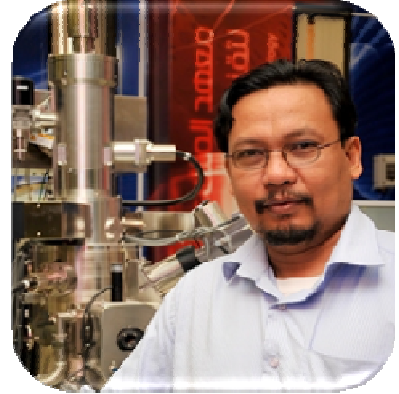


Curriculum Vitae of

DR. JOSELITO P. LABIS



I. PERSONAL

Full Name: *Joselito Puzon Labis*

Nationality: *Filipino (Philippines)*

Age: *50*

Birthdate: *Apr. 18, 1967*

Birthplace: *Malita, Davao Occidental, Philippines*

Permanent Address: *11-Capricorn St. GSIS Heights, Matina, Davao City, Philippines*

Present Address: *Olaya al-masraah District, Riyadh, Saudi Arabia*

Marital Status: *Married*

E-mails: *jlabis@ksu.edu.sa, jlabis@hotmail.com, joselitolabis@yahoo.com*

Mobile Phone: *+966-500184785*

Office Phone: *+966-1-4677964*

II. EDUCATION AND QUALIFICATIONS

(i) Post-doctorate Research Fellowship, Department of Physics, Tamkang University, Tamsui, TAIWAN (2008-2009)

(Research Areas: XAFS on perovskite manganites and ZnO nanomaterials, Taiwan Light Source (TLS), National Synchrotron Radiation Research Center, Hsinchu City, Taiwan)

(ii) Post-doctorate Research Fellowship, Hiroshima Synchrotron Radiation Center (HiSOR), Hiroshima University, Hiroshima, JAPAN (2002-2004)

(Research Areas: PES and PEEM of oxynitridated of SiC and TM/SiC systems and beamline design and simulation)

(iii) Ph.D. Science (Materials Science), Division of Quantum Materials Physics, Okayama University, Okayama, JAPAN, (2002)

(Ph.D. Dissertation: "Soft X-ray emission study of Ti(film)/SiC(substrate) and photoemission electron imaging of transition metal (Ti, Ni) films on SiC and Si")

(iv) M. S. Physics (Plasma Physics), University of the Philippines, Diliman, Philippines (1996)

(Master's Thesis: "Formation of TiN of metal substrates using the magnetized sheet plasma")

(v) B.S. Physics (cum laude/with honors), Mindanao State University, Marawi City, Philippines (1988)

III. SCHOLARSHIPS

a.) PhD Scholarship

Japan- Ministry of Education Scholarship (MONBUKAGAKOSHU) 1998-2002

b.) MS Scholarship

Philippine-Department of Science and Technology - Engineering and Science

Education Program (DOST-ESEP) 1993-1996

c.) BS Scholarship

MSU-Main Full University Scholarship, 1984-89

IV. SKILLS

(Surface science)

High Resolution Transmission Electron Microscopy (HR-TEM)

X-ray absorption spectroscopy (XAS)

Soft X-ray emission spectroscopy (SXES)/Soft X-ray fluorescence spectroscopy (SXFS)

Photoemission spectroscopy (PES)

Photoemission electron microscopy (PEEM)

X-ray photoemission spectroscopy (XPS)

Low energy electron diffraction (LEED)

Auger electron spectroscopy (AES)

Scanning electron microscopy (SEM)

X-ray diffractometry (XRD)

Energy dispersive X-ray spectroscopy (EDX), Raman spectroscopy

(Plasma physics and UHV systems)

Physical vapor deposition (PVD)

Chemical vapor deposition (CVD)

Plasma diagnostics

Pulsed laser deposition (PLD)

Ultra-high-vacuum (UHV) systems

(Synchrotron Beamline) Beamline designs, simulations, and operations

V. AWARD:

1. 2014 KACST-ALMARAI PRIZE FOR SCIENTIFIC INNOVATION (Creative Work Category-14th Edition).

Awarded Article: Simple and facile synthesis of amino functionalized hollow core–mesoporous shell silica spheres using anionic surfactant for Pb(II), Cd(II), and Zn(II) adsorption and recovery

Ahmed Mohamed El-Toni, Mohamed A. Habila, Mohamed Abbas Ibrahim, **Joselito Puzon Labis**, Zeid A. Allothman, Chemical Engineering Journal, Volume 251, 1 September 2014, Pages 441–451, (IF: 4.181)

VI. International Journal Reviewer/Referee:

1. **Applied Nanoscience**, ISSN: 2190-5517, Springer Publication (2017 Impact Factor: 3.325)
2. **Materials Letters**, ISSN: 0167-577X, Elsevier Publication (2017 Impact Factor: 2.572)
3. **Journal of Alloys and Compounds**, ISSN: 0925-8388) Elsevier Publication, (2017 Impact Factor: 3.133)

VII. PROJECTS

1.) "Design and characterization of nanocomposites multiferroic materials for new generation Read Access Memories (RAMs) devices"

PI: Dr. Khalid Mujasam Batoo, Co-I: Dr. Joselito Labis

Budget: ~1.6 M SAR/427,000USD, Fund Source: KSU-NPST #10-NAN1200-02 (2011- 2013)

