusion in Ferrogranulate Layer Induced by Tuning Interactions	Vienna, Austria	Bilous, Oksana
7 Boelens, Peter	On the use of biotechnologically functionalized magnetic nanoparticles for the recycling of valuable ultrafine powders from electronic waste	Dresden, Germany	Boelens, Peter
8 Brero, Francesca	Exploring the Impact of Shape, Size, and Coating on the Efficacy of Iron-Oxide Nanoparticles in Magnetic Resonance Imaging and Hyperthermia	Pavia, Italy	Brero, Francesca
9 Castro-Hinojosa, Christian	Controlled Preparation of Cadherin-Magnetic Nanoparticle Bioconjugates for Remote Cellular Manipulation	Zaragoza, Spain	Castro, Christian
10 Chen, Changyou	Guidance of magnetotactic bacteria to tumors for targeted therapy	Beijing, China	Chen, Changyou
11 Cheng, Ximin	Quantitative Dual-Color Magnetic Particle Imaging	Beijing, China	Zhong, Jing
12 Cicuendez, Monica	A new versatile nanoformulation to remotely trigger mechanotransduction for bone regeneration	Madrid, Spain	Izquierdo-Barba, Isabel
13 Duceac, Ioana	Magnetic Hybrid Materials with Polysaccharide Matrix for MRI and 5-Fluorouracil Delivery	Iasi, Romania	Duceac, Ioana
14 Chen, Ziwei	Enhanced Sensitivity in Magnetic Particle Spectroscopy Through Phase Inversion Signal Processing	Beijing, China	Chen, Ziwei
15 Everaert, Katrijn	Characterizing magnetic nanoparticle ensembles with thermal noise magnetometry	College Park, U.S.A.	Everaert, Katrijn
16 Feoktystov, Artem	Impact of Coating Type on Structural and Magnetic Properties of Superparamagnetic Iron Oxide Nanoparticles for Theranostics	Garching, Germany	Feoktystov, Artem
17 Gallo-Cordova, Alvaro	Magnetic Harvesting of Microplastics Using Multicore Iron Oxide Nanoparticles prepared by a Scaled-up Procedure	Madrid, Spain	Gallo Cordova, Alvaro
18 Gandarias, Lucia	Enhancing the diagnostic capabilities of magnetotactic bacteria via the incorporation of terbium and gadolinium	Saint-Paul-Lez-Durance, France	Gandarias, Lucia
19 Gessner, Isabel	From bench to bedside: engineering magnetic particles for cancer diagnostics and therapy from industry perspective	Bergisch Gladbach, Germany	Gessner, Isabel
20 Gimenez-Aguilar, Rafael	Automatic Dimension Measurement of Magnetic Nanoparticles on Electron Microscope Images using Deep Neural Networks	Madrid, Spain	Gimenez-Aguilar, Rafael
21 Gonzalez Gomez, Manuel Antonio	Hybrid contrast nanomaterials for advanced therapy tracking via multimodal imaging	Santiago de Compostela, Spain	Gonzalez Gomez, Manuel Antonio
22 Göpfert, Lennart	Towards size optimization of magnetic nanoparticles in a continuous production process by applying machine-learning based models	Aachen, Germany	Slabu, Ioana
23 Gröger, Roman	Atomistic Studies of Magnetization Reversal in Magnetite Nanoparticles	Brno, Czech Republic	Groger, Roman
24 Gubieda, Alicia	Temporal and spatial resolution of magnetosome degradation at the subcellular level in a 3D lung carcinoma model	Leioa, Spain	Gascon Gubieda, Alicia
25 Günther, Johanna	COMPASS based stability monitoring of magnetic nanoparticles exemplified on bacterial magnetosomes	Würzburg, Germany	Gunther, Johanna
26 Iglesias, Oscar	Critical Role of the Magnetocrystalline Anisotropy on the Frequency-dependent Hyperthermia Performance of Magnetite Nanoparticles	Barcelona, Spain	Iglesias, Oscar
