



Poster Session I - Tuesday, June 14, 2022

	First Author	Title	Corresponding Author	City, Country
1	Arsalani, Saeideh	Hybrid Magnetic Nanoparticles As Molecular Agents In Magneto-Motive Ultrasound Imaging	Arsalani, Saeideh	Ribeirao Preto, Brazil
2	Bassam, Jameel	Ultrasound Spectroscopy For Studying Pickering Emulsions Stabilized By Magnetic Nanoparticles	Bassam, Jameel	Poznan, Poland
3	Das, Arpita	Negative Differential Capacitance (Ndc) And Hysteresis Achieved In Dna Added Cobalt Ferrite Magnetic Nanoparticles	Das, Arpita	Kolkata, India
4	Kaman, Ondrej	Gold Nanoshells With Magnetic Cores For Multimodal Imaging And Sensing	Kaman, Ondrej	Praha, Czechia
5	Arenas, Maria	Development of multimodal phantoms for Magnetic Resonance Imaging and Magnetic Particle Imaging	Löwa, Norbert	Berlin, Germany
6	Mickoleit, Frank	Generation Of Reusable Nano-Biocatalysts By Genetic Engineering And Functionalization Of Bacterial Magnetic Nanoparticles	Mickoleit, Frank	Bayreuth, Germany
7	Nasser, Amal	Structural And Magnetic Characterization Of Citrate-Coated Spions For Magnetically Controlled Immune Therapy	Nasser, Amal	Munich, Germany
8	Smela, Denisa	TiO2 Magnetic Nanotubes For RNA Isolation From Complex Biological Samples	Smela, Denisa	Pardubice, Czechia
9	Armenia, Ilaria	Combining Iron Oxide Nanoparticles And Fluorescent Protein For Selective Magnetic Nanoheating Studies	Armenia, Ilaria	Zaragoza, Spain
10	Fernández Afonso, Yilian	Magnetic Nanoparticle Transformations And The Effect On Their Heating Properties	Fernández Afonso, Yilian	Zaragoza, Spain
11	Fernández Afonso, Yilian	Reversible Chain Formation During Magnetic Hyperthermia Experiments	Fernández Afonso, Yilian	Zaragoza, Spain
12	Idiogo-Lopez, Javier	Cell Membrane Hyperfluidization With Localized Magnetic And Optical Hyperthermia	Fratila, Raluca	Zaragoza, Spain
13	Bielas, Rafal	Pickering Emulsions Stabilized By Magnetite Particles In A Rotating Magnetic Field	Józefczak, Arkadiusz	Poznan, Poland
14	Reisen, Oliver	Temperature-Controlled Drug Release From Magnetic Plga Nanospheres Enabling Efficient Treatment Of Pancreatic Cancer Cells	Slabu, Ioana	Aachen, Germany
15	Lozano Pedraza, Claudia	Photothermal Therapy For In Vitro Multimodal Treatment Of Peritoneal Carcinomatosis	Lozano Pedraza, Claudia	Madrid, Spain
16	Chen, Hao	Tuning The Dynamics In Fe3O4 Nanoparticles For Hyperthermia	Majetich, Sara	Pittsburgh, USA
17	Molcan, Matus	The Impact Of Alternating And Rotating Regimes On The Heating Characteristics Of Magnetic Colloids And Dense Cellulose Structures	Molcan, Matus	Kosice, Slovakia
18	Ruta, Sergiu	Sar Determination From Temperature Measurement Using Repeated Heating-Cooling Cycles	Ruta, Sergiu	Sheffield, UK
19	Serantes, David	On The Effective Uniaxial Anisotropy Of Magnetite Nanoparticles	Serantes, David	Santiago de Compostela, Spain
20	Singh, Sarbjit	Magnetic Heating Of Superparamagnetic Kfeo2 Nanoparticles For Treatment Of Cancer	Singh, Sarbjit	Tarn Taran, India
21	Sojková, Tereza	Magnetic Properties Of Iron Oxide Feo/Fe3O4 Core-Shell Nanocubes Tuned By The Preparation Method	Sojková, Tereza	Brno, Czechia