Status: Successfully completed

2.) "Interface magnetization and structure in magnetic oxide nanocomposites"

PI: Dr. Khalid Mujasam Batoo, Co-I(s): Dr. Joselito Labis,

Budget: ~1.3M SAR/347,000USD, Fund Source: KSU-NPST #10-NAN1999-02 (2012-2014)

Status: On-going

3.) "Cathodoluminescence Study of ZnO Nanowires for Dye-sensitized Solar Cell Applications",

PI: Dr. Mohammad Alduraibi, Department of Physics, KSU, Co-I: Dr. Joselito Labis

Budget:~1.9 M SAR/500,000USD, Fund Source: KSU-NPST # 12-ENE2829-02 (2015-2017)

Status: On-going

4.) "Synthesis of multifunctional magnetic core-TiO₂ / meso-SiO₂ double shell for simultaneous heavy metal removal and organic pollutants decomposition",

PI: Dr. Ahmed El-Toni, Co-I: Dr. Joselito Labis

Budget: ~1.7M SAR/453,000USD, Fund Source: KSU-NPST# 14-WAT169-02

Status: Approved/To be implemented

5.) "Nanomaterials synthesis and characterization",

PI: Dr. Ahmad El-toni, Co-I(s): Dr. Talal Ghannam, and Dr. Joselito Puzon Labis

Budget: 150,000 SAR/40,000USD, Fund Source: KSU-Deanship of Scientific Research RG#1435-002 (2014- 2015)

Status: On-going

VIII. INTERNATIONAL PEER-REVIEWED PUBLICATIONS

2017

53.) SrZnO nanostructures grown on templated Al₂O₃ substrates by pulsed laser deposition

Joselito P. Labis, Anwar Q. Alanazi, Hamad A. Albrithen, Ahmed Mohamed El-Toni, Mahmoud Hezam, Hussein Elsayed Elafifi, and Osama M. Abaza, **AIP Advances** **7**, 095220 (2017), American Institute of Physics; doi: 10.1063/1.4996812, (2016 IF:1.568/Q3/Q3/Q3)

52.) Carbon-coated Fe₃O₄ nanoparticles with surface amido groups for magnetic solid phase extraction of Cr(III), Co(II), Cd(II), Zn(II) and Pb(II) prior to their quantitation by ICP-MS

Mohamed A. Habila, Zeid A. Althman, Ahmed Mohamed El-Toni, Saad A. Al-Tamrah, Mustafa Soylak,

Joselito Puzon Labis, **Microchimica Acta** (2016 IF:4.58/Q1), pp 1–7, doi:10.1007/s00604-017-2283-3

51.) In-vitro cytotoxicity and cellular uptake studies of luminescent functionalized core-shell nanospheres

Anees A. Ansari^a, T.N. Hasan^b, N.A. Syed^b, ***J.P. Labis***^a, Ali A. Alshatwi^b, **Saudi Journal of Biological Sciences** Volume 24, Issue 6, September 2017, Pages 1392-1403 (2016 IF: 2.564/Q2)

50.) Impact of surface coating on physical properties of europium-doped gadolinium fluoride microspheres

Anees A. Ansari^a, Ali K. Aldalbahi^a, ***Joselito P. Labis***^a, M. Aslam Manthrammel^b, **Journal of Fluorine Chemistry**, Volume 199, July 2017, Pages 7–13, <https://doi.org/10.1016/j.jfluchem.2017.03.015> (2016 IF:2.101/Q2/Q3)

49.) Synthesis and comparative catalytic study of zinc oxide (ZnO_x) nanoparticles promoted MnCO₃, MnO₂ and Mn₂O₃ for selective oxidation of benzylic alcohols using molecular oxygen

Adil, Syed F.; Assal, Mohamed E.; Kuniyil, Mufsir; Khan, Mujeeb; Shaik, Mohammed Rafi; Alwarthan, Abdulrahman; ***Labis, Joselito P.***; Siddiqui, Mohammed Rafiq H., **Materials Express**, Volume 7, Number 2, April 2017, pp. 79-92(14), American Scientific Publishers, DOI: <https://doi.org/10.1166/mex.2017.1357> (2016 IF: 2.062/Q2/Q3)

48.) Designing of luminescent GdPO₄:Eu@LaPO₄@SiO₂ core/shell nanorods: Synthesis, structural and luminescence properties

Anees A. Ansari, ***Joselito P. Labis***, M. Aslam Manthrammel, **Solid State Sciences**, Volume 71, September 2017, Pages 117–122 (2016 IF: 1.811/Q2/Q3)

47.) Comparative catalytic evaluation of nano ZrO_x promoted manganese catalysts: kinetic study and the effect of dopant on the aerobic oxidation of secondary alcohol

Mohammad E. Assal, Mufsir Kuniyil, Mujeeb Khan, Mohammed Rafi Shaik, Abdulrahman Alwarthan, M. Rafiq H. Siddiqui, ***Joselito Labis*** and Syed Farooq Adil, **Advances in Materials Science and Engineering**, Volume 2017 (2017), Article ID 3958319, 14 pages, <https://doi.org/10.1155/2017/3958319> (2016 IF: 1.299/Q3)

46.) Preparation and Spectroscopic, Microscopic, Thermogravimetric, and Electrochemical Characterization of Silver Doped Cerium(IV) Oxide Nanoparticles