27 Illes, Erzsébet	Carboxylated nanomagnets for biomedical use: influence of shell composition	Szeged, Hungary	Illes, Erzsébet
28 Illes, Erzsébet	Magnetic nanoflowers for biomedical purposes	Szeged, Hungary	Illes, Erzsébet
29 Ivanov, Alexey	Static Magnetic Response of Intracellular Clusters of Superparamagnetic Nanoparticles	Ekaterinburg, Russia	Ivanov, Alexey
30 Kafash Hoshjar, Ali	Predictive Modelling for Enhanced Precision in Microswarm Steering under Rotating Magnetic Fields	Colchester, U.K.	Kafash Hoshjar, Ali
31 Kampen, Lena	Unraveling nanoparticle-cell surface interactions: Insights into SynC uptake dynamics	Berlin, Germany	Kampen, Lena
32 Kmita, Angelika	New Encapsulated Magnetic Systems Based On Nano Ferrites For Biological and Hyperthermia Applications	Krakow, Poland	Kmita, Angelika
33 Kottenbrock, Kenzington	Magnetic Mapping of Bio-Inspired Clusters of Iron Oxide Nanoparticles	Columbus, U.S.A.	Kottenbrock, Kenzington
34 Lak, Aidin	Amplification- and Enzyme-Free Magnetic Diagnostics Circuit for Whole-Genome Detection of SARS-CoV-2 RNA	Braunschweig, Germany	Lak, Aidin
35 Leon-Cecilla, Alberto	Differential swelling of IPNs for multi-stimuli soft actuation	Granada, Spain	Leon-Cecilla, Alberto
36 Lopez-Mendez, Rosalia	Multifunctional magnetic nanoplatforams for combined chemo-hyperthermia treatment	Madrid, Spain	Lopez-Mendez, Rosalia
37 Maduabuchi, Wisdom	Local Magnetic Hyperthermia and Systemic Chemotherapy Triggers Neo-angiogenesis without Involvement of Auto/Paracrine Tumour Cell VEGF Signalling and Hypoxia	Jena, Germany	Hilger, Ingrid
38 Marfa, Jennifer	Magnetic Molecularly Imprinted Polymer for The Detection of Pathogenic Bacteria	Bellaterra, Spain	Marfa, Jennifer
39 Mefford, O. Thompson	Using Computational Tools to Guide the Synthesis of Substituted Magnetic Nanoparticles to Target Specific of Magnetic Saturation and Magnetocrystalline Anisotropy Values	Clemson, U.S.A.	Mefford, O. Thompson
40 Meier, Nils	Preparation and investigation of casein-coated magnetic nanoparticles for theranostic applications	Mainz, Germany	Bleul, Regina
41 Mejia Carmona, Karen	Cerium surface-doped magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Catalytic Activity	Barcelona, Spain	Mejia Carmona, Karen
42 Ozel-Okcu, Sedef	Novel magnetic transduction methodology for DNA detection in liquids	Villacastin, Spain	Teran, Francisco Jose
43 Mohandes, Fatemeh	Magnetic Nanoparticles Coated by Fluorescent Carbon Dots as T2 contrast agent	Barcelona, Spain	Mohandes, Fatemeh
44 Moore, Charles	Microfluidic Poiseuille Flow Induced by Magnetically Actuated Microscopic Cilia	Paris, France	Moore, Charles
45 Morales Ovalle, Marco	Impact of complex iron oxide nanoparticles phases on cellular responses and toxicity	San Carlos de Bariloche, Argentina	Morales Ovalle, Marco Antonio
46 Moya, Carlos	Calix[4]arene-PEI Coated Iron Oxide Nanoparticles: A Multifunctional Approach for Recovery of Precious Metals and DNA Strands	Barcelona, Spain	Moya, Carlos
47 Natividad, Eva	Exploring the fabrication and performance of non-crosslinked PNIPAM-Fe3O4 nanospheres	Zaragoza, Spain	Natividad, Eva
48 Nunez, Nahuel	Bifunctional Magnetic Nanozymes: Synergy between Catalytic Activity and Magnetic Hyperthermia	San Carlos de Bariloche, Argentina	Nunez, Nahuel
