

SESJA PLAKATOWA

POSTER SESSION

ON 1

1. [Aneta Wardak](#), M. Szot, G. Janusz, D. Kochanowska, M. Witkowska-Baran,
A. Mycielski,
Deep defect levels in high-resistivity CdMnTe crystals
2. [Tomasz Andrearczyk](#), K. Levchenko, J. Sadowski, J. Z. Domagala, A. Kaleta,
P. Dłużewski, J. Wróbel, T. Figielski, T. Wosinski,
*Structural quality and magnetotransport properties of epitaxial layers of the
(Ga,Mn)(Bi,As) dilute magnetic semiconductor*
3. [Karolina Karpińska](#), G. Karczewski, A. Witowski, J. Polaczyński, J. Korczak,
S. Schreyeck, S. Chusnutdinow, T. Story, M. Szot,
CdTe/PbTe periodic structures as photonic crystals
4. [Łukasz Kilański](#), A. Khalil, M. Arciszewska, A. Avdonin, B. Brodowska, A. Khan,
W. Dobrowolski, V. E. Slyntko, E. I. Slyntko,
Magnetic ordering in Ge_{1-x-y}(Sn_xMn_y)Te multiferroics

5. [Andrei Avdonin](#),

Mean-field simulation of hopping resistivity in a model with Coulomb interactions and current correlations

ON 2

1. F. Derkachov, [Daniel Jakubczyk](#), K. Kolwas, K. Piekarski,

Dynamic light scattering on single levitated microdroplets of nanofluids

2. [Maciej Kolwas](#), D. Jakubczyk, J. Archer, Tho Do Duc,

Investigation of evolution of surface layer of evaporating, single microdroplets of SDS/DEG colloidal suspension, the influence of micelle generation

3. [Irina Zajcowa](#), R. Minikayev, E. Dobročka, M. Špankova, N. Bruyant,

Marta Z. Cieplak,

Structural properties and magnetoresistance of $La_{1.952}Sr_{0.048}CuO_4$ thin films

4. [Marta Z. Cieplak](#), I. Zajcowa, A. Abaloszew, B. C. Camargo, Y. Syryanyy,

Upper critical field and superconductor-metal transition in ultrathin niobium films

5. [Jacek Szczepekowski](#), A. Grochola, P. Kowalczyk, W. Jastrzębski,

The $2^1\Pi \sim 2^3\Pi \sim 3^3\Sigma^+$ states system in the KCs molecule

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6. Jerzy Karpiuk, P. Gawryś, E. Karpiuk,

White molecular fluorescence: Can a molecule emit sun-like light?

7. Michał Ławniczak, P. Kurasov, Sz. Bauch, M. Białous,

Euler characteristic of quantum graphs and microwave networks

ON 3

1. Przemysław Iwanowski, M. Główacki, A. Hruban, J. Fink - Finowicki, K. Cieślak, R. Diduszko, M. Czech, A. Wadge, T. Wojciechowski, B. Kowalski, A. Wiśniewski, M. Berkowski,

Growth and characterization of Weyl semimetal single crystals and single crystals of oxides for optoelectronic applications

2. Oleksandr Chumak, A. Nabiałek, J. Domagała, T. Seki, K. Takanashi,

L. T. Baczewski, H. Szymczak,

Strain induced magnetic anisotropy in thin $Co_2Fe_{0.4}Mn_{0.6}Si$ magnetic layer

3. Ewa Mosiniewicz-Szablewska, A. Tedesco, P. Suchocki, P. Morais

Magnetic studies of polylactic-co-glycolic acid nanocapsules loaded with selol and $\gamma-Fe_2O_3$ nanoparticles

4. Roger Kalvig, E. Jędryka, M. Wójcik, M. Petit, L. Michez,

Modification of single ion anisotropy in epitaxial $Mn_5Ge_3/Ge(111)$ films by carbon doping