A. A. Ansari, J. P. Labis, M. Alam, N. Ahmed, S. M. Ramay, and A. Mahmood, **Analytical Letters**, Taylor and Francis, Vol. 50, Issue 8 (2017) pp. 1360-1371 (2016 IF:1.150/Q3)

45.) Structural Transition in SrZnO Laser Pulse Deposited Alloy

H. A. Albrithen, / M. Elnaggar / K. Ozga / M. Szota / Z. A. Alahmed / A. Q. Alanazi / H. Alshaharani / E. Alfaifi / M. A. Djouadi / **J. P. Labis**

Archives of Metallurgy and Materials, The Journal of Institute of Metallurgy and Materials Science and Committee on Metallurgy of Polish Academy of Sciences, Volume 62, Issue 1 (Mar 2017), Published Online: 2017-04-06 | DOI: <https://doi.org/10.1515/amm-2017-0030> (2016 IF: 0.571/Q3)

44.) Benzyl Alcohol Assisted Synthesis and Characterization of Highly Reduced Graphene Oxide (HRG)@ZrO₂Nanocomposites

Mohammed R. Shaik, Abdulhadi H. Al-Marri, Syed F. Adil, Nils Mohri, Bastian Barton, Mohammed R. H. Siddiqui, Abdulrahman Al-Warthan, **Joselito P. Labis**, Wolfgang Tremel, Mujeeb Khan, Muhammad N. Tahir **Chemistry Select**, Q4/First published: 3 April 2017, DOI: 10.1002/slct.201601962

2016

43.) Design, synthesis and applications of core-shell, hollow core, and nanorattle multifunctional nanostructures/Ahmed Mohamed El-Toni, Mohamed A. Habila, **Joselito Puzon Labis**, Zeid A. Allothman, Mansour Alhoshan, Ahmed A. Elzatahry and Fan Zhang, **Nanoscale**, RSC, 8 (2016), 2510-2531/ DOI: 10.1039/C5NR07004J (IF:7.76)

42.) Mercaptobenzothiazole-functionalized magnetic carbon nanospheres of type Fe₃O₄@SiO₂@C for the preconcentration of nickel, copper and lead prior to their determination by ICP-MS/ Mohamed A. Habila, Zeid A. Allothman, Ahmed Mohamed El-Toni, **Joselito Puzon Labis**, Xiaomin Li, Fan Zhang, Mustafa Soylak, **Microchimica Acta**/pp 1-8/10.1007/s00604-016-1880-x, (IF: 4.831)

41.) Laser induced photocurrent and photovoltage transient measurements of dye-sensitized solar cells based on TiO₂nanosheets and TiO₂ nanoparticles/Hamid M. Ghaithan^a, Saif M.H. Qaid^a, Mahmoud Hezam^{b, c}, **Joselito P. Labis**^{b, d}, Mohammad Alduraibi^{a, e}, Idriess M. Bedja^f, Abdullah S. Aldwayyan^a **Electrochimica Acta**, 212, Pages 992–997, (IF:4.803)

40.) Synthesis and application of Fe₃O₄@SiO₂@TiO₂ for photocatalytic decomposition of organic matrix simultaneously with magnetic solid phase extraction of heavy metals prior to ICP-MS analysis/Mohamed A. Habila^a, Zeid A. AlOthman^a, Ahmed Mohamed El-Toni^{b, c}, **Joselito Puzon Labis**^b, Mustafa Soylak^d **Talanta**, Volume 154, 1 July 2016, Pages 539–547 doi:10.1016/j.talanta.2016.03.081 (IF: 4.035)

39.) Giant increase of optical transparency for Zn-rich Ca_xZn_{1-x}O on Al₂O₃ (0 0 0 1) grown by pulsed laser deposition/H.A. Albrithen, A.M. El-Naggar, K. Ozga, H. Alshahrani, A. Alanazi, E. Alfaifi, **J. Labis**, A. Alyamani, A. Albadri, M.H. Alkahtani, Z.A. Alahmed, J. Jedryka, A.O. Fedorchuk/Optical Materials, Volume 52, February 2016, Pages 1–5, (IF:2.183)

38.) Influence of copper ion doping on structural, optical and redox properties of CeO₂ nanoparticles/Anees A. Ansari, **J. Labis**, M. Alam, Shahid M. Ramay, N. Ahmad, Asif Mahmood/J Electroceram (IF:1.263) DOI 10.1007/s10832-016-0018-1

37.) Synthesis, Structural and Optical Properties of Mn-Doped Ceria Nanoparticles: A Promising Catalytic Material /Anees A. Ansari, **Joselito P. Labis**, Manawwer Alam, Shahid M. Ramay, Naushad Ahmad, Asif Mahmood/Acta Metall. Sin. (Engl. Lett.) DOI 10.1007/s40195-016-0387-0 (IF:1.188)

36.) Effect of cobalt doping on structural, optical and redox properties cerium oxide nanoparticles/A.A. Ansari, J. Labis, et. al., Phase Transitions, Taylor and Francis,89,3 (2016) 261-272 (IF:0.858)

2015

35.) Pulsed laser deposition of 3D ZnO nanowall networks in nest-like structures by a two-step approach **Joselito P. Labis**, Mahmoud Hezam, Anwar Al-Anazi, Hamad Al-Brithen, Anees A. Ansari, Ahmad El-Toni, Ronaldo Enriquez, Gwenole Jacopin, and Mansour Al-Hoshan/ Solar Cell Energy Materials and Solar Cells. Elsevier, 143 (2015) 539-545 (2014 IF:5.337/Q1/Q1/Q1)