49 Pabshettiwar, Chinmay	Probing the microstructure properties of soft magnetic polymer hybrid materials	Stuttgart, Germany	Weeber, Rudolf
50 Parekh, Kinnari	Engineering Suitable Biocompatible Magnetic Fluid for Magnetic Fluid Hyperthermia from Synthesis to in vitro investigation	Changa, India	Parekh, Kinnari
51 Patri, Sofia	Magnetic nanogels for combined hyperthermia and chemotherapy of prostate cancer	London, U.K.	Patri, Sofia
52 Porru, Margherita	Iron-Oxide Magnetic Nanoparticles: Manganese and Zinc Doping Effects on Relaxometric Properties	Pavia, Italy	Porru, Margherita
53 Pourshahidi, Ali Mohammad	Magnetic nanoparticles in viscous media from the view of Frequency mixing magnetic detection	Jülich, Germany	Pourshahidi, Ali Mohammad
54 Radon, Patricia	Verifying the MNP dissolution in photo-spectrometric iron concentration determination by magnetic particle spectroscopy	Berlin, Germany	Radon, Patricia
55 Riahi, Kalthoum	Shapes tailored magnetic nanoparticles for magnetic nanoparticle-based hyperthermia for cancer treatment	Darmstadt, Germany	Riahi, Kalthoum
56 Salamzadeh, Sadaf	Impact of temperature on AC magnetic susceptibility of MNPs	Enschede, Netherlands	Alic, Lejla

57	Schütz, Patrick	Preparation of Multi-Responsive Hydrogels Based on Magnetoplasmonic Nanoparticles in a Thermo-Responsive Polymer Matrix	Hamburg, Germany	Schütz, Patrick
58	Seino, Satoshi	Designing Magnetic Nanoparticles for Intranasal Administration : Targeted Delivery to the Brain	Suita, Japan	Seino, Satoshi
59	Serea Abu, Esraa	Enhancement and Tunability of Plasmonic-Magnetic Hyperthermia through Shape and Size Control of Au:Fe <sub>3</sub> O <sub>4</sub> Janus Nanoparticles	Bilbao, Spain	Reguera, Javier
60	Shaterabadi, Zhila	Enhanced magnetic hyperthermia performance by magnetite nanorods: The effect of aspect ratio and synthesis method	Granada, Spain	Shaterabadi, Zhila
61	Storozhuk, Liudmyla	Synthesis and characterisation of doped iron oxide nanoflower seeds for magnetic hyperthermia cancer treatment	London, U.K.	Storozhuk, Liudmyla
62	Strbak, Oliver	Ferritin derivatives as a valuable tool in the research of neurodegenerative disorders	Martin, Slovak Republic	Oliver, Strbak
63	Sun, Shaoqi	Mixing-Frequency Spectra for Magnetic Particle Imaging	Beijing, China	Zhong, Jing
64	Tahir, Muhammad Umar	A Novel Coil Configuration Setup for Noninvasive Focused Brain Stimulation Using Magnetolectric Nanoparticles: A Simulation Study	Gwangju, South Korea	Yoon, Jungwon
65	Takemura, Yasushi	Human Head Receive Coil-Coupled Magneto-resistive Sensor for Magnetic Particle Imaging	Yokohama, Japan	Takemura, Yasushi
66	Tietze, Rainer	Rapid analysis of microbiological contaminants in 2 stages (RAMICO2)	Erlangen, Germany	Tietze, Rainer
67	Torres, Teobaldo	Enzymatic-like Activity and Specific Loss Power Joining Forces for Vanadium Ferrite Theranostic Applications	Zaragoza, Spain	Torres, Teobaldo
68	Viereck, Thilo	Integrated system with magnetic particle imaging and magnetic hyperthermia for localized drug release applications	Braunschweig, Germany	Viereck, Thilo
69	Villanueva Alvaro, Danny Yosmar	Unravelling the potential of Magnetospirillum gryphiswaldense as nanorobot, a detailed motility study	Bilbao, Spain	Villanueva Alvaro, Danny Yosmar
