

Poster Session

November 11 (wed.) Centennial Hall Foyer

Poster Session 16:20~18:20

P-01	ESR study of photoluminescent semiconductor GaAs:Er,O OF, Elmasry, M. Fujisawa, H. Katsuno, S. Okubo, H. Ohta, and Y. Fujiwara	Graduate School of Science, Kobe University, Molecular Photoscience Research Center, Kobe University, Division of Frontier Research and Technology, Kobe University, Graduate School of Engineering, Osaka University
P-02	Development of high-power gyrotron and its application to pulsed ESR at University of Fukui OYutaka FUJII, Seitaro MITSUDO, Takashi FURUYA, Yuichi SHIMOYAMA, Toshiyuki FUJITA, Tomotsugu NAKAGAWA, Yosuke OHHASHI, Takuya KATAYAMA, Yoshinori TATEMATSU, Isamu OGAWA, Toshitaka IDEHARA, Teruo SAITO	University of Fukui
P-03	Spin dynamics of quasi-one-dimensional antiferromagnet Cu ₂ Ci ₄ ·H ₈ C ₄ SO ₂ OMasashi Fujisawa, Kosuke Shiraki, Susumu Okubo, Hitoshi Ohta, Makoto Yoshida, Hidekazu Tanaka, and Tôru Sakai	Molecular Photoscience Research Center, Kobe University; The Graduate School of Science and Technology, Kobe University; Headquarters for Innovative Cooperation and Development, Kobe University; Institute for Solid State Physics, University of Tokyo; Department of Physics, Tokyo Institute of Technology; Japan Atomic Energy Agency, Spring-8
P-04	High-field multi-frequency ESR in the S=5/2 Kagomé-lattice antiferromagnet KFe ₃ (OH) ₆ (SO ₄) ₂ (K-Fe-jarosite) O T. Fujita, H. Yamaguchi, T. Kashiwagi, S. Kimura, M. Hagiwara, K. Matan, M. Tokunaga, D. G. Nocera, and Y. S. Lee	KYOKUGEN, Osaka Univ., Univ. Tsukuba, ISSP, Univ. Tokyo, MIT
P-05	Study on Oxovanadium(IV) Complexes Chelated with Dihalo-salen Ligands OKei Fujiwara, Takayuki Ishida	Department of Applied Physics and Chemistry, The University of Electro-communications
P-06	Photoluminescence measurement of Er,O-codoped GaAs under high magnetic field OH. Katsuno, H. Ohta, O. Portugall, N. Ubrig, M. Fujisawa, F. Elmasry, S. Okubo, and Y. Fujiwara	Division of Frontier Research and Technology, Kobe University, Molecular Photoscience Research Center, Kobe University, Graduate School of Science, Kobe University, LNCMP, Graduate School of Engineering, Osaka University
P-07	Magnetic properties of the novel delta chain compound Cu ₂ (AsO ₄)(OH)·3H ₂ O OH. Kikuchi, Y. Fujii, S. Mitsudo, T. Taniguchi, M. Azuma, Y. Shimakawa, A. Matsuo and K. Kindo	University of Fukui; FIR Center, University of Fukui, Osaka University, Kyoto University, ISSP, The University of Tokyo