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5. [Natalia Nedelko](#), P. Aleshkevych, D. Kowalkowska-Zedler, A. Pladzyk,
A. Ślawska-Waniewska,
*Novel tetrahedral cobalt(II) silanethiolates: a variety of structures and
magnetic properties*
6. M. Krajewski, [Sabina Lewinska](#), Sz-Chian Liou, Wen-An Chiou, M.Tokarczyk,
A. Małolepszy, M. Płocińska, A. Witecka, A. Ślawska – Waniewska,
*Amorphous Fe_xCo_{1-x} wire-like nanostructures prepared by surfactant-free
magnetic-field-induced synthesis*
7. Ł. Gladczuk, [Leszek Gladczuk](#), P. Dlużewski, K. Lasek, P. Aleshkevych, D.M. Burn,
G. van der Laan, T. Hesjedal,
Investigation of coupling parameters in MgO-based magnetic tunnel junctions
8. [Sukanta Kumar Jena](#), R. Islam, E. Milińska, M. Jakubowski, A. Pietruszak,
R. Minikayev , W. Paszkowicz, S. Lewińska, A. Lynnyk , R. Puźniak, S. Iosif,
P. Aleshkevych, C. Autieri, A. Maziewski, A. Wawro,
*Investigation of interfacial Dzyaloshinskii-Moriya interaction and ferromagnetic
resonance of MBE grown W/Co/Pt heterostructures*
9. [Yaroslav Konopelnyk](#), I. Radelytskyi, P. Iwanowski, D. J. Gawryluk,
M. Berkowski, R. Diduszko, J. Fink-Finowicki, R. Puzniak, H. Szymczak,
*Effect of hydrostatic and chemical pressures on spin-reorientation transition,
magnetic and magnetocaloric properties of Fe_7Se_8 single crystals*

ON 4

1. Volodymyr Tsiumra, A. Krasnikov, Ya. Zhydachevskyy, Yu. Hizhnyi, S.G. Nedilko, Ł. Wachnicki, L. Vasylechko, S. Zazubovich, A. Suchocki,
Spectroscopic studies of Bi³⁺ - doped Ca₃Ga₂Ge₃O₁₂ garnet
2. Yaroslav Zhydachevskyy, Yu. Hizhnyi, S.G. Nedilko, M. Głowacki, M. Berkowski, A. Suchocki,
Optical properties and electronic structure of RAlO₃ (R = La, Gd, Y, Yb, Lu) perovskites
3. J. Kaszewski, J. Rosowska, B.S. Witkowski, Marek Godlewski, J. Olszewski, P. Kiełbik, M. M. Godlewski,
A new generation of cancer markers and drug transport
4. Aleksandra Seweryn, K. Lawniczak-Jablonska, B. S. Witkowski, P. Kuzmiuk, M. Ozga, M. Godlewski, A. Śmieszek, K. Karnioka – Grzybowska, K. Marcinkowska, M. Sikora, A. Fal, M. Alicka, K. Marycz,
Atomic layer deposition technology as a method allowing functionalization of the implant surfaces designed for the osteoporotic patients
5. Ramon Schifano, T. A. Krajewski, P. Dluzewski, W. Zajkowska, B. Kurowska, G. Luka, K. Kopalko, E. Guziewicz, and P. S. Smertenko,
Schottky contact to ALD ZnO: transport mechanisms and H₂O₂ effects

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6. Elżbieta Guziewicz, S. Kobyakov, R. Ratajczak, W. Wozniak, A. Kaminska,
*Optical response of epitaxial ZnO films grown by ALD and co-implanted with Dy
and Yb*
7. Abinash Adhikari, S. Mishra, E. Przeździecka, J. Sajkowski, P. Sybilski,
E. Guziewicz,
*Optical properties of ZnO deposited by ALD on sapphire: A comparison of thin
and thick films*
8. Anastasiia Lysak, E. Przeździecka, K. M. Paradowska, A. Wierzbicka, P. Sybilski,
J. Sajkowski, R. Jakielo, E. Placzek-Popko, A. Kozanecki,
Influence of As doping on the properties of MBE grown nonpolar ZnO thin films
9. Bronisław A. Orlowski, E. Guziewicz, B.J. Kowalski,
*Resonance photoemission study of selected rare earth ions dopants in
semiconductor compounds*
10. Aleksandra Wierzbicka, A. Kaminska, K. Sobczak, J. Borysiuk, D. Jankowski,
K. Koronski, M. Sobanska, K. Klosek, Z. R. Żytkiewicz,
*Strain distribution in GaN/AlN multi quantum wells studied by X-ray diffraction
and photoluminescence*