70	Vogel, Patrick	MPI, MNPs and the long way to clinical routine	Würzburg, Germany	Vogel, Patrick
71	Vogel, Patrick	Keep your Camel healthy with COMPASS	Würzburg, Germany	Vogel, Patrick
72	Wang, Yueqi	Quantitative visualization of transferrin receptor-mediated iron uptake in Hepatocellular carcinoma using MPI/NIR-II photomagnetic multimodal imaging	Beijing, China	Wang, yueqi
73	Wei, Huimin	Enzyme-Powered Magnetic Nanomotors for Magnetic Particle Imaging and Magnetic Fluid Hyperthermia	Lübeck, Germany	Wei, Huimin
74	Weidner, Andreas	Preparation and characterization of hybrid magnetic nanoparticles featuring a "hard" biomolecular corona for medical applications	Ilmenau, Germany	Weidner, Andreas
75	Weisspflog, Maria	Non-Stoichiometric Cobalt Ferrite Nanoparticles by Green Hydrothermal Synthesis and their Potential for Hyperthermia Applications	Hamburg, Germany	Weisspflog, Maria
76	Winkler, Elin	Ferrite Nanoparticles Nanocatalysts: Unveiling Free Radical Generation and Assessing Environmental Impact on Algal Toxicity	San Carlos de Bariloche, Argentina	Winkler, Elin
77	Wolgast, Florian	Using adjustable DC offset fields in Magnetic Particle Spectroscopy towards sensitive immunoassays	Braunschweig, Germany	Wolgast, Florian
78	Yimeng, Li	Modified Jiles-Atherton model for dynamic magnetization and reconstruction in magnetic particle imaging	Beijing, China	Yimeng, Li
79	Yoshida, Takashi	Quantitative Estimation of Solid and Liquid Phase Magnetic Nanoparticles for Magnetic Immunoassay	Fukuoka, Japan	Yoshida, Takashi
80	Zhu, Tao	Excitation parameters selection for coaxial frequency-mixing magnetic particle imaging	Beijing, China	Tao, Zhu
81	Zurbano, Raquel	Vortex-State Magnetic Nanodisks in Melanoma Cell Cultures: A Potential Approach for Cancer Treatment	Bilbao, Spain	Zurbano, Raquel
82	Shih, Kun-Yauh	Effect of Microwave Hydrothermal Time on the Synthesis and Magnetic Properties of CoFe <sub>2</sub> O <sub>4</sub> /rGO Nanocomposites	Pingtung, Taiwan	Shih, Kun-Yauh

### Poster Session II - Wednesday, June 18, 2024

#	First Author	Title	Corresponding Author	City, Country
83	Adhikari, Samyog	Strong exchange bias effect in cobalt oxide@cobalt ferrite core-shell nanoparticles	London, U.K.	Thanh, Nguyen
84	Adhikari, Samyog	Synthesis and characterisation of (Co, Ni) Fe <sub>2</sub> O <sub>4</sub> @ BaTiO <sub>3</sub> magnetodielectric nanocomposites.	London, U.K.	Thanh, Nguyen
85	Altuna, Amaia	Redispersion Impact on Automated Chemiluminescent Assays	Church Stretton, U.K.	Altuna, Amaia
86	Amin, Rabia	Controlling Morphology and Magnetization of Magnetic Nanoparticles through Solvent-Ligand Chemistry	Braunschweig, Germany	Amin, Rabia
87	Del Valle Peña, Anaixis	A magnetosensing-based Rapid Screening Test for Streptococcus agalactiae Infections: Expanding Global Efforts in Addressing Perinatal Sepsis	Cerdanyola del Valles, Spain	Pividori, Maria Isabel
88	Andryskova, Natalia	Coaxial electrospun nanofibers with encapsulated titanium dioxide and magnetic nanoparticles for photo-stabilization and magnetically controlled release of betamethasone-17 valerate	Bratislava, Slovak Republic	Andryskova, Natalia
89	Antal, Iryna	Preparation and characterization of poly-L-lysine coated magnetic nanoparticles and evaluation of their peroxidase-like activity	Kosice, Slovak Republic	Antal, Iryna
