

- PA 1 *AlN influence on the radiation damage of Ar and Xe implanted AlGaN*
Alves Eduardo, Dobeli Max, Faye Djibril, Magalhães Sérgio, Lorenz Katharina
- PA 2 *Defect interaction in ZnO investigated by sequential implantation of ions and subsequent annealing*
Azarov Alexander, Wendler Elke, Hallén Anders, Monakhov Edouard, Svensson Bengt
- PA 3 *Behavior of white pigments under ion irradiation*
Beck Lucile, Miro Sandrine, Misserque Frédéric
- PA 4* *Electron density changes in thin superconductive NbN films under low energy oxygen irradiation*
Dement'eva Maria, Prikhodko Kirill, Gurovich Boris, Kutuzov Leonid, Komarov Dmitry
- PA 5* *High-temperature annealing effects in carbon ion irradiated ?-KY(WO4)2*
Frentrop Raimond, Tormo-Marquez Victoria, Olivares José, García-Blanco Sonia
- PA 6 *Novel Experimental Investigations on Radiation-Enhanced Diffusion in Insulators*
Gardés Emmanuel, Balanzat Emmanuel, Chevalier Laurence, Cuvilly Fabien, David Adrian, Etienne Auriane, Grygiel Clara, Lebius Henning, Marie Delphine, Marquardt Katharina, Monnet Isabelle, Prellier Wilfrid, Radiguet Bertrand
- PA 7 *Zirconia ceramics processing by intense electron and ion beams*
Ghyngazov Sergei
- PA 8 *Stabilization of nitride phase upon Swift Heavy Ion irradiation of 100 MeV Au8+ ions in Si rich a-SiNx:H thin films*
Gupta Harsh, Bommali Ravi, Ghosh Santanu, Srivastava Pankaj
- PA 9* *Desorption kinetics of ultra thin NaCl films on Ag(001) upon electron irradiation*
Husseen Ala, Le Moal Séverine, Oughaddou Hamid, Dujardin Gérald, Mayne Andrew, Le Moal Eric
- PA 10* *Investigating radiation damage in inorganic 2D materials caused by accelerated helium ions*
Isherwood Liam, Casiraghi Cinzia, Baidak Aliaksandr
- PA 11 *Emission of the ferrocene molecules encapsulated in single-walled carbon nanotubes by X-ray irradiation*
Honda Atsuhashi, Murakami Toshiya, Itoh Chihiro
- PA 12 *Nanostructures formed in single-walled carbon nanotube by thermal annealing after X-ray irradiation*
Itoh Chihiro, Isozaki Satoshi, Matsuda Mitsuaki, Murakami Toshiya
- PA 13 *Mechanical properties of swift heavy ion irradiated Y3Al5O12 single crystal*
Izerrouken Mahmoud
- PA 14 *Structural and functional modifications of rubbers induced by ion irradiation*
Jagielski Jacek, Ostaszewska Urszula, Jozwik Iwona, Kosinska Anna, Romaniec Magdalena
- PA 15 *Proton irradiation induced radiation effects in dose gels*
Seperiene Neringa, Adliene Diana, Jaselske Evelina
- PA 16* *Free standing dose gels: first approach to ionizing radiation based 3D printing*
Jaselske Evelina, Adliene Diana
- PA 17 *Modification of silver-carbon nanocomposite film by SHI irradiation*
Karaseov Platon, Pukha Vladimir, Maleyev Maxim, Mishin Maxim, Shakhmin Alexander, Titov Andrei, Avasthi Devesh, Tripathi Ambuj
- PA 18 *Single and molecular ion-irradiation-induced effects in GaN*
Karaseov Platon, Titov Andrei, Konstantin Karabeshkin, Arkhipov Alexander, Yermolaeva Galina, Shilov Valerii, Kumar Ashish
- PA 19* *Dosimeter Properties of C Ions Doped Al2O3 Transparent Ceramic*
Kato Takumi, Okada Go, Kawaguchi Noriaki, Yanagida Takayuki

- PA 20 *Depth profiles of aggregate centers in LiF irradiated with swift heavy ions*
Kirilkin Nikita, Dauletbekova Alma, Skuratov Vladimir, Volkov Alexey, Baizhumanov Muratbek, Zdrovets Maxim
- PA 21 *Comparison of thermoluminescence properties of YAG:Ce after X-ray and UV irradiation*
Koshimizu Masanori, Yanagida Takayuki, Shinsho Kiyomitsu, Fujimoto Yutaka, Yagi Hideki, Yanagitani Takagimi, Asai Keisuke
- PA 22* *Scintillation and Dosimeter Properties of Ca²⁺-doped MgO Transparent Ceramics*
Kumamoto Narumi, Kato Takumi, Okada Go, Kawaguchi Noriaki, Yanagida Takayuki
- PA 23* *The effect of X-ray irradiation on the magnetic properties of ReBa₂Cu₃O_y (Re = Y, Nd, Gd)*
Kuroda Yuki, Koshimizu Masanori, Fujimoto Yutaka, Asai Keisuke
- PA 24 *Kinetics of dimer F2 - type center annealing in ionic solids*
Kuzovkov V. N., Kotomin E. A., Popov A. I.