22	Çitoglu, Senem	Dmsa-Coated Cubic Iron Oxide Nanoparticles As Potential Therapeutic Agents	Thanh, Nguyen	London, UK
23	Wang, Lilin	Synergistic Effect Of The Doxorubicin Loaded Thermal And Ph-Sensitive Nanocarriers On The Different Cell Lines	Thanh, Nguyen	London, UK
24	Torres, Teobaldo	Determining The Key Parameters To Reach Synergistic Effects Between Magnetic Hyperthermia And Ros Production In Znxf3-Xo4 Magnetic Nanoparticles	Torres, Teobaldo	San Carlos de Bariloche, Argentina

25	Valdés, Daniela	Untangling The Influence Of Particle-Intrinsic Parameters And Experimental Conditions In Magnetic Fluid Hyperthermia	Valdés, Daniela	Bariloche, Argentina
26	Wang, Xuyiling	Investigation Of Ac Hysteresis From Magnetic Nanoparticle Suspensions Using Magneto-Optical Methods	Wang, Xuyiling	Stoke-on-Trent, UK
27	Wells, James	Multifrequency Hyperthermia Characterisation By Calorimetry And Dynamic Magnetisation	Wiekhorst, Frank	Berlin, Germany
28	Le, Tuan-Anh	Theoretical Three-Dimensional Predictions For Spatial Focusing Of Magnetic Hyperthermia Using Field-Free Point/Line Concept	Yoon, Jungwon	Gwangju, South Korea
29	Arjomandi, Sarah	Capturing Magnetic Nanoparticles With External Magnetic Fields In The Fluidic Flow	Arjomandi, Sara	Milan, Italy
30	Manipuntee, Chonnavee	Visible Light-Driven Amide Synthesis From Thioacid And Amine With Cdse Qds-Coated Magnetic Pmma Nanocomposites In An Aqueous Solution	Insin, Numpon	Bangkok, Thailand
31	Löwa, Norbert	Highly Selective Separation Of Magnetic Nanoparticles Using Dynamic Magnetic Fields: A Novel Approach For Mpi Tracer Purification	Löwa, Norbert	Berlin, Germany
32	Löwa, Norbert	Magnetic Anisotropy In Polymeric Magnetic Hybrid Material Induced By Vat Photopolymerization Additive Manufacturing	Löwa, Norbert	Berlin, Germany
33	Queiros Campos, Jordy	Improved Magneto-Microfluidic Separation Of Nanoparticles Through Formation Of The Beta-Cyclodextrin-Curcumin Inclusion Complex	Queiros Campos, Jordy	Nice, France
34	Mirkhani, Nima	A Scalable Magnetic Control Strategy To Suppress Off-Target Nanoparticle Transport	Schürle, Simone	Zurich, Switzerland
35	Moore, Lee	Red Blood Cell Magnetophoresis As A Function Of Oxygen Partial Pressure.	Zborowski, Maciej	Cleveland, USA
36	Abolfathi, Kiana	Magnetic Bio-Hybrid Microrobots For Targeted Stem Cell Delivery	Hoshiar, Ali K.	Colchester, UK
37	Bernad, Sandor	Magneto-responsive Nanocomposite Aggregation During Magnetic Targeting	Bernad, Sandor	Timisoara, Romania
38	Grondzak, Tomas	The Effect Of Spions Modified By Aluminium Nanoparticles On The Growth Of S. Aureus And E. Coli	Grondzak, Tomas	Prague, Czechia
39	Cepova, Jana	The Effect Of Spions Modified By Silver Nanoparticles And Vancomycin On The Growth Of S. Aureus And E. Coli	Grondzak, Tomas	Prague, Czechia
40	Manipuntee, Chonnavee	Biodegradable Plga-Based Magnetic Nanocomposites For Magnetic Target Retention And Sustained Release Of Triamcinolone Acetonide From Detachable Microneedles	Insin, Numpon	Bangkok, Thailand
41	Ioncica, Maria-Cristina	The Magnetic Field Generated By Single Or Multiple Magnets For The Magnetic Drug Targeting Process	Ioncica, Maria-Cristina	Lugoj, Romania