34.) Ceria Doped Mixed Metal Oxide Nanoparticles as Oxidation Catalysts: Synthesis and their Characterization/S.S.P. Sultana, D.H.V. Kishore, Mufsir Kuniyil, Mujeeb Khan, Abdulrahman Alwarthan, K.R.S. Prasad, **Joselito P. Labis**, S.F. Adil /**Arabian Journal of Chemistry**, 8 (2015) 766-770 (IF: 3.725)

33.) Pulicaria Glutinosa Extract: A Toolbox to Synthesize Highly Reduced Graphene Oxide-Silver Nanocomposites for Efficient Surface-Enhanced Raman Scattering/Abdulhadi H. Al-Marri, Mujeeb Khan,

Merajuddin Khan, Syed Farooq Adil, Abdulrahman Al-warthan, Hamad Z. Alkathlan, Wolfgang Tremel, **Joselito Puzon Labis**, M. Rafiq H. Siddiqui *, Muhammad N. Tahir /*Int. J. Mol. Sci.* **2015**, *16*(1), 1131-1142; doi:10.3390/ijms16011131 (IF: 2.862)

32.) Physicochemical and redox characteristics of Fe ion-doped CeO₂ nanoparticles/A. A. Ansari, J. Labis, M. Alam, S. M. Ramay, N. Ahmad, and Asif Mahmood/ Journal of Chinese Chemical Society, Wiley, 62(2015) 925-932 (IF: 0.856)

2014

31.) Simple and facile synthesis of amino functionalized hollow core–mesoporous shell silica spheres using anionic surfactant for Pb(II), Cd(II), and Zn(II) adsorption and recovery/Ahmed Mohamed El-Toni, Mohamed A. Habila, Mohamed Abbas Ibrahim, Joselito Puzon Labis, Zeid A. Althman/Chemical Engineering Journal, Volume 251, 1 September 2014, Pages 441–451, (IF: 4.181)

30.) Synthesis and characterization of ZnO nanoparticles by thermal decomposition of a curcumin zinc complex/Mutasim I. Khalil, Maha M. Al-Qunaibita, Aisha M. Al-zahema, Joselito P. Labis/Arabian Journal of Chemistry 7(2014) 1178-1184 <http://www.sciencedirect.com/science/article/pii/S1878535213003651> (IF: 2.864)

29.) Influence of Surface Coating on Structural and Photoluminescent Properties of CaMoO₄:Pr Nanoparticles/Ansari AA, Parchur AK, Alam M, Labis J, Azzeer A, /Journal of Fluorescence 24 (2014) pp 1253-1262 (IF: 1.667)

28.) Comparative Study on Electronic, Emission, Spontaneous property of Porous Silicon in different Solvents/ Muhammad Naziruddin Khan, M. A. Majeed Khan, Abdullah S. Aldwayyan, and J. Puzon Labis/ Journal of Nanomaterials (2014), Published October 25 May 2014/ <http://www.hindawi.com/journals/jnm/aip/682571/>.(IF: 1.611)

2013

27.) In-vitro cyto-toxicity, geno-toxicity and bio-imaging evaluation of one-pot synthesized luminescent functionalized mesoporous SiO₂@Eu(OH)₃ core-shell microspheres /Anees A. Ansari, Tarique N. Hasan, Naveed A. Syed, Joselito P. Labis, A.K. Parchur, Gowhar Shafi, Ali A. Alshatwi, Nanomedicine: Nanotechnology, Biology and Medicine, Volume 9, Issue 8, November 2013, Pages 1328–1335 (IF: 6.93)

26.) Enhanced Oxygen Reduction Activity of IrCu Core Platinum Monolayer Shell Nano-electrocatalysts/ YongMan Choi · Kurian A. Kuttiyiel · Joselito P. Labis · Kotaro Sasaki · Gu-Gon Park · Tae-Hyun Yang · Radoslav R. Adzic/Topics in Catalysis, 56 (2013) 1059-1064 (IF: 2.624)

25.) Facile synthesis of water-soluble luminescent mesoporous Tb(OH)₃@SiO₂ core-shell nanospheres/ Anees A Ansari*, Joselito Labis, Abdullah S Aldwayyan and Mahmoud Hezam, /Nanoscale Research Letters 2013, 8:163 (IF: 2.726)

24.) Optimization of Synthesis Parameters for Mesoporous Shell Formation on Magnetic Nanocores and Their Application as Nanocarriers for Docetaxel Cancer Drug/Ahmed Mohamed El-Toni, Mohamed Abbas Ibrahim, Joselito Puzon Labis, Aslam Khan and Mansour Alhoshan *Int. J. Mol. Sci.* **2013, *14*(6), 11496-11509; doi:10.3390/ijms140611496 (IF:2.598)**

23.) Room temperature multiferroic properties of Nd doped Ba_{4-x}FeTi₃O₁₂ nanoparticles/ Khalid Mujasam Batoo, Mahavir Singh, Ritu Rani, Joselito P. Labis, /Journal of Alloys and Compounds 564 (2013) 162-165 (IF:2.289)