- PA 25 *Insights into the radiation behavior of Ln₂TiO₅ (Ln = La-Y): based on defect energetics*
Li Yuhong, Liu Xiao, Yang Dongyan
- PA 26 *Microstructure damage to Silicon carbide fiber induced by 246 MeV Ar ions irradiation*
Liqing Zhang, Chonghong Zhang, Qing Huang, Zhaonan Ding, Tingxing Yan, Yitao Yang
- PA 27 *He ION IRRADIATION EFFECTS ON THE MICRO-STRUCTURE AND MECHANICAL PROPERTIES OF α -Al₂O₃ FILM PREPARED BY SAPS*
Liu Bo, Zou Jianxiong, Lin Liwei, Zhan Changyong, Yu Bai
- PA 28 *Tracks induced by high energy mono-atomic and cluster ions in fluorapatite*
Liu Jie, Duan Jinglai, Zhai Pengfei, Yao Huijun, Zeng Jian, Zhang Shengxia, Hu Peipei, Cao Dianliang, Chen Yonghui, Liu Wenqiang, Sun Youmei
- PA 29 *Damage evolution behavior in YAlO₃ crystal irradiated with low-energy and swift-heavy ions*
Liu Peng, Liu Y., Huang Q., Wang X.I.
- PA 30 *STRUCTURAL DEFECTS CAUSED BY SWIFT IONS IN FLUORITE SINGLE CRYSTALS*
Lushchik Aleksandr, Lushchik Cheslav, Shablonin Evgeni, Vasil'chenko Evgeni, Akilbekov Abdirash, Assylbayev Ruslan, Zdrovets Maksim
- PA 31 *Ion irradiation effects on WN_xO_y thin films*
Matsunami Noriaki, Okayasu Satoru, Sataka Masao, Tsuchiya Bun
- PA 32 *Electronic excitation effects on Fe₂O₃ films by high-energy ions*
Matsunami Noriaki, Okayasu Satoru, Sataka Masao
- PA 33 *Channeling study of defects accumulation in Er-implanted ZnO*
Mieszczyński Cyprian, Ratajczak Renata, Guziewicz Elzbieta, Turos Andrzej
- PA 34 *Swift heavy ion irradiation inducing climb of dislocations in AlN*
Monnet Isabelle, Sall Mamour, Moisy Florent, Mattei Jean-Gabriel, Grygiel Clara, Balanzat Emmanuel
- PA 35* *Analysis of electron and hole trap states in novel storage phosphors: Undoped, Eu-doped, and Ce-doped CsCaCl₃ ceramics*
Noda Sayaka, Saeki Keiichiro, Fujimoto Yutaka, Koshimizu Masanori, Okada Go, Yanagida Takayuki, Asai Keisuke
- PA 36 *Structural and optical properties of nano-porous GaSb prepared by swift heavy-ion irradiation*
Notthoff Christian, Mota-Santiago Pablo, Glover Chris, Kluth Patrick
- PA 37 *Radio-photoluminescence observed in MgF₂:Sm ceramics*
Okada Go, Nakamura Fumiya, Kawaguchi Noriaki, Yanagida Takayuki
- PA 38 *Influence of gamma-ray irradiation on mechanical property of YSZ for oxygen sensor in ADS*
Okubo Nariaki, Taguchi Tomitsugu

- PA 39* *Radiation-Induced Correlated Disorder and its Impact on Ionic Conductivity*
O'Quinn Eric, Shamblin Jacob, Neuefeind Joerg, Lang Maik
- PA 40 *Bi and Bi(2+x)Te(3-x) Nanowires Modified by 400 keV and 1 MeV Au ions*
Guerra Danieli, Müller Sven, Camargo Monique, Fichtner Paulo, **Papaleo Ricardo**
- PA 41 *Time-resolved spectroscopy of YAG and YAG:Ce phosphors under e-beam excitation*