90	Avdeev, M.	Study of Short Range Order in Aqueous Ferrofluids by Small-Angle Scattering	Dubna, Russia	Avdeev, M.
91	Bermudez-Berrios, Esteban	Sentinel Lymph Node Mapping Using Magnetic Particle Imaging	Gainesville, FL, U.S.A.	Rinaldi-Ramos, Carlos
92	Bhalerao, Smriti	Microscopic Imaging of Magnetic Particles in Flow using Nitrogen-Vacancy Centers in Diamond	College Park, U.S.A.	Bhalerao, Smriti
93	Chowdhury, Mohammad Suman	Organic Molecular Glues to Design Three-Dimensional Cubic Nano-assemblies of Magnetic Nanoparticles	Braunschweig, Germany	Chowdhury, Mohammad Suman
94	Das, Arpita	Polymer-coated Magnetic Nanoparticles (CoFe <sub>2</sub> O <sub>4</sub> ) for targeted delivery of Intra articular gel for pain management	Kolkatta, India	Das, Arpita
95	Egea-Benavente, David	Microwave-assisted magnetic nanoparticles synthesis and functionalization with antibody 92R: The importance of a controlled MNPs-cell interaction for the correct development of magnetic hyperthermia therapy combined with immunotherapy	Madrid, Spain	Egea-Benavente, David
96	Espinosa, Ana	Exploring the Structural Characterization of Magnetic-based Nanoparticles inside Cells Using Hard X-ray Absorption Spectroscopy	Madrid, Spain	Espinosa, Ana
97	Eswaran, Neel	Formulation of PEG-coated MPI tailored tracers using nitroDOPA anchoring groups	Gainesville, U.S.A.	Rinaldi-Ramos, Carlos
98	Feye, Julia	Analyzing Reaction Parameters on Structural Characteristics of SMART RHESIN Hollow Nanospheres for Magnetic Particle Imaging Applications	Karlsruhe, Germany	Rösch, Esther
99	Garcia-Maestre, Maria	Bottom-up fabrication of filaments based on PLA and Fe <sub>3</sub> O <sub>4</sub> suitable for 3D printing	Zaragoza, Spain	Natividad, Eva
100	Garcia, Ana	Easy synthesis of mesoporous silica nanoparticles doped with nickel oxide for biomedical applications	Madrid, Spain	Garcia, Ana
101	Gombos, Jan	Preparation, characterization, toxicity and usability of reconstructed ferritin and magnetoferritin for biomedical applications	Martin, Slovak Republic	Gombos, Jan
102	Good, Hayden	Impact of Object Size on Magnetic Particle Imaging (MPI) Signal Distribution	Gainesville, U.S.A.	Rinaldi-Ramos, Carlos
103	Goto, Haruki	Measurement of magnetic relaxation time of magnetic nanoparticles in wide time range	Hamamatu, Japan	Ota, Satoshi
104	Haddad, Dina	Extraction of Urinary Cell-Free DNA using Magnetic Iron Oxide Nanoparticles for Liquid Biopsy	Cambridge, U.K.	Haddad, Dina
105	Harvell-Smith, Stanley	Synthesis and Characterisation of Zn- and Mn-Doped Iron Oxide Nanocubes for Combined Magnetic Particle Imaging-Magnetic Fluid Hyperthermia Application	London, U.K.	Harvell-Smith, Stanley
106	Herrera Gomez, Roger	Development of Core-Shell Nanoparticles for Singlet Oxygen Storage and in situ Release Through Magnetic Hyperthermia for a Multi-Approach Cancer Treatment	Bellaterra, Spain	Herrera Gomez, Roger
107	Herrera-Aquino, Rafael	Scalability and Reproducibility of Iron Oxide Nanoflowers by the Polyol Method: Comparison of Solvothermal and Microwave Heating	Madrid, Spain	Herrera Aquino, Rafael