ON 5

1. [Paolo Comaron](#), V. Shahnazaryan, W. Brzezicki, T. Hyart, M. Matuszewski,
Non-Hermitian topological insulators in one-dimensional light-matter systems
2. [Jan A. Krzywda](#), Ł. Cywiński,
Relaxation Aided Charge Transfer Between Two Quantum Dots at Finite Temperature
3. [Quyen V. Vu](#), Yang Jiang, Mai Suan Li, E. P. O'Brien,
The Driving Force for Co-translational Protein Folding is Weaker Near the Ribosome Surface due to Greater Water Ordering
4. [Jacek Dobrzyniecki](#), T. Sowiński,
Two Rydberg-dressed atoms escaping from an open well
5. [Damian Włodzyński](#), T. Sowiński,
Non-adiabatic transition in a mass-imbalance few-fermion mixture
6. D. Ballarini, A. Gianfrate, R. Panico, [Andrzej Opala](#), S. Ghosh, L. Dominici,
V. Ardizzone, M. De Giorgi, G. Lerario, G. Gigli, T. C. H. Liew, M. Matuszewski,
D. Sanvitto,
Polaritonic Neuromorphic Computing Outperforms Linear Classifiers

7. Piotr Szańkowski, Łukasz Cywiński,

Noise representations of open system dynamics

8. Saeed Samadi, R. Rechciński, R. Buczko,

*One-dimensional Dirac modes in the core of a pentagonal topological
crystalline insulator nanowires*

9. Filip Gampel, M. Gajda,

Continous observation of a few body quantum system

10. Mariusz Gajda, F. Gampel, J. Mostowski, T. Sowiński, M. Załuska-Kotur,

Pauli crystals

11. Soheil Arbabi, Zhizhao Che, P. Deuar, P. E. Theodorakis,

*Molecular investigation of the coalescence dynamics of surfactant-laden
droplets*

12. Panagiotis E. Theodorakis, A. Amirfazli, Bin Hu, Zhizhao Che,

Droplet control based on pinning and substrate wettability

ON 6

1. Ashutosh Wadge,

*A non-Magnetic topological semimetal TaAs₂: Crystal growth, Low temperature
transport and ARPES study*

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2. Bartłomiej Turowski, O. Caha, N. Olszowska, J. Kołodziej, T. Wojtowicz,
G. Springholz, V. V. Volobuev,

ARPES studies of transition metal / topological crystalline insulator interface

SL 1

1. Paweł Rejmak,

Solving the puzzle of red chromophore in ultramarine pigments

by electronic structure methods

2. S. Antonowicz, P. Zalden, K. Sokolowski-Tinten, C. Bressler, M. Chojnacki,

P. Dziegielewski, G. Evangelakis, A.R. Fernandez, K. Fronc, W. Gawełda,

K. Georgarakis, A.L. Greer, I. Jacyna, R.W.E. van de Kruijs, R. Kaminski,

D. Khakhulin, D. Klinger, K. Kosyl, K. Kubicek, A. Olczak, N.

Panagiotopoulos, M. Sikora, P. Sun, H. Yousef, Ryszard Sobierajski,

Ultrafast probing of the atomic structure of supercooled liquid metals

3. Aleksandra Drzewiecka - Antonik, P. Rejmak, M.T. Klepka, A. Wolska,

*The geometry of bioactive Cu(II) complexes determined by XAS and UV-Vis
spectroscopies*