Polisadova Elena, Vaganov Vitaliy, Valiev Damir, Han Tao, Zhang Congzhi, Oleshko Vladimir, Popov Anatoly
- PA 42 *Thermal annealing of F-type color centers in irradiated oxides: A critical analysis of experimental and theoretical results*
Popov A. I., Kuzovkov V., Lushchik A., Kotomin E
- PA 43 *Use of low energy ion beam irradiation to transform superconductive NbN thin film to metal or insulator*
Prikhodko Kirill, Gurovich Boris, Dement'eva Maria, Komarov Dmitry, Kutuzov Leonid
- PA 44 *Strain detection in crystalline GaN-based heterostructures using bidimensional blocking patterns of channeled particles*
Redondo-Cubero A., David-Bosne E., Wahl U., Miranda P., Da Silva M. R., Correia J. G., Lorenz K.
- PA 45* Structural modifications induced by swift heavy ions in γ -Al₂O₃ substrate
Ribet Alexis, Grygiel Clara, Monnet Isabelle
- PA 46 *Radiation effects in nitrogen and methane ?ices?*
Savchenko Elena, Khyzhniy Ivan, Uyutnov Sergei, Bludov Mikhail, Gumenchuk Galina, Bondybey Vladimir
- PA 47 *Local Order in Disordered and Amorphous Pyrochlore Oxides*
Shamblin Jacob, Tracy Cameron, O'quinn Eric, Neuefeind Joerg, Trautmann Christina, Ewing Rodney, Lang Maik
- PA 48 *Optical and Structural Modifications of Cu-C70 Nanocomposite Thin Film under 350 keV Ar Ion Irradiation*
Singhal Rahul, Sharma G.d, Karr J.p., Patra A., Kanjilal D., Chand S.
- PA 49 *Structural changes and defects evolution in Ti₃AlC₂ induced by 500 keV He-ions irradiation*
Sun Jianrong, Deng Tianyu, Song Peng, Wang Zhiguang
- PA 50 *Swift heavy ion irradiation modification in Fe-based amorphous alloys*
Sun Jianrong, Wang Yuyu, Tai Pengfei, Wang Zhiguang
- PA 51 *Ion irradiation-induced crystal structure changes in spinels: MgAl₂O₄, MgGa₂O₄, and MgIn₂O₄*
Tang Ming, Valdez James, Wang Yongqiang, Sickafus Kurt, Uberuaga Blas
- PA 52 *Swift Heavy Ion Irradiation induces enhancement in electrical conductivity of LiTaO₃ and LiNbO₃ crystals*
Egaña Alvaro, Tormo-Marquez Victoria, Muñoz-Santiuste Juan Enrique, Torrente Aurora, Olivares José, **Tardío Miguel**
- PA 53* *High energy heavy ion irradiations in LiTaO₃: damage characterization and optimization of optical waveguides*
Tormo Victoria, Díaz-Hijar Manuel, Jubera Mariano, Carrascosa Mercedes, Alikin D. O., Shur V., Olivares José
- PA 54 *Studying the annealing effect of swift heavy ion irradiation on Graphene oxide film*
Tyagi Chetna, Tripathi Ambuj, Avasthi Devesh
- PA 55 *Strain Induced modifications in Structural and Magnetic behaviour of NdMnO₃ thin films: 200 MeV Ag+15 Ion Irradiation Study*
Udeshi Malay, Vyas Brinda, Kundalia Hetal, Jethva Sadaf, Trivedi P, Asokan K, Singh Fouran, Choudhary R.j., Kuberkar D.g.

- PA 56 *Size effect in AlN/SiN multilayered films irradiated with helium and argon ions*
Uglov Vladimir, Kvasov Nikolai, Remnev Gennadiy, Shymanski Vitali, Korenevski Egor, Zlotski Sergei, Abadias Grégory, Van Vuuren Arno, O'connell Jacques, Skuratov Vladimir
- PA 57 *FORMATION OF NANOSIZED STRUCTURES ON THE SURFACE OF FILMS MgO AT BOMBARDMENT BY IONS LOW ENERGY*
Yusupdjanova Maxsuna, Djurabekova Flyura, Tashmukhamedova Dilnoza, **Umirzakov Baltokhodja**
- PA 58 *Electronic structure of nanoscale phases CoSi₂ and SiO₂ were formed in different depths of Si*
Umirzakov Baltokhodja, Ergashov Yokub, Djurabekova Flyura G.
- PA 59 *Near-surface thermal transport studies of swift heavy ion irradiated insulators by picosecond time-domain thermoreflectance*
Utegulov Zhandos, Alimzhanov Darkhan, Muminov Baurzhan, Abdullaev Azat, Yakupov Talgal, Koshkinbayeva A., Tuigynbek A., Nadinov Issatay, Skuratov Vladimir
- PA 60 *Swift heavy ion induced modifications of copper-fullerene nanocomposite thin film*
Vishnoi Ritu, Singhal Rahul, Sharma Pooja
- PA 61 *Carbon-ion irradiation effect on surface microstructure and optical properties in monolayer WSe₂*
Qiao Mei, Wang Tie-Jun, Song Hong-Lian, Zhang Jing, Liu Yong, Liu Peng, **Wang Xue-Lin**
- PA 62 *Raman monitoring of ion-beam synthesis of ZnSe and ZnSxSe_{1-x} nanocrystals in silicon dioxide films*
Parkhomenko Irina, Vlasukova Liudmila, Komarov Fadei, **Wendler Elke**, Milchanin Oleg, Makhavikou Maxim, Mudryi Alexander, Tanatbekov Sagi, Korolik Olga
- PA 63 *The stress evolution in silicon carbide during thermal annealing*
Yang Yitao, Chonghong Zhang
- PA 64* *Investigating the effects of ionizing radiation on quantum dots and possible applications in nanodosimetry*
Zanazzi Enrico, Ficarella Andrea, Pancheri Lucio, Dalla Betta Gian Franco, Quaranta Alberto
- PA 65 *Defect production and its impact on photoluminescence in GaN irradiated with energetic heavy ions*
Zhang Chonghong, Song Yin, Yang Yitao, Zhang Liqing
- PA 66 *Defect evolution and its effect on surface hardness in helium-implanted silicon carbide*
Zhang Chonghong, Yang Yitao, Song Yin
- PA 67 *Projectile fragment emission in the fragmentation of 20Ne on C, Al and CH₂ targets at 400 A MeV*
Zhang Donghai, Shi Rui, Kodaira Satoshi, Yasuda Nakashiro
- PA 68 *In-cascade Defect Production and Annealing in Silicon Carbide*
Zhang Yanwen, Xue Haizhou, Zarkadoula Eva, Sachan Ritesh, Crespillo Miguel, Liu Peng, Weber William
- PA 69 *Lattice damage effects of H ion irradiation on 4H-SiC crystal*
Zhao Jin-Hua, Qin Xi-Feng, Wang Feng-Xiang, Fu Gang
- PA 70 *NANO GRAPHITE CRYSTAL FORMED IN 4H-SiC*
Zhou Lihong, Chonghong Zhang
- PA 71 *Colossal enhancement in magnetic moment of ferrimagnetic NiCo₂O₄ via irradiation induced strain-doping*
Zhou Shengqiang, Pandey Parul, Bitla Yugandhar, Zschornak M., Grenzer J., Gemming S., Helm M., Chu Y.-H.