P-08	High frequency ESR measurements of dicyano Fe-phthalocyanine conductor OMotoi Kimata, Hidetaka Satsukawa, Atsushi Harada, Taichi Terashima, Shinya Uji, Kanji Takehana, Yasutaka Inamaka, Tadashi Takamasu, Masaki Matsuda, Hiroyuki Tajima, Toshio Naito, Tamotsu Inabe	National Institute of Materials Science (NIMS); Kumamoto University; Institute for Solid state Physics, University of Tokyo; Hokkaido University
P-09	High field ESR measurements on chromium spinel compound HgCr ₂ O ₄ OShojiro Kimura, Masayuki Hagiwara, Hiroaki Ueda, Yutaka Ueda and Koichi Kindo	KYOKUGEN, Osaka University; ISSP, University of Tokyo
P-10	Low frequency ESR measurements of S=1/2 kagome lattice antiferromagnet Cu ₃ V ₂ O ₇ (OH) ₂ ·2H ₂ O OK. Kondo, M. Tomoo, W. Zhang, T. Sakurai, M. Fujisawa, S. Okubo, H. Ohta, K. Furukawa, T. Nakamura, M. Kimata, K. Takehana, Y. Imanaka, T. Takamasu, S. Uji, H. Yoshida, Y. Okamoto, Z. Hiroi	Graduate School of Science, Kobe University, Center for Supports to Research and Education Activities, Kobe University, Molecular Photoscience Research Center, Kobe University, Institute for Molecular Science, National Institute for Materials Science, Institute for Solid State Physics, University of Tokyo
P-11	High frequency ESR measurements of S = 1/2 diamond chain substance Cu ₃ (OH) ₂ (MoO ₄) ₂ ON. Matsumi, S. Hino, S. Okubo, M. Fujisawa, H. Ohta, H. Kikuchi	Graduate School of Science, Kobe University, Molecular Photoscience Research Center, Kobe University, Department of Applied Physics, University of Fukui
P-12	Multi-frequency ESR study of the spin frustration and the spin liquid state of kagome antiferromagnet OS. Okubo, W. Zhang, M. Tomoo, K. Kondo, M. Fujisawa, T. Sakurai, H. Ohta, K. Furukawa, T. Nakamura, M. Kimata, S. Uji, K. Takehana, Y. Imanaka, T. Takamasu, H. Kikuchi, Y. Okamoto, H. Yoshida, and Z. Hiroi	Molecular Photoscience Research Center, Kobe University; Graduate School of Science, Kobe University; Center for Supports to Research and Education Activities, Kobe University; Institute for Molecular Science; National Institute for Materials Science; Department of Applied Physics, University of Fukui; Institute for Solid State Physics, University of Tokyo
P-13	Control of the field-induced superconductivity by Electron Spin Resonance OYugo Oshima, Hiroyuki Nojiri, J.S. Brooks, Takahisa Tokumoto, Heng-bo Cui, Reizo Kato, Akiko Kobayashi, and Hayao Kobayashi	RIKEN, IMR Tohoku Univ., NHMFL-FSU, Nihon Univ.
P-14	Pressure calibration method for high pressure and high field ESR measurement OT. Sakurai, T. Horie, S. Okubo, H. Ohta, H. Tanaka and Y. Uwatoko	Kobe University; Tokyo Inst. Tech.; ISSP
P-15	ESR Study of Dinuclear Co Complex Showing LIESST Phenomena (II) OYoshio Teki, Mugenn Shirokosi, Shinji Kanegawa, and Osamu Sato	Osaka City Univ.; Kyushu Univ.
