	ICMM2023 Pri	ogram :	Sep 10 th – 14 th Nanjing Intern	ational	Youth Cultural Centre -	Nanjing	J Hall (南京国际青年文化	「中心」	- 南京厅)
	Sep 10 Sunday		Sep 11 Monday		Sep 12 Tuesday		Sep 13 Wednesday		Sep 14 Thursday
		8:00	Opening Ceremony						
		Session	PL1 Chair: Song Gao	Session	PL2 Chair: Yang-Long Hou	Session	PL3 Chair: Masahiro Yamashita	Session F	'L4 Chair: Rodolphe Clérac
	9:00 - 16:30	8:30	Kahn Lecture: Eugenio Coronado	8:30	PL2 Stuart Parkin	8:30	PL3 Roberta Sessoli	8:30	PL4 Jiang-Feng Du
	Vicina Ctor Commonly me	Session	1 Chair: Hiroki Oshio	Session	5 Chair: Talah Mallah	Session	9 Chair: Eugenio Coronado	Session 1	1 Chair: Jürgen Schnack
_	kising star symposium (Room 736)	9:10	Memorial Section	9:10	K2 Colette Boskovic	9:10	Memorial Section Dedicated to Peter Day	9:10	K4 Shang-Da Jiang
		9:25	K1 Masahiro Yamashita	9:40	19 Osamu Sato	9:20	K3 Rodolphe Clérac	9:40	119 Kai Yang
		9:55	11 Feng-Qi Song	10:05	O8 Mikhail Kiskin	9:50	116 Hitoshi Miyasaka	10:05	019 Andrea Cornia
		10:20	C offee Break (20 min)	10:25	Coffee Break (15 min)	10:15	C offee Break (20 min)	10:25	C offee Break (20 min)
		Session	2 Chair: Liviu F. Chibotaru	Session	6 Chair: Peng Cheng	Session	10 Chair: Colette Boskovic	Session 1	2 Chair: Gopalan Rajaraman
		10:40	I2 Annie K. Powell	10:40	110 Eliseo Ruiz	10:35	117 Mauro Perfetti	10:45	120 Alexey A. Popov
		11:05	13 Gopalan Rajaraman	11:05	111 La-Sheng Long	11:00	118 Hiroko Tokoro	11:10	121 Sanjit Konar
		11:30	01 Sergey A. Varganov	1130	O9 Jürgen Schnack	11:25	017 Rui-Kang Huang	11:35	O20 Shang-Feng Yang
		11:50	O2 Jun-Liang Liu	11:50	O10 Peng Song	11:45	O18 Wei Shi	11:55	O21 Dmitri V. Konarev
		12:10	FP1-2 Flash Presentation	12:10	FP7-8 Flash Presentation				
		12:20	Lunch	12:20	Lunch	12:05	Lunch	12:15	Lunch
14:00	Registration	Session	3 Chair: Malcolm A. Halcrow	Session	7 Chair: Eliseo Ruiz	13:00	Excursion	Session 1	3 Chair: Jing-Lin Zuo
		13.30	Memorial Section	13.30	Memorial Section			13:30	122 Liviu F. Chibotaru
			Dedicated to Philipp Gütlich		Victor Ovcharenko			13:55	I23 Yan-Zhen Zheng
		13:40	14 Gábor Molnár	13:40	112 Imma Ratera			14:20	022 Carlos J. Gómez-García
		14:05	I5 Birgit Weber	14:05	113 Xin-Ping Wang			14:40	O23 Hong-Cheng Lu
		14:30	I6 Grace Morgan	14:30	011 Sergey L. Veber			15:00	O24 Szymon Chorazy
		14:55	O3 Corine Mathonière	14:50	012 De-Xian Wang			15:20	O25 Sourav Dey
		15:15	O4 Takayuki Ishida	15:10	013 Maxim A. Faraonov			15:40	O26 Mikhail Vaganov
		15:35	C offee Break (20 min)	15:30	Coffee Break (20 min)			16:00	Poster Award & Closing
		Session	4 Chair: Tao Liu	Session	8 Chair: Ming-Liang Tong				
		15:55	17 Malcolm A. Halcrow	15:50	114 Selvan Demir				
		16:20	I8 Shinya Hayami	16:15	115 Dawid Pinkowicz				
		16:45	O5 Xin Bao	16:40	014 Hong-Yan Chen				
		17:05	O6 Wan-Tong Huang	17:00	O15 Peng Zhang				
		17:25	O7 Bing Yin	17:20	016 Kazuya Nakashima				
		17:45	FP3-6 Flash Presentation	17:40	FP9-13 Flash Presentation				
		18:05	Dinner	18:05	Dinner				
19:00	Welcome Reception	19:00	Poster	19:00	Poster	19:00	Banquet		