- PB 1 *Short ion-track formation and shape-elongation of nanoparticles induced by slow MeV-C60 cluster ion irradiation*
Amekura Hiroshi, Saitoh Yuichi, Chiba Atsuya, Hirano Yoshimi, Narumi Kazumasa, Tsuya Daijy, Okubo Nariaki, Ishikawa Norito
- PB 2 *Molecular Hydrogen Formation in the Alpha Radiolysis of the Ion Exchange Resins*
Zhou Baidak Aliaksandr, Boughattas Imene
- PB 3* *Damage characterization of displacement cascades in (U,Pu)O₂ fuels by MD simulations*
Balboa Hector E., Van Brutzel Laurent
- PB 4 *Noble gas implantation into SiC*
Barbot Jean-François, Jiang Chennan, Gilabert Eric, Pizzagalli Laurent, Debelle Aurelien, Thomé Lionel, Nicolaï Julien, Beaufort Marie-France, Declémey Alain, Christophe Tromas, Valérie Audurier
- PB 5 *New classical molecular dynamics force fields to simulate the structure and radiation effects in dry and hydrated SiO₂-Al₂O₃-CaO glasses*
Baroni Axelle, Delaye Jean-Marc
- PB 6 *Atomic scale insights on the microstructure evolution of urania under irradiation*
Chartier Alain, Onofri Claire, Van Brutzel Lauren, Sabathier Catherine, Dorosh Orest, Jagielski Jacek
- PB 7 *Luminescence of O-doped zinc tungstate crystals*
Lisitsyn Victor, Karipbayev Zhakyp, **Dauletbekova Alma**, Lisitsyna Ludmila, Tupitsyna Irina, Ivanov Igor, Kukenova Aizat
- PB 8 *Luminescence of MgF₂ ceramics activated by Wolfram*
Lisitsyn Victor, Karipbayev Zhakyp, **Dauletbekova Alma**, Lisittsyna Ludmila, Golkovskii Mikhail, Polisadova Elena, Musakhanov Dosymkhan, Akilbekov Abdirash, Kozlovskii Artem
- PB 9 *Zn and Sn based nanoprecipitates deposited in a-SiO₂/Si ion track templates*
Dauletbekova Alma, Alzhanova Aliya, Akilbekov Abdirash, Komarov Fadei, Vlasukova Ludmila, Murzagaliев Maksat, Zdrovets Maxim
- PB 10 *Luminescence of LiF crystals activated by uranium*
Lisitsyna Ludmila, Denisov Gennady, **Dauletbekova Alma**, Karipbayev Zhakyp, Marhabaeva Aiymgul, Vaganov Vitali, Lisitsyn Victor
- PB 11 *Gamma and electron radiation effects in some hydrates of cement phases*
Acher Loren, Haas Jeremy, Dannoux-Papin Adeline, Courtial Mireille, **De Noirfontaine Marie-Noëlle**, Gorse-Pomonti Dominique, Tusseau-Nenez, Dunstetter Frederic, Frizon Fabien
- PB 12 *The Online Raman System at M3 GSI with first research results*
Dedera Sebastian, Burchard Michael, Glasmacher Ulrich
- PB 13 *Domain formation during UO₂ irradiation*
Desgranges Lionel, Mohun Ritesh, Simon Patrick, Canizarès Aurélien, Baldinozzi Gianguido, Simeone David
- PB 14* *Synthesis of silver nanoparticles by femtosecond pulsed laser ablation: fabrication of embedded nanoparticle multilayers and colloidal solutions*
Díaz Núñez Pablo, Peña Rodríguez Ovidio, González-Izquierdo Jesús, González-Rubio Guillermo, Balabanian Gabriel, Guerrero-Martínez Andrés, Rivera Antonio, Olivares José, Perlado José Manuel, Bañares Luis
- PB 15* *Characterization of latent track structure in polymer films*
Ding Siyuan, Wang Pengfei, Wang Mao, Liu Feng, Wang Yugang
- PB 16 *Nuclear track membrane-based plasmonic hierarchical nanostructures for ultrasensitive SERS analysis*
Xu Chen, Zhou Yibo, Lyu Shuangbao, Yao Huijun, Mo Dan, Liu Jie, **Duan Jinglai**
- PB 17 *Electrical control of NV centers in diamond by means of ion-beam-micromachined sub-superficial graphitic micro-electrodes*

- PB 18 *Characterizations of alkaline-earth borate crystals for radiation dosimetry*