P-16	Study on magnetic structures of dinuclear Ln(III)/V(IV) and Ln(III)/Cu(II) complexes OWatanabe, Ryo; Okazawa, Atsushi; Fujiwara, Kei; Nogami, Takashi; Nojiri, Hiroyuki; Ishida, Takayuki	The University of Electro-Communications, Institute for Materials Research, Tohoku University

P-17	High-frequency ESR measurements of magnetically aligned sample of S=3/2 honeycomb lattice antiferromagnet Bi ₃ Mn ₄ O ₁₂ (NO ₃)	Graduate School of Science, Kobe University; Center for Supports to Research and Education Activities, Kobe University; Molecular Photoscience Research Center, Kobe University; Institute for Chemical Research, Kyoto University; Graduate School of Medicine and Engineering, University of Yamanashi
	○Y. Yu, W. Zhang, F. Elmasry, T. Sakurai, M. Fujisawa, S. Okubo, H. Ohta, O. Sumirnova, M. Azuma, and N. Kumada	
P-18	Submillimeter wave ESR measurements of Kagome lattice antiferromagnet BaCu ₃ V ₂ O ₈ (OH) ₂	Kobe Univ., ISSP Univ. of Tokyo
	○W. Zhang, S. Okubo, H. Ohta, M. Fujisawa, T. Sakurai, Y. Okamoto, H. Yoshida, Z. Hiroi	
P-19	Electron spin relaxation and electron dynamics in Lithium ammonia and ethylamine systems	Centre for Advanced ESR (CAESR), Inorganic Chemistry Laboratory
	○K.Maeda, M.Lodge, J.Harmer, M.O.Jones, P.P.Edwards	
P-20	Excited triplet state of fulleropyrrolidine	Faculty of Science, Shizuoka University
	○Yumi Yasui, Yasuhiro Kobori	
P-21	Substituent Effect on the Spin-Control in Tetradicals	Hiroshima University; Institute of Molecular Science; Josai University
	○Manabu Abe, Takeshi Nakamura, Satoshi Maeda, Ko Furukawa, and Tatsuhisa Kato	
P-22	Syntheses and Properties of Trioxotriangulene Neutral Radical Possessing Electron-Donating Groups	Graduate School of Science, Osaka University; Graduate School of Science, Osaka City University
	○ Kazuki Kariyazono, Akira Ueda, Tsuyoshi Murata, Shinsuke Nishida, Kazunobu Sato, Takeji Takui, Yasushi Morita	
P-23	ESR study on carboxymethyl cellulose radical	Quantum Beam Science Directorate, Japan Atomic Energy Agency; Graduate School of Engineering, The University of Tokyo
	○Seiichi SAIKI, Naotsugu NAGASAWA, Akihiro HIROKI, Norio MORISHITA, Masao TAMADA, Hisaaki KUDO and Yosuke KATSUMURA	
P-24	Spin dynamic study on an organic electroluminescent diode by pulsed method	Graduate School of Science, Shizuoka Univ.
	○#Zhebin Fu, Kenji Hirooka, Hisao Murai	
P-25	Orientation of Contact Radical Pair Generated by Triplet Precursor Photoreaction in Human Serum Albumin – Anthraquinone-1-Sulfonate Complex	Graduate School of Science, Shizuoka University
	○Masaaki Fuki, Hisao Murai and Yasuhiro Kobori	
P-26	Spin Switching of Metallofullerene Guest by Ring-closing Methathesis of Cyclodimeric Porphyrin Host	The University of Tokyo; University of Tsukuba, Institute for Molecular Science, Josai University
	○Fatin Hajjaj, Kentaro Tashiro, Hidefumi Nikawa, Takeshi Akasaka, Ko Furukawa, Tatsuhisa Kato, and Takuzo Aida	
P-27	Magnetic Field Effect on the photoinduced current of an Alq ₃ organic EL device	Shizuoka University
	○Kenji Hirooka, Asako Ishigaki, Sota Marumo, Hisao Murai	