22.) Comparing Pt/SrTiO₃ to Rh/SrTiO₃ for hydrogen photocatalytic production from ethanol/A. K. Wahab, T. Odedairo, J. Labis, M. Hedhili, A. Delavar, and H. Idriss/Applied Petrochemical Research (SpringerOpen), 3(2013) 83-89 <http://link.springer.com/article/10.1007%2Fs13203-013-0033-y>

2012

- 21.) **One-pot synthesis and photoluminescence properties of luminescent functionalized mesoporous SiO₂@Tb(OH)₃ core-shell nanospheres**/Anees Ahmad Ansari and Joselito Labis, /*J. Mater. Chem.*, 22(32),p. 16649, Jan. 2012, (2012 IF: 5.968)
- 20.) **Synthesis of water-soluble luminescent LaVO₄:Ln³⁺ porous nanoparticles**/Anees A. Ansari, Joselito P. Labis, Salman A. H. Alrokayan, /*Journal of Nanoparticle Research*, 14(8), Aug. 2012. (IF: 3.287)
- 19.) **Synthesis of double mesoporous core-shell silica spheres with tunable core porosity and their drug release and cancer cell apoptosis properties**/Mohamed El-Toni, Ahmed / Khan, Aslam / Abbas Ibrahim, Mohamed / Puzon Labis, Joselito / Badr, Gamal / Al-Hoshan, Mansour / Yin, Shu / Sato, Tsugio,/*Journal of Colloid and Interface Science*, 378 (1), p.83-92, Jul 2012 (IF: 3.070)
- 18.) **Ferroelectric and magnetic properties of Nd-doped Bi_{4-x}FeTi₃O₁₂ nanoparticles prepared through the egg-white method**./Battoo K, Labis JP, Sharma R, Singh M./*Nanoscale Res Lett*. 2012 Sep 18;7(1):511. (IF:2.726)
- 17.) **Fabrication of Mesoporous Silica Shells on Solid Silica Spheres Using Anionic Surfactants and Their Potential Application in Controlling Drug Release**/Ahmed Mohamed El-Toni, Aslam Khan , Mohamed Abbas Ibrahim , Mansour Al-Hoshan and Joselito Puzon Labis/*Molecules* 2012, 17, 13199-13210 (IF:2.411)
- 16.) **Preparation and photoluminescence properties of hydrothermally synthesized YVO₄:Eu³⁺ nanofibers**/Anees A. Ansari and Joselito P. Labis/*Materials Letters*, 88 (2012) pp.152-156 (IF: 2.307)
- 15.) **Impact of textural properties of double mesoporous core-shell silica nanospheres on drug loading and in vitro release**
Mohamed Abbas Ibrahim, Ahmed Mohamed El-Toni, Aslam Khan, Joselito Puzon Labis, Mansour Al-Hoshan, *Digest Journal Nanomaterials and Biostructures*, Vol. 7, No. 2 April-June 2012, p. 447-458. (IF: 1.75)
- 14.) **Synthesis of Magnetic Core-Mesoporous Silica Shell Nanoparticles Using Anionic Surfactant and Their Application for Ketoprofen Control Release**/Ahmed Mohamed El-Toni, Aslam Khan, Joselito Puzon Labis, Mohamed Abbas Ibrahim, and Mansour Al-hoshan/*Chemistry Letters* Vol. 41 (2012) No. 10 P 1357-1359 (IF:1.587)

2011

- 13.) **Luminescent mesoporous LaVO₄:Eu³⁺ core-shell nanoparticles: synthesis, characterization, biocompatibility and their cytotoxicity**/Ansari, Anees A. / Alam, Manawwer / Labis, Joselito P. / Alrokayan, S. A. / Shafi, Gowhar / Hasan, T. N. / Syed, N. A. / Alshatwi, Ali. A./*Journal of Materials Chemistry*, 21 (48), p.19310, 2011 (IF: 5.968)

2010

- 12.) **Determination of the microstructure of Eu-treated ZnO nanowires by x-ray absorption** (W. L. Huang, J. Labis, S. C. Ray, R. Liang, C. W. Pao, H. M. Tsai, C. H. Du, W. F. Pong, J. W. Chiou, M.-H. Tsai, H. J. Lin, J. F. Lee, Y. T. Chou, J. L. Shen, C. W. Chen, and G. C. Chi) *Applied Physics Letter* 96, 062112 (2010)(IF:3.844)

2005-2009

(Teaching period)

2004-2001

- 11.) **High-resolution photoemission electron spectroscopy study on the oxynitridation of 6H-SiC(0001)-√3×√3R30° surface** (J. Labis, J. Oh, H. Namatame, M. Taniguchi, M. Hirai, M. Kusaka and M. Iwami), *Applied Surface Science*, 23(2004) 170-175 (IF:2.032)
- 10.) **Solid phase reaction in Ti(thin film)/Si(substrate) with Mo interlayer: SXES and PEEM study** (J. Labis, H. Namatame, M. Taniguchi, C. Kamezawa, M. Hirai, Kusaka and M. Iwami) *Thin Solid Films*, 464-465 (2004) 107-111 (IF: 2.014)
- 9.) **Surface analyses of Zr (film)/4H-SiC (substrate) by synchrotron radiation induced-PEEM** (Kamezawa, C. / Hirai, M. / Kusaka, M. / Iwami, M. / Labis, J.) *Applied Surface Science*, 237 (1), p.607-611, (2004). (IF: 2.032)