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IC:WW 5053

The 18th International Conference on Molecule-Based Magnets



ICMM2023 Rising Star Symposium Program

Sunday, September 10th

Opening

Section1 Chair: Jing-Lin Zuo

- 9:00-9:25 Tailoring 2D Materials with Spin-Crossover Metal-Organic Frameworks Samuel Mañas-Valero (*University of Valencia, Spain*)
- 9:25-9:50 Two-Coordinate Dysprosium SMMs Gemma Gransbury (*The University of Manchester, UK*)
- 9:50-10:15 Synergy Effect in Bifunctional Molecular Magnetic Materials" Zhao-Yang Li (*Nankai University, China*)
- 10:15-10:30 Coffee Break

Section 2 Chair: Masahiro Yamashita

- 10:30-10:55 Strongly Correlated Phenomena in Two Dimensional Conjugated Metal Organic Frameworks Zhong-Yue Zhang (*Kumamoto University, Japa*n)
- 10:55-11:20 Complete Phase Transition Induced by Hydrogen Bonding Formation Based on Cyanide-Bridged Metal Complexes Yoshihiro Sekine (*Kumamoto University, Japan*)
- 11:20-11:45 Simultaneous Photo-Induced Magnetic and Dielectric Switching in Fe-Based Coordination Polymers" Yin-Shan Meng (*Dalian University of Technology, China*)
- Section 3 Chair: Roberta Sessoli
- 13:30-13:55 From Thin Films Deposition to Nanocomposite Fabrication of Bistable Coordination Polymers Magdalena Fitta (*Institute of Nuclear Physics PAS, Poland*)
- 13:55-14:20 Magnetic Molecular Heterostructures Qing-Yun Wan (*The University of Hong Kong, China*)
- 14:20-14:45 Magnetoelastic Coupling in a Candidate Qubit Molecule Marcus J. Giansiracusa (*University of Melbourne, Australia*)
- 14:45-15:00 Coffee Break

Section 4 Chair: Matvey V Fedin

- 15:00-15:25 Coherent Spin-Electric Coupling in Molecular Nanomagnets Jun-Jie Liu (*University of Oxford, UK*)
- 15:25-15:50 Quantum Nanomagnets in On-Surface Porphyrin Chains Shi-Yong Wang (*Shanghai Jiao Tong University, China*)
- 15:50-16:15 Creation of Quantum Spin System Doped in Metal-Organic Frameworks Masanori Wakizaka (*Chitose Institute of Science and Technology, Japan*)

Closing

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Molecule-Based Magnets

ICMM2023 Program

Monday, September 11th

Opening Ceremony

8:00-8:30

Session PL1

Chair: Song Gao

- 8:30-9:10 Kahn Lecture
 - **PL1** A molecular approach to 2D magnetic materials Eugenio Coronado (*University of Valencia, Spain*)

Session 1

Chair: Hiroki Oshio

9:10-9:25	Memo	rial Section
9:25-9:55	K1	Molecular spin qubits for quantum computer and high-density memory devices
		based on molecular magnets
		Masahiro Yamashita (<i>Tohoku University, Japan</i>)
9:55-10:20	11	Electrically tunable molecular magnetism and giant magnetoresistance in Dy@C $_{84}$
		single-molecule transistors
		Feng-Qi Song (<i>Nanjing University, China</i>)

Session 2

Chair: Liviu F. Chibotaru

10:40-11:05	12	Construction of a giant 3d/4f toroidal sandwich using molecular building blocks Annie K. Powell (<i>Karlsruhe Institute of Technology, Germany</i>)
11:05-11:30	13	Advancing molecular nano magnet design with the aid of molecular modelling Gopalan Rajaraman (<i>Indian Institute of Technology Bombay, India</i>)
11:30-11:50	01	Nonadiabatic coupling for the crystal field hamiltonian describing lanthanide single-ion magnets Sergey A. Varganov (<i>University of Nevada, Reno, USA</i>)
11:50-12:10	02	Lanthanide-based single-molecule magnets: from single spin to multiple spins Jun-Liang Liu (<i>Sun Yat-Sen University, China</i>)
12:10-12:20	FP1-2	Flash Presentation

Session 3

Chair: Malcolm A. Halcrow

13:30-13:40 Memorial Section: Dedicated to Philipp Gütlich



13:40-14:05	14	Molecular spin crossover materials: towards artificial muscles Gábor Molnár (<i>University of Toulouse, France</i>)
14:05-14:30	15	Switchable molecules in polymers Birgit Weber (<i>University of Bayreuth, German</i> y)
14:30-14:55	16	Spin state switching in non-centrosymmetric crystals Grace Morgan (<i>University College Dublin, Ireland</i>)
14:55-15:15	03	Metal-to-metal charge transfer in cyanido-bridged Fe/Co dinuclear compounds Corine Mathonière (<i>University of Bordeaux, France</i>)
15:15-15:35	04	Stereoisomeric effect on spin crossover in iron(II) bisdiimine dithiocyanates Takayuki Ishida (<i>The University of Electro-Communications, Japan</i>)
Session 4		
Chair: Tao Liu		
15:55-16:20	17	The effect of isomorphous dopants on spin-crossover crystals does not simply depend on the dopant ionic radius Malcolm A. Halcrow (<i>University of Leeds, UK</i>)
16:20-16:45	18	Ferroelectric molecules induced by dynamic spin Shinya Hayami (<i>Kumamoto University, Japan</i>)
16:45:17:05	05	Achieving room temperature spin-state manipulation of Fe(II) complexes based on acylhydrazone ligands Xin Bao (<i>Nanjing University of Science and Technology, China</i>)
17:05-17:25	06	Spin engineering in artificial atom-molecule hybrids Wan-Tong Huang (<i>Karlsruhe Institute of Technology, Germany</i>)
17:25-17:45	07	Concise criterion for high-performance SMM: the co-existence of long τ_{QTM} and high U_{eff} Bing Yin (<i>Northwest University, China</i>)
17:45-18:05	FP3-6	Flash Presentation

Poster Session

19:00-21:00

Tuesday, September 12th

Session PL2

Chair: Yang-Long Hou

Chiral spintronics and superconducting spintronics phenomena 8:30-9:10 PL2 Stuart Parkin (Max Planck Institute of Microstructure Physics, Germany)

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Session 5

Chair: Talah Mallah

9:10-9:40	К2	Predicting valence tautomerism in diverse cobalt-dioxolene complexes Colette Boskovic (<i>University of Melbourne, Australia</i>)
9:40-10:05	19	Control of magnetic and electric polarization via electron transfer in molecular crystals Osamu Sato (<i>Kyushu University, Japan</i>)
10:05-10:25	08	Structural phase transition as a driving force for changing the orbital angular momentum of cobalt(II) ions in 1D-polymeric compound Mikhail Kiskin (<i>N.S. Kurnakov Institute of General and Inorganic Chemistry RAS, RUS</i>)
Session 6		
Chair: Peng Ch	neng	
10:40-11:05	110	From single-molecule to 2D layers: magnetism and transport
		Eliseo Ruiz (University of Barcelona, Spain)
11:05-11:30	111	Accurate prediction of magnetic ordering temperature of magnetic refrigerants La-Sheng Long (<i>Xiamen University, China</i>)
11:30-11:50	09	Toroidal magnetic molecules stripped to their basics Jürgen Schnack (<i>Bielefeld University, Germany</i>)
11:50-12:10	010	Charge-spin conversion in atomically thin 2D crystals Peng Song (<i>Nanyang Technological University, Singapore</i>)
12:10-12:20	FP7-8	Flash Presentation
Session 7		
Chair: Eliseo R	uiz	

- 13:30-13:40 Memorial Section: Dedicated to Juan J. Novoa & Victor Ovcharenko
- 13:40-14:05I12Nanothermometer based on polychlorinated trityl radicals showing two-photon
excitation and emission in the biological transparency window
Imma Ratera (*The Institute of Materials Science of Barcelona, Spain*)
- 14:05-14:30 I13 Spin frustration in organic radicals Xin-Ping Wang (*Shanghai Institute of Organic Chemistry CAS, China*)
 14:30-14:50 O11 High-field EPR of copper(II)–nitroxide compound exhibiting three-step phase transition: structural insights from the field-induced sample orientation Sergey L. Veber (*International Tomography Center SB RAS, Russia*)
- 14:50-15:10 **O12** Diverse magnetism of benzene triimide radical anions De-Xian Wang (*Institute of Chemistry CAS, China*)



15:10-15:30	013	Magnetic properties of crystalline complexes based on reduced copper(II)
		phthalocyanines with different degree of fluorination
		Maksim A. Faraonov (Federal Research Center of Problems of Chemical Physics and
		Medicinal Chemistry RAS, Russia)

Session 8

Chair: Ming-Liang Tong

15:50-16:15	114	Employing radicals and bismuth in lanthanide single-molecule magnet design Selvan Demir (<i>Michigan State University, USA</i>)
16:15-16:40	115	A simple triangular multi-redox pseudo-[6]oxocarbon showing multifunctionality Dawid Pinkowicz (<i>Jagiellonian University, Poland</i>)
16:40:17:00	014	Indirect spin-readout of rare-earth-based single-molecule magnet with scanning tunneling microscopy Hong-Yan Chen (<i>Karlsruhe Institute of Technology, German</i>)
17:00-17:20	015	Organometallic radical-bridged heterometallic single molecule magnets Peng Zhang (Shaanxi Normal University, China)
17:20-17:40	016	Determination of the unique antiferromagnetic spin structure on gyroidal MOF [Ru(bpy)3][Mn2(ox)3] by single-crystal neutron diffraction Kazuya Nakashima (<i>Nagoya University, Japan</i>)

17:40-18:05 FP9-13 Flash Presentation

Poster Session

19:00-21:00

Wednesday, September 13th

Session PL3

Chair: Masahiro Yamashita

8:30-9:10	PL3	Magnetic molecules for quantum information: the challenge of single spin
		addressing
		Roberta Sessoli (University of Florence, Italy)

Session 9

Chair: Eugenio Coronado

 9:10-9:20 Memorial Section: Dedicated to Peter Day
 9:20-9:50 K3 New metal-organic magnets Rodolphe Clérac (University of Bordeaux, France)
 9:50-10:15 I16 Chemo-switchable porous magnets Hitoshi Miyasaka (Tohoku University, Japan)

Molecule-Based Magnets

Session 10

Chair: Colette Boskovic

10:35-11:00	117	Spin-electric effect on chiral lanthanide complexes Mauro Perfetti (<i>University of Florence, Italy</i>)
11:00-11:25	118	Correlation between the phonon frequency and long-range magnetic ordering on molecule-based magnets Hiroko Tokoro (<i>University of Tsukuba, Japan</i>)
11:25-11:45	017	Towards molecular multiferroics by supramolecular rotor and ferromagnetic [MnCr(oxalate) ₃] ⁻ Salts Rui-Kang Huang (<i>Hokkaido University, Japan</i>)
11:45-12:05	O18	Modulation of coordination structures and magnetization dynamics of coordination compounds with varied structural dimensionality Wei Shi (<i>Nankai University, China</i>)

Thursday, September 14th

Session PL4

Chair: Rodolphe Clérac

8:30-9:10	PL4	Single molecule magnetic resonance and applications
		Jiang-Feng Du (Zhejiang Univ. & Univ. of Science and Technology of China, China)

Session 11

Chair: Jürgen Schnack

9:10-9:40	K 4	Spin manipulation in magnetic molecules
		Shang-Da Jiang (South China University of Technology, China)
9:40-10:05	119	Atomic-scale magnetic resonance of quantum spins on a surface Kai Yang (<i>Institute of Physics CAS, China</i>)
10:05-10:25	O19	Quantum spin coherence and electronuclear coupling channels in vanadyl-containing lantern complexes Andrea Cornia (<i>University of Modena and Reagio Emilia, Italy</i>)

Session 12

Chair: Gopalan Rajaraman

10:45-11:10	120	Playing with rare-earth spins inside carbon cages
		Alexey A. Popov (Leibniz Inst. for Solid State and Materials Research Dresden, DEU)
11:10-11:35	121	Enantio-separation as a consequence of chiral recognition and spin crossover in a tetrahedral nanocage Sanjit Konar (<i>Indian Institute of Science Education and Research Bhopal, India</i>)
11:35-11:55	O 20	Magnetic regulation of endohedral metallofullerenes
		Shang-Feng Yang (University of Science and Technology of China, China)



11:55-12:15	021	Design of metal-organic paramagnets based on fullerenes, metallocomplexes, hexaazatriphenylenes and spiropyranes Dmitri V. Konarev (Federal Research Center of Problems of Chemical Physics and Medicinal Chemistry RAS, Russia)
Session 13		
Chair: Jing-Lir	n Zuo	
13:30-13:55	122	Increasing the magnetic blocking temperature of single-ion magnets Liviu F. Chibotaru (<i>Katholieke Universiteit Leuven, Belgium</i>)
13:55-14:20	123	Regulating and developing lanthanide ions based molecular magnets Yan-Zhen Zheng (<i>Xi'an Jiaotong University, China</i>)
14:20-14:40	022	From 0D to 2D and 3D anilato-based single-molecule and single-ion magnets Carlos J. Gómez-García (<i>University of Valencia, Spain</i>)
14:40-15:00	023	Experimental realization of low dimensional and frustrated antiferromagnets Hong-Cheng Lu (<i>Huazhong University of Science and Technology, China</i>)
15:00-15:20	024	Search for design principles for lanthanide(III) single-molecule magnets optically self-monitoring the temperature Szymon Chorazy (<i>Jagiellonian University, Poland</i>)
15:20-15:40	025	Exploring the electronic structure and magnetic properties of lanthanide based 2D van der Walls materials Sourav Dey (<i>University of Valencia, Spain</i>)
15:40-16:00	026	Linear electric field effect in Mn(II) trigonal bipyramidal complexes Mikhail Vaganov (<i>University of Oxford, UK</i>)

Poster Award & Closing

16:00-16:30



Flash Presentations

12:10-12:20, Monday, September 11th

- **FP1** Magnetometric characterization of redox-active MOFs in the solid-state electrochemistry Qi Chen (*Nagoya University, Japan*)
- **FP2** Hybrid nanostructures of magnetic Prussian blue analogues and plasmonic gold nanoparticles Marc Coronado-Puchau (*University of Valencia, Spain*)

17:45-18:05, Monday, September 11th

- **FP3** Rotating magnetocaloric effect in highly anisotropic molecular magnets with sizeable low-field efficiency Dominik Czernia (*Institute of Nuclear Physics PAN, Poland*)
- **FP4**Synthesis and magnetic property of ansa-bridged Er(III) complex
You-Song Ding (Southern University of Science and Technology, China)
- **FP5** Molecular engineering to develop 3d and 3d-4f metal based multiferroic complexes Rajashi Haldar (*Indian Institute of Technology Bombay, India*)
- FP6 New approach for modulating the thermal hysteresis temperature of bistable compounds driven by molecular motion Zhao-Bo Hu (*Jiangxi University of Sciences and Technology, China*)

12:10-12:20, Tuesday, September 12th

- **FP7** Electromagnetic response study of metal-organic frameworks-based composites Wei-Jin Li (*Nanjing University of Science and Technology, China*)
- **FP8** Self-assembly of spin crossover metal-organic frameworks with different topologies Zhao-Ping Ni (*Sun Yat-Sen University, China*)