Fujimoto Yutaka, Yanagida Takayuki, Koshimizu Masanori, Asai Keisuke
- PB 19* *Thermal Behavior of Rare Gases in Implanted Uranium Dioxide*
Gerardin Marie, Gilabert Eric, Horlait Denis, Barthe Marie-France, Desgardin Pierre, Carlot Gaëlle, Sabathier Catherine
- PB 20 *UV-Laser stimulated Fluorescence-Spectrometry of Ion-irradiated condensed matter*
Glasmacher Ulrich, Burchard Michael, Dedera Sebastian
- PB 21 *A multiscale model of wet chemical etching of swift heavy ions tracks in olivine*
Gorbunov Sergey, Volkov Alexander, Rymzhanov Ruslan, Malakhov Alexander
- PB 22 *Morphology of un-etched and etched ion tracks in polymers studied by SAXS*
Hossain Umme-Habiba, Rodriguez Matias D, Schauries Daniel, Hadley Andrea, Schleberger Marika, Trautmann Christina, Kirby Nigel, Kluth Patrick
- PB 23 *Uptake of 226Ra Radiation by Micro- and Nanocomposites: Effect on Optical and Dielectric Properties*
Ivan Karbovnyk, Klym Halyna, Popov Anatoli
- PB 24 *Effect of metal nano-clusters produced by ion implantation and subsequent high energy heavy ion irradiation on optical properties of transparent oxides*
Iwase Akihiro, Fukuda Kengo, Hori Fuminobu, Saitoh Yuichi, Semboshi Satoshi
- PB 25 *Formation and characterization of the near-surface radiation color centers in lithium fluoride*
Voitovich Alexandr, **Kalinov Vladimir**, Novikov Alexei, Runets Leonid, Stupak Alexandr
- PB 26 *Kinetic Model of Color Center Formation in TiO₂ Film by femtosecond laser irradiation*
Kato Susumu, Sunahara Atsushi, Tsukamoto Masahiro
- PB 27 *Defect Related Optical Properties of Gamma Irradiated Chalcogenide Glasses*
Klym Halyna, Shpotyuk Oleh, Ingram Adam, Calvez Laurent, Popov Anatoli
- PB 28 *Structure and optical properties of SiO₂/Si with InAs nanoclusters irradiated with 167 MeV Xe ions*
Komarov Fadey, Milchanin Oleg, Parkhomenko Irina, Wendler Elke, Skuratov Vladimir, Vlasukova Ludmila, Makhavikou Maksim, Nechayev Nikita
- PB 29 *Ab Initio modeling of the Y, O solute interaction in iron matrix*
Kotomin Eugene, Mastrikov Yuri, Vladimirov Pavel, Borodin Vladimir, Koch Sascha, Gopejenko Alexei, Zhukovskii Yuri, Moslang Anton
- PB 30 *Ab initio simulations of interstitial oxygen migration in corundum crystals*
Kotomin Eugene, Platonenko Alexander, Gryaznov Denis, Zhukovskii Yuri
- PB 31* *Aluminosilicate glass structure and behavior under electrons and ions irradiations*
Le Gac Alexandre, Boizot Bruno, Charpentier Thibault, Jégou Christophe, Peugeot Sylvain
- PB 32 *Radiation modification and radiation hardness of microwave properties for some polymer nanocomposites under Co-60 gamma irradiation*
Lobko Alexander, Kazhuro Vitali, Valynets Nadezhda, Kuzhir Polina
- PB 33 *The preparation of Zn₂SnO₄ hollow nanostructures and its gas sensing properties*
Ma Shuyi, Yang Hengming, Xu Xiaoli
- PB 34 *Structural, electrophysical and optical properties of silicon dioxide with Zn nanoparticles: Effect of ion implantation and annealing*
Komarov Fadey, **Makhavikou Maksim**, Milchanin Oleg, Parkhomenko Irina, Vlasukova Ludmila, Wendler Elke, Czarnacka Karolina, Murzalinov Danatbek
- PB 35 *Raman and optical absorption studies of neutron-irradiated Gd₃Ga₅O₁₂ single crystals*
Mironova-Ulmane Nina, Sildos I., Vasil'chenko E., Chikvaidze G., Skvortsova V., Kareiva A., Pareja R., Elsts E., Popov A. I.