42	Lachowicz, Dorota	Molecular Insights of the Oxidation Process of Copper-Zinc Ferrites Nanoparticles Coated by a Polymer Layer	Lachowicz, Dorota	Krakow, Poland
43	Koutsoumpou, Xanthippi	NP-Cellular Hitchhiking System for Targeted Combination Therapy and Diagnosis for Glioblastoma	Manshian, Bella	Leuven, Belgium
44	Mandal Goswami, Madhuri	Trifunctional Fluorescent Cobalt Ferrite Nanoparticles For Hyperthermia Therapy, Cell Probing And Drug Delivery	Mandal Goswami, Madhuri	Kolkata, India
45	Adam, Alexandre	Hybrid Iron Oxide Core@Mesoporous Silica Shell Nanoparticles For Magnetic Hyperthermia, Photothermia And Drug Delivery	Mertz, Damien	Strasbourg, France
46	Petrus, Jakub	Lc-Ms/Ms As A Study Method Of The Release Kinetics Of Remdesivir From Magnetic Nanoparticles	Petrus, Jakub	Prague, Czechia
47	Pfister, Felix	Functionalization Of Primary T Cells With Magnetic Nanoparticles For Guided Immunotherapy	Pfister, Felix	Erlangen, Germany
48	Son, Boyoung	Magnetic Nanoparticle Focusing System On The Blood Vessel Using An Array Of Permanent Magnets	Yoon, Jungwon	Gwangju, South Korea
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Poster Session II - Wednesday, June 15, 2022

#	First Author	Title	Corresponding Author	City, Country
53	Kim, Yonggyu	A Novel Guidance Scheme For Magnetic Particles Inspired By The Artificial Potential Field	Yoon, Jungwon	Gwangju, South Korea
54	Hunter, Arabella	Quantitative Measurements Of The Influence Of Polymer Brush Length On Magnetic Nanoparticle Interactions And Signal Enhancement During Linear Aggregation Via Magnetic Particle Spectroscopy	Mefford, Thompson	Clemson, USA
55	Janssen, Klaas-Julian	Temperature Imaging With A Single Harmonic Magnetic Particle Imaging Approach	Ludwig, Frank	38106 Braunschweig, Germany
56	Jaufenthaler, Aaron	Human-Head-Sized Magnetorelaxometry Imaging Of Magnetic Nanoparticles Using Optically Pumped Magnetometers	Jaufenthaler, Aaron	Hall in Tirol, Austria
57	Kosch, Olaf	Tracer Comparison Including Mpi Scanner Characteristics By 2-Voxel-Analysis	Kosch, Olaf	Berlin, Germany
58	Kubickova, Lenka	Probing Relaxation Characteristics Of Magnetic Nanoparticles By A Home-Made Magnetic Particle Spectroscopy Setup	Kubickova, Lenka	Prague, Czechia
59	Porru, Margherita	Core-Shell Structured Mnps: Coating Effect On The 1H-Nmr Relaxation Properties	Porru, Margherita	Pavia, Italy
60	Remmo, Amani	Magnetic Particle Imaging For Cell Tracking: Establishing Quality And Effectiveness In Magnetic Cell Labeling	Remmo, Amani	Berlin, Germany
61	Salamzadeh, Sadaf	Optimising Excitation Field Frequency For Handheld Detections Of Magnetic Nanoparticles	Salamzadeh, Sadaf	Enschede, Netherlands
62	Sasayama, Teruyoshi	Estimation Accuracy Improvement Of Magnetic Nanoparticle Tomography By Combining Inverse Solution Methods	Sasayama, Teruyoshi	Fukuoka, Japan
63	Schoenen, Max	The Impact Of Mnp Agglomerations Inside Magnetic Fibers On Mri, Mpi And Hyperthermia Performance	Slabu, Ioana	Aachen, Germany
64	Besenhard, Maximilian	Small Iron Oxide Nanoparticles As Mri T1 Contrast Agent	Storozhuk, Liudmyla	London, UK
65	Baffa, Oswaldo	Low Frequency Ac Susceptometry With Optically Pumped Magnetometers	Baffa, Oswaldo	Ribeirão Preto, Brazil