17:40-18:05, Tuesday, September 12th

- **FP9** Encapsulation of two coordinate paramagnetic (open-shell) PdCl₂ into supramolecular cage Xue-Liang Shi (*East China Normal University, China*)
- **FP10** Bis(imidazolin-2-iminato) lanthanide (III) single-molecule magnets Rong Sun (*Peking University, China*)
- **FP11** Naphthalene-1,8-diyl bis(tert-butyl nitroxide) for a para-/diamagnetic switching material Rika Uesugi (*The University of Electro-Communications, Japan*)
- **FP12** Magnetodielectric effect in a dysprosium single-molecule toroic Yu-Xia Wang (*Nankai University, China*)
- **FP13** Superamolecular radical ferroic materials with paramagnetic property Yong-Fa Xie (*Nanchang University, China*)



Poster Presentations (Alphabetized by Last Name)

19:00-21:00, Monday, September 11th and Tuesday, September 12th

- **P1** Spin-flop transition in cyano-bridged Ni-W bimetal assembles Shintaro Akagi (*University of Tsukuba, Japan*)
- **P2** Mono- and trinuclear lanthanide complexes derived from highly symmetrical ligand 2,4,6-tris(2-pyrimidyl)-1,3,5-triazine: synthesis, structure and magnetic properties Burak Ay (*The University of Electro-Communications, Japan*)
- P3Magnetic properties of Dy-based dimetallofullerenesMatheus Barbosa (Leibniz Institute for Solid State and Materials Research Dresden, Germany)
- P4 Fe(III) heterometallic cyclobutane-1,1-dicarboxylate complexes: structure features and magnetic properties

Daniil O. Blinou (N.S. Kurnakov Institute of General and Inorganic Chemistry RAS, Russia)

- **P5** Probing the magnetization relaxation dynamics of four-coordinate lanthanide(III) complexes Dipanti Borah (*Indian Institute of Technology Bombay, India*)
- P6 Determination of the zero field splitting parameters of the cobalt(II) ion in diamagnetically diluted samples using circularly polarized radiation Alexandra Borodulina (International Tomography Center SB RUS, Russia)
- P7 Polar Fe(II)-Re(V) coordination chains as a source of thermal bistability of multiple physical properties

Tomasz Charytanowicz (Jagiellonian University, Poland)

- **P8** Allow switching between vertical parallel and co-linear ferromagnetic coupling in binuclear dysprosium single-molecule magnet with large-open/close hysteresis Ji-Tun Chen (*Heilongjiang University, China*)
- **P9** A hundredfold enhancement of relaxation times in closely related Er(III) single-molecule magnets Qi-Wei Chen (*Changchun University of Technology, China*)
- **P10** Molecular complexes showing switchable magnetic properties through redox stimulus Aristide Colin (*University Paris-Saclay, France*)
- P11 Off and on (and in between). Switching the optical properties of planar nickel(II) and zinc(II) N₂O₂
 platforms feedback of π-system tuning
 Florian Daumann (University of Bayreuth, Germany)
- P12 High-performance bis(hydrazone) dysprosium single-molecule magnets: the design of charge distribution symmetry and dipoles arrangement Wei Deng (*Sun Yat-Sen University, China*)
- **P13** Single molecule magnet feature in luminescent lanthanide coordination polymers with heptacoordinate Dy/Yb(III) ions as nodes Xiang-Tao Dong (*Nanjing Tech University, China*)

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- P14Angular magnetism calculations in a single-molecule magnetXiao-Fang Dong (Nankai University, China)
- P15Phase transition control in molecular solids via complementarity of hydrogen-bond strength
Shan-Nan Du (Sun Yat-Sen university, China)
- **P16** Remote H/F tuning of cooperativity in (*NN*'O)₂-coordinate iron(II) complexes: dynamic, hysteretic, and continuous spin crossover Andreas Dürrmann (*University of Bayreuth, Germany*)

P17 Synthesis and characterisation of the redox active polydioxothiadiazole salts with selected s-block metal cations

Dominik Dzierżek (Jagiellonian University, Poland)