- 8.) Surface morphology and interface structural analyses of the Ti(film)/SiC (substrate) by PEEM, SXES, AES, and XRD** (J. Labis, A. Ohi, M. Hirai, M. Kusaka, and M. Iwami). *Surface and Interface Analysis, John Wiley and Sons, Ltd. UK, 35 (2003) 89-93(IF:1.18)*
- 7.) Nanotransformation of transition metal (Ti,Ni,)/SiC system: photoemission electron microscopy and soft X-ray fluorescence spectroscopy** (M. Hirai, J. Labis, A. Ohi, C. Kamezawa, Y. Morikawa, K. Yoshida, M. Kusaka, and M. Iwami) *Applied Surface Science, 216 (2003) 187-191(IF:2.032)*
- 6.) Photoemission electron imaging of transition metals (Ti, Ni) surface on Si and SiC** (J. Labis, C. Kamezawa, M. Hirai, M. Kusaka, and M. Iwami) *Materials Science Forum, Trans Tech Publication Ltd., Switzerland, 389-393 (2002) 721-724.*
- 5.) Surface and interface of Ti(film)/SiC(substrate) system: A soft X-ray emission and photoemission electron microscopy study** (J. Labis, A. Ohi, C. Kamezawa, K. Yoshida, M. Hirai, M. Kusaka, and M. Iwami) *Applied Surface Science, Elsevier, Ireland, 190, (2002) 521-526.(IF:2.032)*
- 4.) PEEM and SXES characterization on the surface and interface of the transition-metal/SiC system** (J. Labis, A. Ohi, C. Kamezawa, T. Fujiki, K. Yoshida, M. Hirai, M. Kusaka, and M. Iwami) *Surface Review and Letters, World Scientific Publishing Company, USA, 9 (2002) 313-318 (IF:0.357)*
- 3.) Soft X-ray emission study of thermally treated Ni(film)/ 4H-SiC (substrate) interface** (A. Ohi, J. Labis, Y. Morikawa, T. Fujiki, M. Hirai, M. Kusaka, and M. Iwami) *Applied Surface Science, Elsevier, Ireland, 190 (2002) 366-370. (IF:2.032)*
- 2.) Interfacial reaction study of thermally annealed Ti film on 4H-SiC by soft X-ray emission spectroscopy** (J. Labis, A. Ohi, M. Hirai, M. Kusaka, and M. Iwami) *Surface Science, Elsevier, Netherlands, 493/1-3 (2001) 447-452.(IF:1.661)*
- 1.) Study on Ti/C-terminated 4H- and 6H-SiC interface reactions by soft X-ray emission spectroscopy (SXES)** Joselito LABIS, Akihiko OHI, Toshinori FUJIKI, Masaaki HIRAI, Masahiko KUSAKA, Tadao TODA, Hiroshi HARIMA and Motohiro IWAMI, *J. Vac. Soc. Jpn.*, Vol. 44, No. 3, (2001) p. 359

IX. International Conference Proceedings

30. Structural characterization of Zn-rich SrZnO on Al₂O₃(0001) grown by Pulsed Laser Deposition

Anwar Alanazi, Essa Alfaifi, Hassan Alshahrani, Ahmed Alyamani, Zeyad Alahmad, Ahmed Elnaggar, Joselito Labis, Hamad AH Albrithen

Materials Research Society (MRS) Fall Meeting, Nov. 30- Dec. 5, 2014, Boston, Massachusetts, USA

29. Investigating Barium Zinc Oxide Alloy Grown by Pulsed Laser Deposition

Hamad Albrithen, Essa Alfaifi, Hassan Alshahrani, Anwar Alanazi, Joselito Labis, Ahmed Alahmed, and Ahmed Elnaggar

Materials Research Society (MRS) Fall Meeting, Nov. 30- Dec. 5, 2014, Boston, Massachusetts, USA

28. Refractive Index Variation of Zn-rich BaZnO Alloys Grown by Pulsed Laser Deposition

Hamad Albrithen, Zeyad Alahmed, Ahmed Elnaggar, Essa Alsalmani, Anwar Alanazi, Ahmed Alyamani, and Joselito Labis

American Physical Society (APS) March Meeting 2014, March 3 - 7, 2014, Colorado Convention Center, Denver Colorado, USA

27. Simple hydrothermal Synthesis of Brookite TiO₂ nanowires and their application in dye-sensitized and perovskite solar cells

Saif Qaid, Abdullah Aldwayyan, Idriss Bedja, Mahmoud Hezam, Joselito Labis, Mohammad Khaja Nazeeruddin, Fahad Alharbi

International Conference on Hybrid and Organic Photovoltaics, Lausanne, Switzerland, May 11-14, 2014

26. Strontium Doped ZnO Grown by Pulsed Laser Deposition: Structural and Optical Properties

Anwar Q. Alanazi, Essa Alfaifi, Hassen Alshahrani, Mudhi Almutairi, Joselito P. Labis, Ahmed Alyamani, Zeyad A. Alahmed, Ahmed Elnaggar, Asghar Kavani, and Hamad Albrithen

17th International Conference on Crystal Growth and Epitaxy -ICCGE-17, Aug.11-16, 2013, Poland

