

[W2M] Session M. Mossbauer and PAS	
Date / Time	December 7 (Wed.), 2022 / 15:20-17:20
Place	S301+S302 (3F)
Chairpersons	Prof. Sunghyun YOON (KNU) Dr. Jaehong KIM (IBS)

W2M_01

15:20-15:40

Mössbauer and Magnetic Properties of Graphene Oxide Coatings on Fe and FeCo Powders for High Frequency Applications

Sung Yong An^{1,2,3}

¹Seoul School of Integrated Sciences and Technologies, Republic of Korea, ²Franklin University Switzerland, Switzerland, ³Samsung Electro-Mechanics, Republic of Korea

W2M_02

15:40-16:00

Variable Temperature ⁵⁷Fe Mössbauer Studies of ⁵⁷FeN@Pt/C Catalyst

Hyunkyung Choi^{1,2}, **Young Rang Uhm**¹, **Jae Sung Baik**², **Hyunjoon Lee**³, **Eunjik Lee**³, **Gu-Gon Park**³, **Sung-Dae Yim**³, **Chul Sung Kim**²

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W2M_03

16:00-16:20

Positron Annihilation Lifetime Study of Defect in Silicon Carbide for Neutron Transmutation Doping

Jaegi Lee¹, **Junesic Park**¹, **Young-Su Jeong**^{1,2}, **Byung-Gun Park**¹, **Bo-Young Han**¹, **Gwang-Min Sun**¹

¹Korea Atomic Energy Research Institute, Republic of Korea, ²Daegu Catholic University, Republic of Korea

W2M_04

16:20-16:40

Understanding of Correlation between Gas Separation Properties and Free Volume Elements of Fluorinated Polyimide Membranes Aid by Positron Annihilation Lifetime Spectroscopy

Nam Gyu Im, Hyo Won Kim

Korea Institute of Energy Technology, Republic of Korea

W2M_05

[INVITED]

16:40-17:00

Pore Architecture and Flexibility of Zeolitic Imidazole Frameworks: Positron Annihilation Spectroscopic Studies

Sandeep Kumar Sharma^{1,2,3}

¹Bhabha Atomic Research Centre, India, ²Homi Bhabha National Institute, India, ³Seoul National University, Republic of Korea

W2M_06

17:00-17:20

Effect of Rolling Temperature on Advanced Reduced-Activation Alloy (ARAA) Using Positron Annihilation Spectroscopy (PAS)

Young Su Jeong^{1,2}, **Jaegi Lee**², **Young-Bum Chun**², **Young-Rang Uhm**², **Gwang-Min Sun**², **Yongmin Kim**¹

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