P18Charge transfer in adducts of lanthanide 3,5-dinitrobenzoates with aminobenzene derivatives:
theory and practice

Nikolay N. Efimov (Kurnakov Institute of General and Inorganic Chemistry RAS, Russia)

- **P19** Single-molecule magnets with different multiple magnetic relaxations via solvent conversion Li-Xi Feng (*Nankai University, China*)
- **P20** Manipulating transverse crystal fields in dysprosocenium single-molecule magnets Gemma K. Gransbury (*The University of Manchester, UK*)
- **P21** Single-ion magnet behavior of Ln³⁺ encapsulated in carbon nanotube. An ab initio insight Xue-Feng Guo (*Northwestern Polytechnical University, China*)
- **P22** Regulating spin magnetic effect in NiCo_{2-x}Fe_xO₄ catalysis for improved electrocatalytic oxygen evolution activity

Lu-Lu Hao (Dalian University of Technology, China)

- **P23** Magnetic, luminescent, and dielectric responses to the humidity variation in polar manganese(II)-based molecular material Aleksander Hoffman (*Jagiellonian University, Poland*)
- P24 A monometallic dysprosium azafullerene single-molecule magnet with high-temperature magnetic blocking
 Zi-Qi Hu (University of Science and Technology of China, China)
- **P25** The excited state dynamics of photoresponsive lanthanide compounds Xin-Da Huang (*Shantou University, China*)
- P26Synthesis, structure, and field-induced single molecule magnet behavior of an iron
containing-polyoxometalate

Masooma Ibrahim (Karlsruhe Institute of Technology, Germany)

P27 Quantum spin coherence in a new vanadyl bis-β-diketonate complex with a challenging structureManuel Imperato (University of Modena and Reggio Emilia, Italy)



- **P28** Spin-lattice relaxation behavior of an S=1/2 monocopper-substituted Keggin-type silicotungstate Toshiharu Ishizaki (*Nihon University, Japan*)
- **P29** Thermally stable terbium(II) and dysprosium(II) bis-Amidinate single-molecule magnets Peng-Bo Jin (*Xi'an Jiaotong University, China*)
- **P30** Dysprosium (Dy³⁺) complexes composed of ESIPT capable ligand show Dy³⁺-based sensitized emission and single-molecule magnet (SMM) characteristics Zhao-Yang Jing (*Karlsruhe Institute of Technology, China*)
- **P31** Impact of the exchange interaction in single-electron bond in bimetallic endofullerene Yuri E. Kandrashkin (*FRC Kazan Scientific Center of RAS, Russia*)
- P32 Halide substituents effects on the supramolecular structure, spincrossover and single-ion magnetic behavior of the bicomponent [Mn^{III}(5-Hal-sal₂323)]₂[Re^{IV}Cl₆] complexes Anna V. Kazakova (Federal Research Center of Problems of Chemical Physics and Medicinal Chemistry RAS, Russia)
- **P33** Development of sub-terahertz absorption materials based on Fe(II)-Hg(II) coordination networks Guan-Ping Li (*University of Tokyo, Japan*)
- **P34** Room temperature single-molecule conductance switch via confined coordination-induced spin-state manipulation

Jing Li (Suzhou Institute of Nano-Tech and Nano-Bionics, China)

P35 Isolation and magnetic properties of atomically precise semiconductor clusters of dysprosium tellurides

Lei Li (Southern Unversity of Science and Technology, China)

- P36 Structural and magnetic modification of Dy^{III} single-molecule magnets constructed from pentadentate Schiff-base ligands Hong-Qing Li (*Nanjing University, China*)
- P37 Magnetic and photoluminescent responses of lanthanide complexes bearing nitrogen donor macrocyclic Schiff-base ligands

Pei-Yu Liao (Sun Yat-Sen University, China)

- P38 Constraining dysprosium(III) coordination sphere and its magnetic anisotropy by dicyanidoferrate(II) complexes Michal Liberka (Jagiellonian University, Poland)
- **P39** Synthesis, structures and magnetic properties of butterfly-shaped hexanuclear [Fe^{III}₄Ln^{III}₂] single-molecule magnets