25. Successful Growth of TiO₂ nanosheets with {001} facets and TiO₂ QDs for Dye-Sensitized Solar Cells/

Saif Qaid, Mahmoud Hezam, Joselito Labis, Idriss M. Bedja, Abdullah Al-Dwayyan

IMAGINE NANO 2013, April 23-26, 2013, Bilbao, Spain

24. Successful Synthesis of Nest-like Nanoporous ZnO Films by Pulsed Laser Deposition/

Abdullah Al-Dwayyan, Joselito Labis, Mahmoud Hezam, Fahad Alharbi
IMAGINE NANO 2013, April 23-26, 2013, Bilbao, SPAIN

23. Investigating Barium Zinc Oxide Alloys Grown by Pulsed Laser Deposition

Essa S. Alsalmami, Anwar Qasem Alanazi, Joselito Puzon Labis, Ahmed M. Elnaggar, Zeyad Ahmed Alahmed,
Hamad Abdulaziz Albrithen

17th European Molecular Beam Epitaxy Workshop

March 10-13, 2013, Levi, Finland

22. Synthesis of silica and magnetic core-mesoporous silica shell nanoparticles using anionic surfactant and their application in drug control release

Ahmed Mohamed El-Toni, Joselito Puzon Labis, Moahmed Abbas Ibrahim, and Mansour Al-hoshan

The 2nd Saudi International Nanotechnology Conference (2SINC) 2012, Nov.11-13, 2012, KACST, Riyadh, Saudi Arabia

21. Multiferrioc properties of the Bi_{5-x}NdxFeTi₃O₁₅ nanoparticles for random access memory devices

Khalid Mujasam Batoo, Joselito P. Labis, Ritu Sharma, Mahavir Singh

ICMST2012-International Conference on Materials Science and Technology, June 10-14-2012, India

20. Synthesis of Magnetic Core-Mesoporous Silica Shell Nanoparticles using anionic surfactant And Their Application in Drug Control Release

Ahmed EL-TONI, Joselito LABIS, Mohamed IBRAHIM, Mansour AL-HOSHAN

IACIS 2012 International Association of Colloid and Interface Scientists, Conference May 13-18, 2012 Sendai, Japan

19. Ethanol reactions over Ru-Pt/CeO₂ catalysts

Madhav Regmi, Sanjaya D Senanayake, Albert Bruix, YongMan Choi, Jose Rodriguez, Faisal Alamgir, Jordi Llorca, Joselito Labis, Hicham Idriss,

242nd ACS National Meeting & Exposition August 28-September 1, 2011, Denver, Colorado, USA

18. Temperature-dependent magnetic properties of Pr_{0.5}Ba_{0.5}MnO₃ studied by X-ray absorption spectroscopy

(I.Y. Huang, H. M. Tsai, C. W. Pao, J. P. Labis, J. W. Chiou, D.C. Ling, and W. F. Pong) *9th Korea-Japan-Taiwan Symposium on Strongly Correlated Electron Systems* November 20 - 22, 2008, Tamkang University, Tamsui, Taiwan

17. Solid phase reaction in Ti(thin film)/Si(substrate) with Mo interlayer: SXES and PEEM study (J. Labis, H.

Namatame, M. Taniguchi, C. Kamezawa, M. Hirai, Kusaka and M. Iwami) *7th International Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures*, November 16 - 20, 2003, Nara, Japan

16. High-resolution photoemission electron spectroscopy study on the oxynitridation of 6H-SiC(0001)-

$\sqrt{3}\times\sqrt{3}R30^\circ$ surface (J. Labis, J. Oh, H. Namatame, M. Taniguchi, M. Hirai, M. Kusaka and M. Iwami) *7th International Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures*, November 16 - 20, 2003, Nara, Japan

15. Surface analyses of Zr (film)/4H-SiC (substrate) by synchrotron radiation induced-PEEM (Kamezawa, C.,

Hirai, M., Kusaka, M., Iwami, M., and Labis, J) *7th International Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures*, November 16 - 20, 2003, Nara, Japan

14. PEEM Observation of heat treated Fe(film)/4H-SiC(substrate)(C. Kamezawa, J. Labis, Z. An, M. Hirai, M. Kusaka, and M. Iwami) *4th International Symposium on Atomic Level Characterizations for New Materials and Devices (ALC'03) October 5-10, 2003, Kauai, Hawaii, U.S.A.*

13. Nano-structure of transition metal (Ti, Ni)/SiC system: Soft x-ray fluorescence spectroscopy and photoemission electron microscopy (M. Hirai, J. Labis, A. Ohi, Y. Morikawa, K. Yoshida, M. Kusaka, and M. Iwami) *International Symposium on Control of Semiconductor Interfaces, October 21-25, 2002, Karuizawa, Japan*

12. Nano-structure analysis of a thin-film-contact system using UV/soft X-ray (M. Iwami, J. Labis, A. Ohi, C. Kamazawa, M. Hirai and M. Kusaka) *6th Hiroshima International Symposium on Synchrotron Radiation, March 14-15, 2002, Hiroshima, Japan*

11. Surface imaging of Ti thin films on SiC(substrate) by photoemission electron microscopy (J. Labis, M. Hirai, M. Kusaka, and M. Iwami) *6th Hiroshima International Symposium on Synchrotron Radiation, March 14-15, 2002, Hiroshima, Japan*

10. Surface morphology analysis of the thermally annealed Ti films on 3C- and 4H-SiC by photoemission electron microscopy (J. Labis, C. Kamezawa, M. Hirai, M. Kusaka, and M. Iwami) *3rd International Symposium on Atomic Level Characterizations for New Materials and Devices, Nov. 11-14, 2001, Nara, Japan*