- PB 36* *Elongation of metallic nanoparticles at the interface of silica/silica, silica/silicon-nitride and silicon-nitride/silicon-nitride*
Mota-Santiago Pablo, Kremer Felipe, Notthoff Christian, Nadzri Allina, Ridgway Mark, Kluth Patrick
- PB 37* *Radiation induced luminescence properties of Eu-doped SrO-Al₂O₃ single crystals*
Nakauchi Daisuke, Okada G, Koshimizu Masanori, Kawaguchi Noriaki, Yanagida Takayuki
- PB 38* *Behavior under α auto-irradiation of a 241Am-doped glass ceramic*
Neuschwander Alexis
- PB 39* *Nonlinear optical properties of Au nanoparticles in ion-implanted Nd:YAG crystal*
Nie Weijie, Zhou Shengqiang, Chen Feng
- PB 40 *Effect of atom sizes in ionic compounds on ion channeling*
Nordlund Kai, Djurabekova Flyura, Hobler Gerhard
- PB 41 *Impact of the outer-cladding on the radiation resistance of standard germanosilicate multimode optical fibers*
Babu Babu Hari, **Ollier Nadège**, Lancry Matthieu, Poumellec Bertrand
- PB 42* *Thermal diffusion of Mo and Cs in UO₂: damage and chemical effects*
Panetier Clémentine, Pipon Yves, Gaillard Clotilde, Moncoffre, Mangin Denis, Ducher Roland, Dubourg Roland, Sarrasin Lola
- PB 43 *Surface morphology and porosity induced by swift heavy ions of low and high stopping power in PMMA thin films*
Esteves Christian, Thomaz Raquel, **Papaleo Ricardo**
- PB 44 *Study on defects in borosilicate glasses with irradiations of electron and gamma ray*
Peng Haibo, Sun Mengli, Liu Fengfei, Du Xin, Wang Tieshan
- PB 45 *Hybrid organic-inorganic perovskites modified with ion irradiation*
Plantevin Olivier, Deleporte Emmanuelle, Lédée Ferdinand, Garrot Damien, Jacques Vincent
- PB 46 *Comparative analysis and theoretical modeling of the annealing of EPR and optical absorption in neutron-irradiated MgO single crystal*
Popov A. I., Kärner T., Mironova-Ulmane N., Lushchik A, Kuzovkov V., Kotomin E
- PB 47 *White light luminescence from annealed thin ALD-ZnO films implanted with Dy ions*
Ratajczak Renata, Mieszcynski Cyprian, Guziewicz Elzbieta, Prucnal Slawomir, Stachowicz Marcin, Snigurenko Dmytro, Kopalko Krzysztof, Witkowski Bartłomiej, Krajewski Tomasz, Skorupa Wolfgang, Turos Andrzej
- PB 48* *Raman characterization of silica based optical fibers irradiated with heavy ions*
Reghioua Imène, Girard Sylvain, Alessi Antonino, Di Francesca Diego, Fanetti Mattia, Martin-Samos Layla, Richard Nicolas, Raine Melanie, Paillet Philippe, Gaillardin Marc, Boukenter Aziz, Ouerdane Youcef
- PB 49 *Using femtosecond laser pulses to control the assembly and welding of gold nanorods*
Peña Rodríguez Ovidio, González-Rubio Guillermo, González-Izquierdo Jesús, Bañares Luis, Tardajos Gloria, **Rivera Antonio**, Perlado José Manuel, Altantzis Thomas, Bals Sara, Guerrero-Martínez Andrés, Liz-Marzáñ Luis M
- PB 50 *Fabrication of Ion-Shaped Anisotropic Nanoparticles and their Orientational Imaging by Second-Harmonic Generation Microscopy*