P-28	Aggregation of Naphtho[1,2-d]oxazol-Type Dyes with TEMPO Radical Substituents Adsorbed on TiO ₂ Particles	Hiroshima University
	○Kenji KOMAGUCHI, Kohei KUSHIMOTO, Shogo INOUE, Yousuke OYAMA, Ichiro IMAE, Yutaka HARIMA	
P-29	Time resolved EPR study on photoinduced electron transfer of catalase-peroxydase in coexistence with photosensitizer	Graduate school of science, Shizuoka University
	○Masato Kuchikata, Hisao Murai, Katsuhiko Yoshimatsu, Taketomo Fujiwara and Yasuhiro Kobori	
P-30	High Frequency CW/pulse ESR Studies of Photosystem II in Single Crystals	Institute of Multidisciplinary Research for Advanced Materials, Tohoku University; Okayama University; Institute for Molecular Science; Agape-Kabutoyama Institute of Medicine
	○ Hideto Matsuoka, Jian-Ren Shen, Kei Nishiyama, Yasunori Ohba, Seigo Yamauchi, Ko Furukawa, Toshikazu Nakamura, and Asako Kawamori	
P-31	Spin Dynamics on Photoinduced Electron-Transfer Reactions in Rutheniumporphyrin-C ₆₀ Linked System	Graduate School of Engineering, Kyushu University; Faculty of Engineering, Kyushu University
	○Yuki Motoda, Hiroaki Yonemura, Sunao Yamada	
P-32	Photoinduced Charge-Separated States in Fullerene-Porphyrin Dyad Bridged by Diphenylmonosilane	Shizuoka University, Kyushu University, The University of Tokyo, RIKEN
	○Minami Suzuki, Yuki Shibano, Hayato Tsuji, Hisao Murai, Kohei Tamao, and Yasuhiro Kobori	
P-33	Magnetic Field Effects and Time-Resolved EPR Spectra of Photogenerated Biradicals of Zinc Porphyrin-Viologen Linked Compounds in Ionic Liquids	Graduate School of Engineering, Kyushu University; Faculty of Engineering, Kyushu University
	Hironobu, Tahara; Hiroaki, Yonemura; Satoko, Harada; Sunao, Yamada	
P-34	Photoexcitation Dependence of the Magnetoconductance in Self-assembled Hexabenzocoronene nanotube	Graduate School of Science and Technology, Niigata University; PRESTO JST; ERATO-SORST, JST; RIKEN; School of Engineering, and Center for NanoBio Integration, The University of Tokyo
	○Yusuke Wakikawa, Tadaaki Ikoma, Yohei Yamamoto, Takanori Fukushima and Takuzo Aida	
P-35	Magnetic Field Effects on the Decay Rates of Biradicals from Photoinduced Intramolecular Electron-Transfer Reactions in Phenothiazine-C ₆₀ Linked Compounds: Effect of Spacer Group	Department of Materials Physics and Chemistry, Graduate School of Engineering, Kyushu University; Department of Applied Chemistry, Faculty of Engineering, Kyushu University
	○Tetsuya Yamashita, Hiroaki Yonemura, Shinya Moribe, and Sunao Yamada	
P-36	Observation of the excited triplet state in the Iridium complex and the spin polarization transfer	Graduate School of Science, Shizuoka University
	○Shuhei Yoshioka, Kenji Hirooka, and Hisao Murai	
P-37	Sequential electron spin polarization transfer in photosynthetic reaction center of the plant photosystem II	Graduate school of Science, Shizuoka University; Graduate School of Nagoya University
	○Shusuke Katagiri, Yasuhiro Kobori, Toru Kondo, and Hiroyuki Mino	
P-38	Structural Analyses of Troponin Complexes by Double Quantum Coherence EPR	IMRAM, Tohoku Univ.; Kagawa Graduate School of Pharmaceutical Sciences, Tokushima Bunri Univ.; Graduate School of Science, Osaka Univ.