108	Hovorka, Ondrej	Developing nanorobotics for healthcare	Southampton, U.K.	Hovorka, Ondrej
109	Hu, Xinkai	Integrating Lipidic Cisplatin Prodrug and Magnetic Nanoflowers for Hyperthermia Cancer Treatment	London, U.K.	Nguyen, Thanh
110	Imhoff, Eric	Characterization of Commercial Magnetic Nanoparticles for Magnetic Particle Imaging	Gainesville, U.S.A.	Rinaldi-Ramos, Carlos
111	Jameel, Bassam	Pickering droplets stabilized by magnetic nanoparticles for optimizing ultrasound heating in tissue-like medium	Poznan, Poland	Jameel, Bassam
112	Jozefczak, Arkadiusz	Textile modified by magnetic nanoparticles	Poznan, Poland	Jozefczak, Arkadiusz
113	Khmara, Iryna	The peroxidase-like activity of magnetic iron oxide nanoparticles functionalized with amino acids	Kosice, Slovak Republic	Khmara, Iryna
114	Kim, Gawtak	Towards Accurate Prediction of Magnetolectric Coefficient in Spherical Core@Shell CoFe <sub>2</sub> O <sub>4</sub> @BaTiO <sub>3</sub> Nanoparticle for Brain Stimulation	Gwangju, South Korea	Yoon, Jungwon

115	Kizek, Rene	Spectroscopic and microscopic analysis of the effect of vancomycin-modified SPIONS on methicillin-sensitive and resistant Staphylococcus aureus strains	Prague, Czech Republic	Kizek, Rene
116	Kolesnichenko, Vladimir	Development of ultrasmall superparamagnetic nanoparticles for imaging applications	New Orleans, U.S.A.	Kolesnichenko, Vladimir
117	Kralj, Slavko	Magnetic Nanostructures with Hollow Compartments: A Tunable Acid-Etching Approach	Ljubljana, Slovenia	Kralj, Slavko
118	Kuznetsov, Andrey	Transport properties of active Brownian particles with magnetically-controlled rotation	Vienna, Austria	Kuznetsov, Andrey
119	Lachowicz, Dorota	Carbon Nanofiber-Based Magnetic Mats for Non-Invasive Heating	Krakow, Poland	Lachowicz, Dorota
120	Lagouarde, Julie	Field-induced recirculation flow using magnetic nanoparticles to mimic drug transport in an occluded vessel	Nice, France	Lagouarde, Julie
121	Livesey, Karen	Field-dependent magnetic relaxation times of magnetic nanoparticle systems	Callaghan, Australia	Livesey, Karen
122	Malhotra, Ankit	Actuation of Magnetic Nanoparticles inside a cochlea phantom	Lübeck, Germany	Malhotra, Ankit
123	Markert, Simon	Enhancing protein corona formation on bacterial magnetosomes by genetic engineering	Bayreuth, Germany	Schüler, Dirk
124	Martina, Kubovcikova	Heating efficiency study of amino acid coated iron oxide nanoparticles	Kosice, Slovak Republic	Martina, Kubovcikova
125	Mesas, Melania	Traffic light-based point-of-care test for the rapid stratification of fever syndromes	Barcelona, Spain	Mesas, Melania
126	Mickoleit, Frank	Long-term-stability and biocompatibility of bacterial magnetosomes from Magnetospirillum gryphiswaldense	Bayreuth, Germany	Mickoleit, Frank
127	Minuti, Anca	New protocol for observing adherence of magnetic particles and nanowires on cell surfaces using scanning electron microscopy imaging	Iasi, Romania	Minuti, Anca