66	Everaert, Katrijn	Tabletop Setup For Thermal Noise Magnetometry Of Magnetic Nanoparticles Based On Optically Pumped Magnetometers	Everaert, Katrijn	Gent, Belgium
67	Hovorka, Ondrej	Characterising Magnetic Nanoparticles Using Data-Driven Methods	Hovorka, Ondrej	Southampton, UK
68	Ackers, Justin	Construction Of A Broadband 3D Magnetic Particle Spectrometer	Justin, Ackers	Lübeck, Germany
69	Pourshahidi, Ali M.	Resolving Ambiguities In Core Size Determination Of Magnetic Nanoparticles From Magnetic Frequency Mixing Data	Krause, Hans-Joachim	Jülich, Germany
70	Martin, Éléonore	Monte Carlo And Experimental Study Of The Magnetic Behaviour Of Superparamagnetic Nanoparticles	Martin, Éléonore	Mons, Belgium
71	Sepehri, Sobhan	Nanorheology Monitoring Using Magnetic Nanoparticles And Ac Susceptometry	Sepehri, Sobhan	Göteborg, Sweden
72	Cabrera, David	Novel Methodologies To Determine The Magnetic Anisotropy Of Iron Oxide Nanoparticles In Colloidal Suspensions	Terán, Francisco J.	Madrid, Spain
73	Friedrich, Bernhard	Portable Mps Device For Radical Innovation In Medical Point-Of-Care Diagnostics	Vogel, Patrick	Würzburg, Germany
74	Kim, Hohyeon	Characterization Of Physical Properties Of Commercial Nanoparticle For Biomedical Application	Yoon, Jungwon	Gwangju, South Korea
75	Park, Myungjin	Studies Aggregation Mechanism Of Magnetic Nanoparticles Under Possible Scenarios During Magnetic Drug Targeting	Yoon, Jungwon	Gwangju, South Korea
76	Makridis, A.	Iron-Cementite Nanoparticles In Carbon Matrix: Synthesis, Features And Biomedical Perspectives	Angelakeris, Makis	Thessaloniki, Greece
77	Chowdhury, Mohammad S.	Mind The Solvent Impurity And Never Give Up On Catechol Anchor: 3D Nano-Assembly And Aqueous Dispersion Of Cobalt-Ferrites	Chowdhury, Mohammad Suman	Braunschweig, Germany
78	Freis, Barbara	Effects Of Size, Shape And Defects Of Iron Oxide Nanoparticles On Photothermal And Magnetothermal Therapies	Freis, Barbara	Strasbourg, France
79	Harvell-Smith, Stanley	Synthesis Of Size-Controlled Iron Oxide Nanocubes For Mpi-Mfh Applications	Thanh, N. T. K.	London, UK
80	Nemec, Sebastjan	A Tunable Acid-Etching Procedure For The Preparation Of Partially Hollow Magnetic Nanostructures	Kralj, Slavko	Ljubljana, Slovenia

81	Adhikari, Samyog	Synthesis And Characterisation Of Batio3 – Cofe2O4 Magnetolectric Nanoparticles For Biomedical Applications.	Thanh, N. T. K.	London, UK
82	Raie, Diana	Synthesis Of Flower-Like Manganese Ferrite Nanostructures For Enhancing Chromium Bio-Reduction By Shewanella Oneidensis	Thanh, N. T. K.	London, UK
83	Çitoglu, Senem	Effect Of Iron Oxide Nanoparticle Surface Chemistry On Magnetic Property And Cytotoxicity On Hela Cells	Onur, Mehmet A.	Ankara, Turkey
84	Shah, Wiqar	Competing Interactions, And Magnetization Dynamics In Doped Rare-Earth Manganites Nanostructural System	Shah, Wiqar	Islamabad, Pakistan
85	Shlapa, Yuliia	"Core-Shell"-Like Fe3O4/CeO2 Nanocomposites For Perspective Application In Medicine: Synthesis, Physical-Chemical Characterization And Bio-Activity	Shlapa, Yuliia	Kyiv, Ukraine