	○Jun Abe, Yasunori Ohba, Shoji Ueki, Toshiaki Arata, and Seigo Yamauchi	

P-39	Spin labeling of DNA by radical-containing nucleic acid recognition molecule OHiroshi Atsumi, Kensuke Maekawa, Diasuke Shiomi, Kazunobu Sato, Takeji Takui, and Kazuhiko Nakatani	The Institute of Scientific and Industrial Research, Osaka University; Osaka University Graduate School of Science, Osaka City University
P-40	The transition of S ₀ -state in Photosystem II at cryogenic temperature OMomoko Kuriyaki, Hiroyuki Mino	The University of Nagoya Graduate School of Science
P-41	Two-dimensional depiction of free radical scavenging abilities of biosubstances and its application to screen anti-oxidant components in ocean biomass OAKira Nakajima, Emiko Matsuda, Yukari Masuda, Yuto Ueda, Masayo Nagatomo	Faculty of Medicine, University of Miyazaki, Miyazaki Prefectural Fisheries Experimental Station
P-42	Evaluation of Antioxidants in Oxygenated Rats by using an <i>In Vivo</i> ESR Technique OK. Yamauchi, T. Ito, R. Ebina, T. Ogata, S. Ishida, S. Matsumoto, and N. Tsuchihashi	Graduate School of Science and Engineering Yamagata University; Networking and Computing Service Center, Yamagata University; Novo Nordisk Pharma Company; Fukushima Medical University; Yotsukura Hospital; Haryugaoka Hospital
P-43	Scavenging Effect of Heme Proteins in the Osteoblast Culture Cells on the Reactive Nitrogen Species OTomiko Mikuni, Masaharu Tatsuta, Tomoyuki Yamasaki, Atsumasa Uchida	Osaka Medical Center for Cancer and Cardiovascular Diseases, Clinical Laboratory, Dep. of Gastrointestinal Oncology, Mie University, Medical School, Dep. of Orthopedic Surgery
P-44	Imaging study of redox change <i>in vivo</i> in rats with indomethacin-induced gastric mucosal lesion using Overhauser-enhanced MRI OKeiji Yasukawa, Tomomi Kanbe, Ryota Shigemi, Takashi Yao, Masazumi Tsuneyoshi and Hideo Utsumi	Faculty of Pharmaceutical Sciences Kyushu University, Faculty of Medical Sciences Kyushu University
P-45	The study of ESR detection method for irradiated food contains sugar OHideyuki Hara, Takayuki Hironiwa, Toshiki Masumizu, Makoto Miyahara	Bruker Biospin K.K., Koga Isotope Ltd., Sojo Univ., NIHS
P-46	Time variations of cellulose radical in the detection of irradiated foods with storage OTakayuki Hironiwa, Tetsuo Yoshida, Masahito Okano, Hideyuki Hara, Toshiki Masumizu, Makoto Miyahara	Koga Isotope LTD, Nuclear Fuel Industries, LTD, JEOL Ltd., Bruker BioSpin K.K., Sojo University, National Institute of Health Sciences
P-47	Effect of the image reconstruction method on spectra line-width of EPR spectra for spectral-spatial EPR imaging OMasahiko Kamedaya, Hiroshi Hirata	Graduate school of Information Science and Technology, Hokkaido University
P-48	The evaluation of superoxide scavenging ability using potassium superoxide OR. Mishima, J. Sato, T. Ito, R. Sato, and T. Ogata	Graduate School of Science and Engineering, Yamagata University; Networking and Computing Service Center, Yamagata University
P-49	Characteristics of ESR signals of natural quartz from various rocks OAiko Shimada, Shin Toyoda, Masashi Takada	JEOL Ltd., Department of Applied Physics, Okayama University of Science, Department of Geography, Nara Women's University
P-50	Visualization of Nitroxyl Probes for Molecular Redox Imaging Using OMRI and Mass Spectrometry Imaging OFuminori Hyodo, Daisuke Miura, Yoshinori Fujimura, Keiji Yasukawa, Kiyoshi Sakai, Kazuhiro Ichikawa, Hiroyuki Wariishi, Hideo Utsumi	Innovation Center for Medical Redox Navigation, Kyushu University, Faculty of Pharmaceutical Sciences, Kyushu University, Faculty of Agriculture, Kyushu University
P-51	Feasibility study of reconstruction method with two kinds of free radical molecules OIto Ryohei, Fujii Hirotada, Hirata Hiroshi	Graduate School of Information Science and Technology Hokkaido University; Center for Medical Education, Sapporo Medical University
P-52	Investigation of Radical-Production Cross Section for Sucrose and L-Alanine Irradiated with Heavy Ions Kouichi Nakagawa and Kazunori Anzai	RI Research Center, Fukushima Medical University, National Institute of Radiological Sciences
P-53	Effect of impedance and applied voltage on the carbon radical in EDLC cell with ion liquid observed by in situ ESR spectroscopy OT. Sekine, T. Ito, M. Kobayashi, M. Yoshida, K. Tachibana, T. Nishina, and T. Ogata	Faculty of Engineering, Yamagata University; Networking and Computing Service Center, Yamagata University, Graduate School of Science and Engineering, Yamagata University
P-54	Development of a low-frequency amplifier suitable for magnetic field modulation at 10kHz and 90kHz OShuhei Bannae, Hiroshi Hirata	Graduate School of Information Science and Technology, Hokkaido University
P-55	Determination of Quantitative Spin Number OHideyuki HARA	Bruker Biospin K.K.