128	Mohammed Mustafa, Mohammed Sahinsha	Design, Fabrication, and Biological Evaluation of Polyphenol Loaded Smart Magnetic Nanocarriers for Targeted Breast Cancer Therapy	Tiruchirappalli, India	Palanisamy, Selvamani
129	Mosafer, Jafar	Simultaneous therapeutic and diagnostic applications of magnetic PLGA nanoparticles loaded with doxorubicin in rabbit	Torbat Heydariyeh, Iran	Mosafer, Jafar
130	Musial, Jakub	Optimizing magnetic nanoparticle heating in tumor phantoms using rotating magnetic fields	Poznan, Poland	Musial, Jakub
131	Nagarajan, Krishnanand	Real Time Image Guided Magnetic Theranostic System for Targeted Cancer Therapy via 5 Fluorouracil Loaded Nanoliposomes	Tiruchirappalli, India	Palanisamy, Selvamani
132	Nistor, Mirela	In vitro Evaluation of F127@magnetite on Glioblastoma Cell Lines	Iasi, Romania	Dragoi, Brindusa
133	Novak, Ekaterina	Role of Depletant in Binary Mixtures of Shape-Anisotropic Magnetic Particles	Ekaterinburg, Russia	Novak, Ekaterina
134	Nozka, Aniela	Scalable formulation of magnetic particle imaging tracers via flash nanoprecipitation	Gainesville, U.S.A.	Rinaldi-Ramos, Carlos
135	Ognjanovic, Milos	Unveiling the impact of the chemical composition of ternary ferrites on specific loss power	Belgrade, Serbia	Ognjanovic, Milos
136	Ota, Satoshi	Evaluation of in vivo magnetization dynamics of magnetic nanoparticles in living tumor	Hamamatsu, Japan	Ota, Satoshi
137	Paez, Amira	Influence of anisotropy on the evolution of chains formed by magnetic nanoparticles under an applied magnetic field	Zaragoza, Spain	Paez, Amira
138	Palanisamy, Selvamani	Fabrication of Magnetic Nanoemulsion Loaded with Letrozole for Targeted Oncotherapy	Tiruchirappalli, India	Latha, Subbiah
139	Pansegrau, Kerstin	Temperature Effects on Magnetorelaxometry Parameters of Immobilized Magnetic Nanoparticles	Hall in Tirol, Austria	Pansegrau, Kerstin
140	Ployart, Olfie	Local temperature around iron oxide nanoparticles during hyperthermia	Paris, France	Ployart, Olfie
141	Porras Marichal, Juan Carlos	Portable medical device based on magneto immunosensor for the diagnosis of celiac disorder.	Cerdanyola del Valles, Spain	Pividori Gurgo, Maria Isabel
142	Pourshahidi, Ali Mohammad	Development of high-throughput magnetic tweezers platform with three poles	Jülich, Germany	Pourshahidi, Ali Mohammad
143	Queiros Campos, Jordy	Improvement of magneto-microfluidic separation of nanoparticles by molecular adsorption	Nice, France	Queiros Campos, Jordy
144	Raboisson-Michel, Maxime	Magnetic Micro Vortex for Molecule Convective Transport: Towards a Biomedical Application	Nice, France	Raboisson-Michel, Maxime
145	Ratajczak, Filip	The influence of administration of magnetic carriers on heating efficiency in tissue-mimicking phantoms	Poznan, Poland	Ratajczak, Filip
146	Remmo, Amani	Viability monitoring of cells using magnetic particle imaging	Berlin, Germany	Remmo, Amani
147	Rossi, Rosanna	Magnetic particles immunosensors for early diagnosis of alzheimer's disease	Cerdanyola del Valles, Spain	Pividori, Maria Isabel