86	Göpfert, Lennart	Millifluidic Two-Phase System For The Continuous Automated Manufacturing Of Mnp	Slabu, Ioana	Aachen, Germany
87	Stein, René	Synthesis And Characterization Of Gold-Coated Superparamagnetic Iron Oxide Nanoparticles For Magnetic Drug Targeting Treatment	Alexiou, Christoph	Erlangen, Germany
88	Zahn, Diana	Magnetic Microspheres: A Toolbox For Hyperthermia, Drug Delivery And Immunomagnetic Separation	Dutz, Silvio	Ilmenau, Germany
89	Zahn, Diana	Ferrimagnetic Iron Oxide Nanoparticles For Heating Applications: Large Single Domain Particles Prepared By The Green Rust Method	Dutz, Silvio	Ilmenau, Germany
90	Bielas, Rafal	Colloidal Microcapsules Fabricated From Pickering Droplets Using Alternating Magnetic Fields	Bielas, Rafal	Poznan, Poland
91	Chiriac, Horia	Stem Cells Carriers Of Fe-Cr-Nb-B Ferromagnetic Particles For Cancer Cell Destruction By Magneto-Mechanical Actuation	Chiriac, Horia	Iasi, Romania
92	Lafuente, Aritz	Ferromagnetic Drug Loaded Biodegradable Nanocapsules For Externally Controlled And Non-Invasively Monitored Nanotherapies.	Lafuente, Aritz	Barcelona, Spain
93	Castro-Hinojosa, C.	Oriented Immobilization Of Cadherin Fragments On Magnetic Nanoparticles As Novel Magneto-Mechanical Cell Actuators	Moros, Maria	Zaragoza, Spain
94	Nucci, Giulia Eugenia Paola	Magnetic Hyperthermia As A Combinatorial Tool To Develop New Therapies Against Cancer	Pellegrino, Teresa	Genova, Italy
95	Ramirez, Maria de los Angeles	Dendronized Iron Oxide Nanoparticles Used As Theragnostic Agents For Breast Cancer Treatment	Ramirez, Maria de los Angeles	Strasbourg, France
96	Santander, Sergio	Synthesis And Characterisation Of Fe@FePt Core-Shell Nanocubes For Synergistic Magneto-Phototherapy	Thanh, N. T. K.	London, UK
97	Gwisai, Tinotenda	Using Magnetic Torques To Enhance Tumor Infiltration Of Cargo-Carrying Magnetotactic Bacteria	Schuerle, Simone	Zurich, Switzerland
98	Le Jeune, Matilde	Poly-Histidine Functionalized Fe2O3@SiO2 Nanoparticles To Access The Cell Cytoplasm	Secret, Emilie	Paris, France
99	Engelmann, Ulrich	Optimal Particles For Highly Sensitive Biosensing Application In Mixed Frequency Excitation: Insights From A Fundamental Simulative Approach	Engelmann, Ulrich	Jülich, Germany
100	Kahmann, Tamara	Optimizing Virus Detection With Magnetic Nanoparticles	Kahmann, Tamara	Braunschweig, Germany
101	Rösch, Enja	Point-Of-Need Detection Of Pathogen-Specific Nucleic Acid Targets Using Magnetic Particle Spectroscopy	Roesch, Enja	Braunschweig, Germany
102	Su, Diqing	Ultra-Flexible Giant Magnetoresistance Biosensors For Realtime Monitoring Of Tumor Cells: Method For Future Lab-On-A-Needle Biopsies	Wang, Jian-Ping	Minneapolis, USA
103	Rosenberg, Margaret	Understanding The Dynamic Susceptibility Of Magnetic Nanoplatelet Suspensions	Kantorovich, Sofia	Vienna, Austria
104	Ivan, Novikau	The Influence Of Spatial Crosslinker Distribution On The Magnetic And Rheological Properties Of Magnetic Nanogels	Kantorovich, Sofia	Vienna, Austria
105	Hannon, Gary	Safety and efficacy assessment of iron oxide nanoparticles intended for magnetic hyperthermia: a translational story	Hannon, Gary	Dublin, Ireland
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