Shu-Jing Liu (Wuhan Institute of Technology, China)

P40 Illuminating spin crossover: octanuclear metal-organic cages with coupled fluorescence and spin-state switchings Zhi-Kun Liu (*Beijing Institute of Technology, China*)

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P41	Anisotropic deuteration effects on a molecular ferroelectric
	Cheng-Dong Liu (Beijing Institute of Technology, China)
P42	Exploring the role of bridging pyrazine ligands in chromium-based one-dimensional
	coordination polymers
	Dan-Dan Lou (University of Bordeaux, France)
P43	Largely enhancing the blocking energy barrier and temperature of a linear cobalt(II) complex
	through the structural distortion: a theoretical exploration
	Fang Lu (Nanjing Normal University, China)
P44	Strong antiferromagnetic exchange-coupling observed in hydride-bridged dimeric dysprosium(III)
	single-molecule magnet
	Qian-Cheng Luo (Xi'an Jiaotong University, China)
P45	Enhancing the magnetic behaviors of Dy_2 complexes by modulating the crystal field environments
	with different μ -O bridging ligands
	Yue Ma (Nankai University, China)
P46	Modulation of the anthracene-based photodimerisation reaction by lanthanide doping and the
	effect on photomagnetic properties
	Xiu-Fang Ma (Nanjing University, China)
P47	Capture and release of ions and molecules in ion conducting crystal responding to
	the solution environment
	Jun Manabe (<i>Hiroshima university, Japan</i>)
P48	Optical and magnetic properties of two-dimensional coordination polymers
	Samuel Mañas-Valero (University of Valencia, Spain)
P49	Synthetic methods for affecting the magnetic properties of substituted malonate
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P50	T-jump spectroscopy under pulsed THz radiation: a universal way to measure T $_1$ of magnetically
	concentrated single-molecule magnets
	Anatoly Melnikov (International Tomography Center, Russia)
P51	Different magnetic behavior of trinuclear iron(II) and cobalt(II) coordination $\{L[M^{II}(HAL)_2]_3\}^{3-1}$
	complexes (HAL = Cl or I) of radical trianion hexacyanohexaazatriphenylenes (L)
	Maxim Mikhailenko (Federal Research Center of Problems of Chemical Physics and Medicinal
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P52	Observation of surface magnetization on magnetic thin films of chromium hexacyanochromate
	Shuntaro Nagashima (University of Tsukuba, Japan)
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	magnetic properties
	Dmitry Nazarov (Federal Research Center of Problems of Chemical Physics and Medicinal
	Chemistry RAS, Russia)
P55	Can we use Hammet constants to deduce a mechanism behind spin-state sabilisation?
	Igor Nikovskiy (A.N.Nesmeyanov Institute of Organoelement Compounds RAS, Russia)
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	Paweł Pakulski (Jagiellonian University, Poland)
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P58	Insight into dimensionality, phase transition, and dielectric behavior in hydrogen-bonded
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	Yin Qian (<i>Hiroshima University, Japan</i>)
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	Rajanikanta Rana (Indian Institute of Technology Bombay, India)
P61	Influence of diamagnetic metal (dm: mono-, di- and tri-cationic) ion on the magnetic character of
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	Thakur Rochak Kumar Rana (Indian Institute of Technology Bombay, India)
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	Nikita Romanenko (Federal Research Center of Problems of Chemical Physics and Medicinal
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P63	Deciphering the enigma of a temperature-dependent best-performance field in
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	Ze-Yu Ruan (Sun Yat-Sen University, China)
P64	Spin-exchange interaction in nitronyl nitroxide diradicals studied by X-band EPR spectroscopy
	Arkadii Samsonenko (International Tomography Center, Russia)
P65	Oxidation state of metal ion an "underrated player"
	Tanu Sharma (Indian Institute of Technology Bombay, India)
P66	Mono- and polynuclear complexes of 3d-metals based on 4,6-di-tert-butyl-1,2-benzoquinone-2-
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	Qian-Qian Su (<i>Nanjing University, China</i>)
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	Vijaya Thangaraj (Indian Institute of Technology Bombay, India)
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