Rizza Giancarlo, Slablab Abdallah, Coulon Pierre-Eugene, Kauranen Martti, Kociak Mathieu, Ulysse Christian
- PB 51 *Point defects and their optical properties in polyethylene chains*
Roma Guido, Martin-Samos Layla, Bruneval Fabien
- PB 52 *Excitation of electronic system of subsurface layers of TiO₂ and Al₂O₃ irradiated with swift heavy ions*
Rymzhanov Ruslan, Medvedev Nikita, Volkov Alexander

- PB 53 *Atomistic simulations of swift heavy ion tracks in Al₂O₃*
Rymzhanov Ruslan, Medvedev Nikita, Volkov Alexander
- PB 54 *Temperature dependent Raman and luminescence spectroscopy of self-irradiated U, Th-bearing natural zircon*
Shchapova Yuliya, Zamyatin Dmitrii, Votyakov Sergei, Chaikin Dmitrii, Weinstein Ilya, Nasdala Lutz
- PB 55 *Electronic excitation induced LSPR of Au nanoparticles in amorphous carbon matrix*
Singhal Rahul, Sharma Pooja, Vishnoi Ritu
- PB 56* *In Situ Measurement of Radiation Induced Polymerization Process Parameters Using Surface Plasmon Resonance Detector*
Urbonavicius Benas Gabrielis, Adliene Diana
- PB 57 *Velocity effect for creation of point defect halos of swift-heavy ion tracks in alkali-halides*
Volkov Alexander, Schwartz Kurt, Medvedev Nikita, Trautmann Christina
- PB 58* *Ab-initio modeling of lattice instability of Al₂O₃ after swift heavy ion impacts*
Voronkov Roman, Rymzhanov Ruslan, Volkov Alexander
- PB 59 *Effect of He+ ion implantation on Rb+-K+ exchange in KTiOPO₄ optical waveguide formation*
Cui Xiao-Jun, **Wang Liang-Ling**, Wang Jing, Chen Tao, Li Xin
- PB 60 *Strong optical activation of Eu+ ion implanted KTiOAsO₄ at room temperature*
Wang Liang-Ling, Röder Robert, Rensberg Jura, Cui Xiao-Jun, Wesch Wesch, Wendler Elke
- PB 61* *Sub-band-gap optical response in Au-implanted silicon*
Wang Mao, Liu Fang, Yuan Ye, Prucnal Slawomir, Berencén Yonder, Rebohle Lars, Skorupa Wolfgang, Helm Manfred, Zhou Shengqiang
- PB 62* *Hyperdoping silicon with tellurium for optoelectronics*
Wang Mao, Yuan Ye, Prucnal Slawomir, Berencén Yonder, Rebohle Lars, Skorupa Wolfgang, Helm Manfred, Zhou Shengqiang
- PB 63* *Surface-structure and photoluminescence properties of Ce:Lu₂SiO₅ crystals irradiated by carbon ions*
Wang Tie-Jun, Qiao Mei, Song Hong-Lian, Zhang Jing, Liu Yong, Liu Peng <pengliu, Wang Xue-Lin
- PB 64 *Atomic simulations of amorphization of quartz under ion irradiation*
Zhang Shuo, Nordlund Kai, Djurabekova Flyura, Pakarinen H., **Wang Tieshan**
- PB 65 *Highly Selective and Ultrafast Alkali Metal Ionic Transport through Polymer Films with latent tracks*
Wang Yugang, Wang Pengfei, Wang Mao, Liu Feng, Wen Qi, Yan Dongxiao, Ling Yun, Ding Siyuan, Kluth Patrick, Traumann Christina, Apel Pavel
- PB 66 *Effects of Ion Irradiation on Optical Property of Silicon Films*
Zhu Yabin, Cui Minghuan, Wang Zhiguang, Yao Cunfeng