9. Photoemission electron imaging of transition metal surface on Si and SiC (J. Labis, C. Kamezawa, M. Hirai, M. Kusaka, and M. Iwami) *International Conference on Silicon Carbide and Related Materials 2001, Oct. 28-Nov. 2, 2001, Tsukuba, Japan*

8. **Observation of Cu island formation on SiC by photoemission electron microscopy (PEEM)** (C. Kamezawa, Z. An, J. Labis, M. Hirai, M. Kusaka, and M. Iwami) *13th International Conference on Crystal Growth/ 11th International Conference on Vapor Growth and Epitaxy, July 30- Aug. 4, 2001, Kyoto, Japan*
7. **PEEM and SXES characterization on surface and interface of transition metals/SiC system** (J. Labis, A. Ohi, C. Kamezawa, Y. Morikawa, T. Fujiki, M. Hirai, M. Kusaka, and M. Iwami) *13th International Conference on Vacuum Ultraviolet Radiation Physics, July 23-27, 2001, Trieste, Italy*
6. **Interfacial reaction at Ni(film)/4H-SiC(substrate) system studied using soft X-ray emission spectroscopy** (A. Ohi, J. Labis, Y. Morikawa, T. Fujiki, M. Hirai, M. Kusaka, and M. Iwami) *13th International Conference on Vacuum Ultraviolet Radiation Physics, July 23-27, 2001, Trieste, Italy*
5. **Surface and interface of Ti(film)/SiC(substrate) system: A soft X-ray emission and photoemission electron microscopy study**(J. Labis, A. Ohi, C. Kamezawa, K. Yoshida, M. Hirai, M. Kusaka, and M. Iwami) *8th International Conference on the Formation of Semiconductor Interfaces, June 10-15, 2001, Hokkaido, Japan*
4. **Soft X-ray emission study of thermally-treated Ni(film)/4H-SiC (substrate) interface** (A. Ohi, J. Labis, T. Fujiki, Y. Morikawa, M. Hirai, M. Kusaka and M. Iwami) *8th International Conference on the Formation of Semiconductor Interfaces, June 10-15, 2001, Hokkaido, Japan*
3. **Metal (Cu, Ti) cluster formation on Silicon carbide by using photo-emission electron microscope** (M. Hirai, J. Labis, C. Kamezawa, H. Kida, M. Kusaka, and M. Iwami) *The 5th Hiroshima International Symposium on Synchrotron Radiation, March 15-16, 2001, Hiroshima, Japan*
2. **Thermal annealing effect on Ti film on C-terminated 4H-SiC: A metal-semiconductor interfacial reaction study by soft X-ray emission spectroscopy** (J. Labis, A. Ohi, T. Fujiki, M. Hirai, M. Kusaka, and M. Iwami) *International Symposium on Surface and Interface (ISSI): Properties of Different Symmetry Crossing-2000, Oct. 17-20, 2000, Nagoya, Japan*
1. **Ni/4H-SiC interface reactions using soft X-ray emission spectroscopy** (A. Ohi, J. Labis, T. Fujiki, M. Hirai, M. Kusaka and M. Iwami) *International Symposium on Surface and Interface (ISSI), Properties of Different Symmetry Crossing-2000, Oct. 17-20, 2000, Nagoya, Japan*

X. RESEARCH AND TEACHING EXPERIENCE:

- 1.) **April 2010 – present** - Asst. Professor, King Abdullah Institute for Nanotechnology, King Saud University, Riyadh, Saudi Arabia
- 2.) **August 2008 – July 2009** -Postdoctorate Research Fellow, Tamkang University, Tamsui Campus, TAIWAN
- 3.) **November 2004 – July 2008**-i. Associate Professor III, Dept. of Math. and Physics, Mindanao State University, Gen. Santos City, Philippines, ii. Associate Professor- Notre Dame of Dadiangas University, Gen. Santos City, Philippines, iii. Associate Professor- Notre Dame of Marbel University- Koronadal City, Philippines; iv. Associate Professor, Mindanao State University-IIT. Philippines
- 4.) **May 2002 - September 2004** - Postdoctorate Research Fellow, Hiroshima Synchrotron Radiation Center, Hiroshima University, Hiroshima, JAPAN
5. **Oct 1998- March 2002- On study- leave for PhD study ,Okayama University, JAPAN**
6. **June 1996-Oct. 1998 Asst. Prof. Mindanao State University, General Santaos City, Philippines**
7. **Jun 1993-May 1996 On-study leave for MS Physics study, University of the Philippines, Philippines**
8. **Nov. 1989-Apr. 1993 Instructor Mindanao State University General Santos City, Philippines**

XI. THESIS CO-ADVISORSHIP:

1. MSc Physics thesis title: "Investigating Zn-rich Sr_xZnO_{1-x} alloy grown by pulsed laser deposition", by Anwar Alanazi (Defended Dec. 16, 2015)

XII. PROFESSIONAL MEMBERSHIPS:

1. *Physical Society of Republic of China (PSROC), TAIWAN*
 2. *Japan Society of Applied Physics (JSAP), JAPAN*
 3. *Japanese Society for Synchrotron Radiation Research (JSSRR), JAPAN*
 4. *Physics Society of Visayas and Mindanao (SPVM), PHILIPPINES*
 5. *Philippine Physics Society (PPS), PHILIPPINES*
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