148	Santana Otero, Antonio	Novel permalloys nanoparticles for CO2 capture and conversion by magnetic hyperthermia	Madrid, Spain	Santana Otero, Antonio
149	Santander, Sergio	Synthesis of Fe@C core-shell nanoparticles for dual magnetic hyperthermia and photothermal cancer treatment	Singapore, Singapore	Santander, Sergio
150	Selzer, Solange	Iron oxide nanoparticles for biotechnological applications	Cordoba, Argentina	Selzer, Solange
151	Hlukhaniuk, Anna	Preparation and Colloidal Stability of Magnetic Drug Delivery Nanoassemblies for Cancer Treatment	Prague, Czech Republic	Hlukhaniuk, Anna
152	Shlapa, Yuliia	Biocompatible Fe3O4@CeO2 Nanocomposites Synthesized via Layer-by-Layer Deposition	Kyiv, Ukraine	Shlapa, Yuliia
153	Siska, Zuzana	Magnetic Cubic Nanoparticles Based on Iron Oxide Doped by Metal Ions for Enhancing Magnetic Performance	Brno, Czech Republic	Siska, Zuzana
154	Soujade, Lilia	Testing The Efficacy Of Magnetic Hyperthermia Using Non-Harmonic Electromagnetic Fields In Combination With Chemotherapeutic Drugs (5-Fluorouracil) : An In Vitro Study On Melanoma And Glioblastoma Multiforme Cell Lines	Pozuelo de Alarcon, Spain	Serrano-Olmedo, Jose-Javier
155	Bian, Zhongwei	A novel method for improving sensitivity of MPI based on modulation of offset field and even harmonic signal	Beijing, China	Tian, Jie
156	Stavila, Cristina	Fe-Cr-Nb-B magnetic particles for targeted chemotherapy	Iasi, Romania	Stavila, Cristina
157	Subbiah, Latha	Formulation Optimization, Evaluation of Magnetically Targeted Pantoprazole Effervescent Tablets for Enhanced Anti-Ulcer Therapy	Tiruchirappalli, India	Subbiah, Latha
158	Vas, Anna	Graphite oxide/nickel ferrite nanocomposites for magnetic hyperthermia	Szeged, Hungary	Illes, Erzsebet
159	Veintemillas-Verdaguer, Sabino	Studies of the magnetophoresis of magnetic labelled cells using a constant gradient separation device	Madrid, Spain	Veintemillas-Verdaguer, Sabino
160	Washino, Masaomi	Dynamic Monitoring of Magnetic Nanoparticle Translocation into Monkey Brain via Intranasal Administration Using MRI	Amagasaki, Japan	Washino, Masaomi
161	Wolfschwenger, Manuel	Molecular Dynamics Simulation of Interacting Magnetic Nanoparticles using a Hybrid Approach of Langevin dynamics and Monte Carlo Simulations	Hall in Tirol, Austria	Wolfschwenger, Manuel
162	Zara-Danceanu, Camelia Mihaela	Biocompatibility and Cytotoxic Evaluation of Cobalt Doped Magnetite (Co-Fe3O4) Nanoparticles on Breast Cancer Cells	Iasi, Romania	Dragoi, Brindusa
163	Zaragoza-Medina, Moises Gilberto	Is it Possible to Explain SAR in Nanoparticle-Mediated Magnetic Hyperthermia As The Linear Sum Of Harmonic Contributions When Using Pulsed Alternating Magnetic Fields?	Pozuelo de Alarcon, Spain	Serrano-Olmedo, Jose-Javier
164	Zheng, Mingyi	Stability studies of ultrasmall iron oxide nanoparticles for MRI T1 contrast agent	London, U.K.	Thanh, Nguyen
165	Lei, Siao	Quantification Results of Targeted Magnetic Particles In vivo and In vitro Human Tissues Based on Self-developed FFL-MPI	Beijing, China	Tian, Jie