4. Adrian Sulich, J.Z. Domagala, A. Shekhovtsov, M. Berkowski, W. Paszkowicz,

Study of defect structure of ordered REVO₄ and disordered Ca₉RE(VO₄)₇ and

Ca₃RE₂(BO₃)₄ (RE = rare earth) single crystals

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5. [Katarzyna M. Kosyl](#), A. Gągor, W. Paszkowicz, A. N. Shekhovtsov, M. B. Kosmyna, D. Trzybiński, K. Woźniak,
Disorder in $\text{Ca}_3\text{RE}_2(\text{BO}_3)_4$ ($\text{RE} = \text{Nd}, \text{Gd}$) structure
 6. [Roman Minikayev](#), D. Kochanowska, A. Mycielski, W. Paszkowicz,
Powder X-ray diffraction study of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ solid solution
 7. [Wojciech Paszkowicz](#), M. Wołczyrz, K. Grasza, P. Skupiński, G. Grabecki,
Structure refinement for $(\text{Cd},\text{Zn})_3\text{As}_2$
 8. [Dorota Janaszko](#), P. Dziawa, S. Kret, A. Kaleta, S. Kryvyi, B. Kurowska, M. Bilska, J. Poloaczyński, J. Turczyński, J. Sadowski,
The structure and oxidation mechanism of $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$ nanowires grown by MBE method

SL 2

1. [Katarzyna Gas](#), J. Z. Domagala, D. Sztenkiel, R. Jakiela, D. Hommel, M. Sawicki,
Raman scattering studies of the lateral Mn distribution in MBE-grown $\text{Ga}_{1-x}\text{Mn}_x\text{N}$ epilayers
2. [Maciej Zgirski](#), M. Foltyn, A. Savin, A. Naumov, K. Norowski,
Heat Hunting in a Freezer: Direct Measurement of Quasiparticle Diffusion in Superconducting Nanowire

SL 3

1. Łukasz Kłopotowski, J. Mikulski, M. Szymura, M. Parlińska-Wojtan,
R. Minikayev, T. Kazimierczuk, J. Kossut,
Extremely slow spin relaxation in Cu-doped colloidal CdSe quantum dots
2. Piotr Baranowski, P. Wojnar, M. Szymura, J. Płachta, S. Chusnutdinow,
G. Karczewski, T. Wojtowicz, J. Kossut,
Type II excitons in Cd(Se,Te)/ZnTe self assembled quantum dots
3. Piotr Wojnar, M. Szymura, Ł. Kłopotowski, A. Rodek, T. Kazimierczuk,
P. Kossacki, K. Fronc, S. Chusnutdinow, J. Kossut,
Copper doping of epitaxial Se-based quantum dots and quantum wells

SL 4

1. Szymon Kubiszewski - Jakubiak, R. Worch,
Influenza A H1 & H3 Transmembrane Domains Interact Differently with Each Other and with Surrounding Membrane Lipids.
2. Izabela Kamińska, D. Jankowski, B. Sikora, P. Kowalik, R. Minikayev,
T. Wojciechowski, M. Chojnacki, K. Sobczak, J. Rybusiński, J. Szczytko, K. Zajdel,
A. Suchocki, W. Paszkowicz, M. Frontczak-Baniewicz, K. Fronc,
Structural, optical and magnetic properties of $Y_{3-0.02-x} Er_{0.02} Yb_x Al_5 O_{12}$ ($0 < x < 0.20$) nanocrystals: effect of Yb content

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3. [Anna Borodziuk](#), P. Kowalik, M. Duda, R. Minikayev, T. Wojciechowski,
K. Sobczak, D. Kalinowska, Ł. Kłopotowski, B. Sikora,
*Efficient photodynamic therapy with unmodified Rose Bengal photosensitizer
connected to upconverting nanoparticles*
4. [Michał K. Białobrzewski](#), A. Niedźwiecka,
*Molecular docking of mRNA 5' cap analogues containing aromatic substituents
to human translation initiation factor eIF4E*
5. B. Klepka, A. Stelmachowska, [Anna Niedźwiecka](#),
Diffusion of highly charged intrinsically disordered proteins
6. [Przemysław Kowalik](#), I. Kamińska, K. Fronc, A. Borodziuk, M. Duda,
T. Wojciechowski, K. Sobczak, D. Kalinowska, M. T. Klepka, B. Sikora,
*The ROS-generating bio-functionalized NaYF₄:Yb,Tm@SiO₂ upconverting
nanoparticles for photodynamic therapy application*
7. [Mateusz Chwastyk](#), M. Cieplak,
Conformational biases of α-synuclein and Formation of Transient Knots