P-56	Sensitivity improvement of a 750-MHz CW-EPR instrument OHiroki Hayashi, Hiroshi Hirata	Graduate School of Information Science and Technology, Hokkaido University
P-57	High-frequency ESR measurement at 315 GHz using a microcantilever OShuya Hirano, Noriaki Mizuno, Eiji Ohmichi, and Hitoshi Ohta	Graduate School of Science, Kobe University; Molecular Photoscience Research Center, Kobe University
P-58	Overhauser enhanced MRI scanner for imaging <i>in vivo</i> redox status OKazuhiro Ichikawa, Tatsuya Naganuma and Hideo Utsumi	Graduate school of Pharmaceutical Sciences, Kyushu University
P-59	Development of MEMS fabrication technique for high-sensitive cantilever ESR OK. Konishi, E. Ohmichi, and H. Ohta	Graduate School of Science, Kobe University; Molecular Photoscience Research Center, Kobe University
P-60	Development of a continuously frequency-variable EPR resonator to elucidate the electronic structures of deoxy-hemoglobin OKenta Ninomiya, Haruhiko Yashiro, Hiroshi Hori, and Masayuki Hagiwara	KYOKUGEN, Osaka University, PRESTO, Japan Science and Technology Agency

P-61	Development of 300-MHz Alderman-Grant resonator for NMR/EPR imaging OTomoaki Sasaki, Masashi Ohfuchi, Hiroshi Hirata1	Graduate School of Information Science and Technology; Hokkaido University; Faculty of Engineering, Hokkaido University
P-62	Development of the low-eddy-current shield case for the LGR used in <i>in vivo</i> ESR with magnetic field gradient modulation OT. Shiroishi, T. Ito, and T. Ogata	Graduate School of Science and Engineering, Yamagata University; Networking and Computing Service Center, Yamagata University
P-63	Electromagnetic field simulation of Micro strip-line resonators for ESR Yuta Otake, Chihiro Yamanaka	Graduate School of Science, Osaka University
P-64	Fabrication of Twin ESR Resonator OHidekatsu YOKOYAMA	Department of Pharmaceutical Sciences, International University of Health and Welfare
P-65	Measurement of the Q Value for Strongly Over-coupled EPR Resonators OYasunori Ohba, Chika Watanabe, Shigeaki Nakazawa, and Seigo Yamauchi	Institute of Multidisciplinary Research for Advanced Materials (IMRAM), Tohoku University; TGraduate School of Science, Osaka City University
P-66	Research of P680+ of photosystem II reaction center by ESR OIto Naoki, Kondo Toru, Asada Yuki, and Mino Hiroyuki	Nagoya University
P-67	Difference in Pressure effects on the Trapping Rates of the Charged and Neutral Radicals OKazuki Kouzai, Yoshimi Sueishi, and Yashige Kotake	Graduate School of Natural Science and Technology, Okayama University; Oklahoma Medical Research Foundation
P-68	Kinetic study on the NO scavenging capacity of antioxidants by using EPR spin trapping OMasashi Hori, Yoshimi Sueishi, and Yashige Kotake	Graduate School of Natural Science and Technology, Okayama University; Oklahoma Medical Research Foundation
P-69	Photosensitized Degradation of Poly(L-lactic acid)/TiO ₂ Composite Wataru SAKAI, Masayo SONO, Hiroshi MORIKAWA, Naoto TSUTSUMI	Department of Macromolecular Science & Engineering, Kyoto Institute of Technology