**Project: 978-3-0364-0611-4**

* [978-3-0364-0611-4] PSD-24 The International Workshop on Positron Studies of Defects

**Editor Rating: B**

**Project comments:**

There are 27 papers that have successfully passed quality evaluation. Still, some of the papers require some additional information according to the comments in the papers’ table below.

All papers can be published as 2 volumes of Solid State Phenomena (SSP), one volume will include two chapters from Summer School Alfredo Dupasquier and another volume will include two chapters from PSD-24 Workshop

**Chapters:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Before checking** |  |  | **After checking** |
| **Old Pos** | **Old Name** | **Comment after checking** | **New Pos** | **New Name** |
| 1 | I. Summer School Alfredo Dupasquier - Techniques and Instrumental | Renamed | 1 | Chapter 1: Summer School Alfredo Dupasquier. Techniques and Instrumentation |
| 2 | II. Summer School Alfredo Dupasquier - Applications | Renamed | 2 | Chapter 2: Summer School Alfredo Dupasquier. Applications |
|  |  |  |  |  |
| 3 | III. PSD-24 Workshop - Techniques and Instrumental | Renamed | 3 | Chapter 1: PSD-24 Workshop. Techniques and Instrumentation |
| 4 | IV. PSD-24 Workshop - Applications | Renamed | 4 | Chapter 2: PSD-24 Workshop. Applications |

**Papers:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Paper Title** | **Topic** | **Chapter Name** | **Book** | **Author Warn** | **Code** | **Comments** | **Mark** |
| 1 | Preface and Committee | -1 | Temporary |  |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 2 | Positron Lifetime Spectroscopy to Study Defects in Solids | 1 | Chapter 1: Summer School Alfredo Dupasquier. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects | 2 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 3 | Coincidence Doppler Broadening to study the chemical environment at positron annihilation sites | 1 | Chapter 1: Summer School Alfredo Dupasquier. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects | 2 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 4 | Spin-Polarized Positron Annihilation Spectroscopy -Principles and Applications in Materials Study- | 1 | Chapter 1: Summer School Alfredo Dupasquier. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 5 | Low-Energy Positron Beams: Positron Sources, Moderation and Beam Setups | 1 | Chapter 1: Summer School Alfredo Dupasquier. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects | 3 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 6 | Low-Energy Positron Beams, New Developments | 1 | Chapter 1: Summer School Alfredo Dupasquier. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects | 2 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The email address is missing. |  | |  |
| 7 | Radiation Damage Studies by Positron Annihilation Spectroscopy | 2 | Chapter 2: Summer School Alfredo Dupasquier. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 8 | Positron Annihilation Spectroscopy Applied to Materials Science and Engineering | 2 | Chapter 2: Summer School Alfredo Dupasquier. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 9 | Defects in semiconductors. Charge states, shallow traps and annealing experiments | 2 | Chapter 2: Summer School Alfredo Dupasquier. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 10 | Positron and positronium atom in molecular liquids | 2 | Chapter 2: Summer School Alfredo Dupasquier. Applications | PSD-24 The International Workshop on Positron Studies of Defects | 2, 2, 1 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 11 | Hole and cusp formalism in electron-positron density functional theory | 2 | Chapter 2: Summer School Alfredo Dupasquier. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 12 | Quantum Monte Carlo in Positron Physics | 2 | Chapter 2: Summer School Alfredo Dupasquier. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 13 | Investigation of In-Flight Annihilation of Positrons using Coincidence Doppler Broadening Spectroscopy | 3 | Chapter 1: PSD-24 Workshop. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects | 3, 1 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 14 | Fundamental Experiments with Positronium Confined in Micro-Cavities and Emitted into the Vacuum with the New Bunched Positron Beam at the AntiMatter Lab of Trento | 3 | Chapter 1: PSD-24 Workshop. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 15 | Feasibility of a ’brightness booster’ for the intense slow positron source NEPOMUC | 3 | Chapter 1: PSD-24 Workshop. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects | 1, 2, 2, 2, 2 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The list of email addresses is incomplete. The corresponding author is not marked. |  | |  |
| 16 | Development of Slow Positron Beamline Using 30-MeV L-Band LINAC | 3 | Chapter 1: PSD-24 Workshop. Techniques and Instrumentation | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The list of email addresses is incomplete. |  | |  |
| 17 | Coincidence Doppler Broadening Spectroscopy of Multilayer Graphene on Copper Surface Using a Variable Energy Positron Beam | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The list of email addresses is incomplete. |  | |  |
| 18 | Applications of electron-positron correlation-polarization potential method to positron binding in glycine conformers | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The corresponding author is not marked. |  | |  |
| 19 | Positron Studies of Bismuth Donor Centers in Silicon: Effect of Irradiation with 15 MeV Protons | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects | 2, 1, 2, 1, 1, 1, 1 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 20 | Variability in FeB Pair Association Rates in Silicon under Ultrasound Loading: Effects of Acoustic Wave Types | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects | 2, 1 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The corresponding author is not marked. |  | |  |
| 21 | Positron Annihilation Lifetime Spectroscopy of Hot-Rolled and Subsequently T4-Treated AlCuMgAg | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects | 1, 3, 2, 1, 1 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The list of email addresses is incomplete. |  | |  |
| 22 | The S-phase formation in a high-purity Al-Cu-Mg alloy monitored by truncation during heating-up | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The corresponding author is not marked. |  | |  |
| 23 | Amorphous PbO Photoconductive Film Structure Revealed by Variable-Energy, Doppler-Broadened Positron Annihilation Spectroscopy | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The list of email addresses is incomplete. |  | |  |
| 24 | Phase Transition and Structural Defects in Complex Iron-Containing Oxide Glasses Probed by Positron Annihilation | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects | 1, 2, 1, 1, 1, 2, 1, 1, 1, 1 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The number of co-authors is large. |  | |  |
| 25 | Advances in Medical Imaging: Will Positron Annihilation Spectroscopy Be the Promise of Preventive Diagnostics | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects | 2, 1, 1, 1 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 26 | Melting front of ice: What do the positrons can say about it? | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects | 2, 2, 1, 1, 1 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| 27 | Ab inito Calculations of Positron Lifetimes in Diamond:The Bulk, Vacancies and Grain Boundary | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects | 2, 2, 1, 2, 1, 1, 2 |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  | The corresponding author is not marked. |  | |  |
| 28 | The Positron User Facility at the PULSTAR Nuclear Reactor Applications in Materials Studies and Recent Upgrades | 4 | Chapter 2: PSD-24 Workshop. Applications | PSD-24 The International Workshop on Positron Studies of Defects |  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |