

Zuhair Subhani Khan

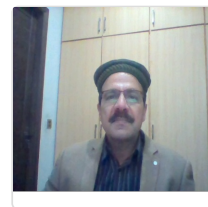
Professor

US-Pakistan Center for Advanced Studies in Energy

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About

Dr. Zuhair Subhani Khan is working as Professor in the US-Pakistan Center for Advanced Studies in Energy. Dr. Zuhair Subhani Khan has a PhD in Advanced Energy Materials & Surface Engineering. Dr. Zuhair Subhani Khan has published 53 research articles & conference papers having a citation count of 697, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Advanced Energy Materials & Surface Engineering Kyoto University , Japan	2002 - 2006
MS in plasma coatings and physics Linköping University , Sweden	1998 - 2000
MSc in High Tc superconductors BZU, Multan , Pakistan	1993 - 1995
BSc in physics math A mathB Islamia University of Bahawalpur , Pakistan	1991 - 1993

Experience

Professor US-Pakistan Center for Advanced Studies in Energy	2022- Present
Professor US-Pakistan Center for Advanced Studies in Energy	2019 - 2022
Professor Centre for Energy System	2017 - 2019
Associate Professor Centre for Energy System	2012 - 2017
Faculty NUST , Sector H-12	2012 - 2022
Sr Research Fellow Chinese Academy, Islamabad , Changchun, China	2010 - 2012
Asst Prof COMSATS, Islamabad , Comsats Univ, Islamabad	2007 - 2010

Awards

CAS Intl Award Young International Scientist Prestigious Award of Chinese Academy of Sciences (CAS) 01/09/2010 ~ 30/08/2012	2010
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Research Projects

National Projects

Towards Emerging Perovskite and Solid State Dye-Sensitized Solar Cells	2017
Funding Agency: HEC	
Amount: PKR 15,000,000.00	
Status: Completed	
Development of Environmentally Tolerant Materials and Coatings for Gas Turbines for Electric Power Generation and Vehicular Propulsion	2014
Funding Agency: HEC	
Amount: PKR 14,194,000.00	
Status: Approved_inprocess	

International Projects

Research Articles

Influence of cobalt redox couple concentration on the characteristics of liquid and quasi-solid electrolytes and on the photovoltaic parameters of dye-sensitised solar cells	2025
<i>Kashan Ahmad Ahad hussain Javed Nadia Shahzad Muhammad Imran Shahzad Zuhair Subhani Khan Naseem Iqbal Memoona Qamar Adriano Sacco Diego Pugliese</i>	
<i>Applied Physics A: Materials Science and Processing</i> , Volume:131, Issue:3, Article Number 170	
Impact Factor: 2.500 Quartile: 2 Citations: 1	
DOI: https://link.springer.com/article/10.1007/s00339-025-08279-3	
Tailoring the physicochemical and electrical properties of ZnO thin films by doping with light and heavy rare-earth element via wet chemical approach	2024
<i>Altamash Shabbir Zain Hussain Danish Ali Khan Zuhair S. Khan</i>	
<i>Journal of Materials Science: Material in Electronics</i> , Volume:35, Issue:24, Pages:17	
Impact Factor: 2.8 Quartile: 2 Citations: 1	
DOI: https://doi.org/10.1007/s10854-024-13401-x	
Performance evaluation of ruthenium complexes and organic sensitizers in ZnO-based dye-sensitized solar cells	2024
<i>Muniba Ayub Nadia Shahzad Ahad Hussain Javed Sana Mehmood Saad Nadeem Zuhair S Khan Sehar Shakir Faroha Liaqat Faisal Abbas Muhammad Imran Shahzad Diego Pugliese</i>	
<i>Engineering Research Express</i> , Volume 6, Issue 2, Article Number 025016	
Impact Factor: 1.500 Quartile: 2 Citations: 1	
DOI: 10.1088/2631-8695/ad5787	
Oxide-based ternary composite solid-state electrolyte for next-generation lithium batteries	2024
<i>Haseeb Ahmad Hafiz Muhammad Haseeb Altamash Shabbir Zuhair S. Khan Tayyaba Noor Ghulam Ali</i>	
<i>Energy Storage</i> , Volume 6, Issue 3, Article Number e619	
Impact Factor: 3.600 Quartile: 3 Citations: 4	
DOI: https://doi.org/10.1002/est2.619	
Morphology matters: Investigating the influence of granules and nanofibers on the physicochemical properties of TiO2 for optoelectronic applications	2023
<i>Altamash Shabbir Zain Hussain Zuhair S. Khan Wajahat Qasim</i>	
<i>Optical Materials</i> , Volume 146, Article Number 114525	
Impact Factor: 3.9 Quartile: 2 Citations: 5	
DOI: https://doi.org/10.1016/j.optmat.2023.114525	
Performance of Cs-Doped Carbon-Based Perovskite Solar Cells in Ambient Environment	2023
<i>Tanzeela Yousaf Nadia Shahzad Abdul Sattar Muhammad Ali Tariq Naveed Hussain Zuhair Subhani Khan Sofia Javed Muhammad Imran Shahzad Diego Pugliese</i>	
<i>Energies</i> , Volume 16, Issue 12, Article Number 4748	
Impact Factor: 3.2 Quartile: 3 Citations: 3	
DOI: https://doi.org/10.3390/en16124748	
Structural Evolution and Irradiation Hardening Studies in α-particles Irradiated Mo Thin Films	2023
<i>Nisar Ahmed Zuhair Subhani Khan Asghar Ali Muhammad Azhar Iqbal Muhammad Imran Shahzad Nadia Shahzad</i>	
<i>Materials Today Communications</i> , Volume 34, Article Number 105238	
Impact Factor: 3.662 Quartile: 3 Citations: 2	

DOI: <https://doi.org/10.1016/j.mtcomm.2022.105238>

- Fabrication of cellulose paper-based counter electrodes for flexible dye-sensitized solar cells** 2023
Hina Pervaiz Zuhair S. Khan Nadia Shahzad Ghulam Ali Naseem Iqbal Sofia Javed
Physical Chemistry Chemical Physics, Volume 25, Issue 1, Pages 428-438
Impact Factor: 3.945 | **Quartile:** 1 | **Citations:** 10
DOI: <https://doi.org/10.1039/D2CP04358K>
- Synthesis and characterization of CuInS₂ nanostructures and their role in solar cell applications** 2022
Hina Pervaiz Zuhair Subhani Khan Nadia Shahzad Nisar Ahmed Qasim Jamil
Materials Chemistry and Physics, Volume 290, Article Number 126602
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 12
DOI: [10.1016/j.matchemphys.2022.126602](https://doi.org/10.1016/j.matchemphys.2022.126602)
- Microstructure and residual stress dependence of molybdenum films on DC magnetron sputtering conditions** 2022
Nisar Ahmed Zuhair Subhani Khan Asghar Ali
Applied Physics A: Materials Science and Processing, Volume 128, Issue 11, Article Number 967
Impact Factor: 2.983 | **Quartile:** 2 | **Citations:** 7
DOI: <https://doi.org/10.1007/s00339-022-06097-5>
- Effects of Annealing Treatment on Corrosion Resistance of Arc Sprayed Aluminum Coating** 2022
Muhammad Abaid Ashraf Nisar Ahmed Zuhair Subhani Khan Muhammad Azhar Iqbal Aamir Naseem Satti Ameerq Farooq
Journal of Thermal Spray Technology, Volume 31, Issue 6, Pages 1934-1943
Impact Factor: 2.839 | **Quartile:** 3 | **Citations:** 7
DOI: <https://doi.org/10.1007/s11666-022-01413-0>
- Praseodymium-doped Sr₂TiFeO_{6-δ} double perovskite as a bi-functional electrocatalyst for hydrogen production through water splitting** 2022
Qassam Sarmad Uneeb Masood Khan Mutawara Mahmood Baig Muhammad Hassan Faaz Ahmed Butt Asif Hussain Rabia Liaquat Zuhair Subhani Khan Mustafa Anwar Muhammed Ali S.A.
Journal of Environmental Chemical Engineering, Volume 10, Issue 3, Article Number 107609
Impact Factor: 5.909 | **Quartile:** 1 | **Citations:** 38
DOI: [10.1016/j.jece.2022.107609](https://doi.org/10.1016/j.jece.2022.107609)
- Si diffusion induced adhesion and corrosion resistance in annealed RF sputtered SiC films on graphite substrate** 2022
Nisar Ahmed Zuhair S. Khan Muhammad Abaid Ashraf Hina Pervaiz Mohsin Ali Marwat Ahmed Abdul Qayyum
Ceramics International, Volume 48, Issue 8, Pages 11009-11017
Impact Factor: 5.2 | **Quartile:** 1 | **Citations:** 9
DOI: <https://doi.org/10.1016/j.ceramint.2021.12.321>
- Synthesis of cobalt loaded double perovskite Sr₂TiFeO_{6-δ} (STF) as a stable catalyst for enhanced hydrogen production via methane decomposition** 2021
Uneeb Masood Khan Qassam Sarmad Mustafa Anwar Asif Hussain Khoja Muhammed Ali S.A. Zuhair S. Khan Muhammad Hassan Sehar Shakir
International Journal of Energy Research, Volume 45, Issue 14, Pages 20073-20088
Impact Factor: 4.672 | **Quartile:** 1 | **Citations:** 9
DOI: <http://dx.doi.org/10.1002/er.7084>
- Catalytic Performance of Calcium-Lanthanum co-doped Ceria (Ce_{0.85-x}La_{0.15}CaxO_{2-δ}) in Partial Oxidation of Methane** 2021
Zuhair Subhani Khan Andanastuti Muchtar Qassam Sarmad Uneeb Masood Khan Mustafa Anwar Asif Hussain Khoja Muhammed Ali Mahendra Rao Somalu
Bulletin of Chemical Reaction Engineering and Catalysis, Volume 16, Issue 3, Pages 548-554
Impact Factor: -
DOI: <https://doi.org/10.9767/bcrec.16.3.10528.548-554>
- Investigation of Hydrothermally Stressed Silicone Rubber/Silica Micro and Nanocomposite for the Coating of High Voltage Insulation Applications** 2021
Faiza Abraiz Khattak Safi Ullah Butt Kashif Imran Abasin Ulasayr Asghar Ali Zuhair Subhani Khan Azhar Mahmood Nasim Ullah Ahmad Aziz Alahmadi Adam Khan
Materials, Volume 14(13), Article Number 3567
Impact Factor: 3.748 | **Quartile:** 1 | **Citations:** 12
DOI: <https://doi.org/10.3390/ma14133567>

Amorphous codoped SnS/CNTs nanocomposite with improved capacity retention as an advanced sodium-ion battery anode <i>Ahmed A. Qayyum Zuhair Subhani Khan Sheeraz Ashraf Nisar Ahmed</i> <i>Journal of Materials Science-Materials in Electronics</i> , Volume 31, Pages14521–14530 Impact Factor: 2.478 Quartile: 3 Citations: 6 DOI: https://doi.org/10.1007/s10854-020-04012-3	2020
Amorphous co-doped SnS/CNTs nanocomposite with improved capacity retention as an advanced sodium-ion battery anode <i>Ahmed A. Qayyum Zuhair S Khan Sheeraz Ashraf Nisar Ahmed</i> <i>Journal of Materials Science-Materials in Electronics</i> , Volume 31, Pages 14521–14530 Impact Factor: 2.478 Quartile: 3 Citations: 6 DOI: https://doi.org/10.1007/s10854-020-04012-3	2020
Effects of Process Parameters on the Microstructural Characteristics of DC Magnetron Sputtered Molybdenum Films on Graphite Substrate <i>Muhammad Azhar Iqbal Zuhair S Khan Nisar Ahmed Asghar Ali</i> <i>Arabian Journal for Science and Engineering</i> , Pages 1-8 Impact Factor: 2.334 Quartile: 3 Citations: 5 DOI: https://doi.org/10.1007/s13369-020-04888-7	2020
DC Magnetron-Sputtered Mo Thin Films with High Adhesion, Conductivity and Reflectance <i>Nisar Ahmed Muhammad Azhar Iqbal Zuhair Subhani Khan Ahmed Abdul Qayyum</i> <i>Journal of Electronic Materials</i> , Volume 49, Pages 4221–4230 Impact Factor: 1.938 Quartile: 3 Citations: 15 DOI: https://doi.org/10.1007/s11664-020-08138-2	2020
Synthesis and characterization of electro-spun TiO₂ and TiO₂-SnO₂ composite nano-fibers for application in advance generation solar cells <i>Maham Akhlaq Zuhair S Khan</i> <i>Materials Research Express</i> , Volume 7, Article Number 015523 Impact Factor: 1.620 Quartile: 4 Citations: 6 DOI: https://doi.org/10.1088/2053-1591/ab68a1	2020
Effect of thermal cycling on the interfacial bonding between Al₂O₃ coating and C/SiC composite <i>Maria Sattar Maria Sattar Dr. Zuhair S Khan</i> <i>Materials Research Express</i> , Volume: 6 Issue: 10 Article Number: 105545 Impact Factor: 1.929 Quartile: 3 Citations: 1 DOI: 10.1088/2053-1591/ab4323	2019
Synthesis of Ni/YSZ based anode and investigation of effect of PVA as pore-former upon porosity, microstructure and thermal behavior for potential use in solid oxide fuel cells (SOFCs) <i>Mariah Batoool Maria Sattar Ussama K. Barki Zuhair S. Khan</i> <i>International Journal of Materials Research</i> , Volume 109, Issue 12, Pages 1153-1159 Impact Factor: 0.851 Quartile: 3 Citations: 3 DOI: 10.3139/146.111713	2018
Influence of temperature and synthesis dependent changes upon structure, morphology and electrical properties of BaCeO₃-based proton conducting electrolyte <i>Mariah Batoool Maria Sattar Zuhair S. Khan</i> <i>Materials Chemistry and Physics</i> , Volume 213, Pages 213-219 Impact Factor: 2.781 Quartile: 2 Citations: 9 DOI: 10.1016/j.matchemphys.2018.04.020	2018
Effect of lanthanum and hydrogen peroxide on the thermal and microstructural properties of NiO-Ce_{0.8}Sm_{0.2}O_{1.9} composite <i>M. Naveed Akbar Zuhair S. Khan Naveed K. Janjua Mustafa Anwar</i> <i>Journal of the Australian Ceramic Society</i> , Volume 54, Issue 2, Pages 191-197 Impact Factor: 0.692 Quartile: 3 DOI: 10.1007/s41779-017-0140-9	2018
Simultaneous reduction and sulfonation of graphene oxide for efficient hole selectivity in polymer solar cells <i>Asghar Ali Zuhair Subhani Khan Mahmood Jamil Yaqoob Khan Nisar Ahmad S. Ahmed</i> <i>Current Applied Physics</i> , Volume 18(5), Pages 599-610	2018

Impact Factor: 2.010 Quartile: 2 Citations: 19 DOI: DOI:10.1016/j.cap.2018.02.016	
Studies on solution processed Graphene-Nb2O5 nanocomposite based photoanode for dye-sensitized solar cells <i>Mahmood Jamil Zuhair S. Khan Asghar Ali Naseem Iqbal</i> <i>Journal of Alloys and Compounds</i> , Volume 694, Pages 401-407 Impact Factor: 3.779 Quartile: 1 Citations: 37 DOI: 10.1016/j.jallcom.2016.09.300	2017
Hot corrosion behavior of La₂(Zr_{0.7}Ce_{0.3})₂O₇ based coatings prepared by plasma spraying and exposed to molten salts at 1050 °C in air <i>Z. S. Khan B. Zou X. Cao</i> <i>Materials and Corrosion</i> , Volume 67, Issue 11, Pages 1195-1203 Impact Factor: 1.26 Quartile: 2 Citations: 5 DOI: 10.1002/maco.201508745	2016
Effect of calcination temperature on the degree of polymorphic transformation in Y₂SiO₅ nanopowders synthesized by sol-gel method <i>Zuhair S. Khan Asghar Ali Zahid Nazir Xueqiang Cao</i> <i>Journal of Non-Crystalline Solids</i> , Volume 432, Pages 540-544, Part B Impact Factor: 2.124 Quartile: 1 Citations: 14 DOI: 10.1016/j.jnoncrysol.2015.11.017	2016
Development of copper doped titania based photoanode and its performance for dye sensitized solar cell applications <i>Sehar Shakir Zuhair S. Khan Asghar Ali Naveed Akbar Warda Musthaq</i> <i>Journal of Alloys and Compounds</i> , Volume: 652, Pages: 331-340 Impact Factor: 3.014 Quartile: 1 Citations: 22 DOI: 10.1016/j.jallcom.2015.08.243	2015
Effects of some rare earth and carbonate-based co-dopants on structural and electrical properties of samarium doped ceria (SDC) electrolytes for solid oxide fuel cells <i>Mustafa Anwar Zuhair S. Khan Kamal Mustafa Akmal Rana</i> <i>International Journal of Modern Physics B</i> , Volume 29, Issue 24, Article Number 1550179 Impact Factor: 0.850 Quartile: 3 Citations: 3 DOI: 10.1142/S0217979215501799	2015
Development of cobalt doped lithiated NiO nano-composites and hot corrosion testing of LiAlO₂ matrices for molten carbonate fuel cell (MCFC) applications <i>Mustafa Anwar Kamal Mustafa M. Akmal Rana Zuhair S. Khan</i> <i>Materials Chemistry and Physics</i> , Volume 164, Pages 198-205 Impact Factor: 2.101 Quartile: 2 Citations: 7 DOI: 10.1016/j.matchemphys.2015.08.044	2015
Preparation and catalytic evaluation of Ir and Ru catalysts supported in gamma-Al₂O₃ for hydrazine decomposition in a 1 N microthruster <i>Naveed K. Janjua Naveeda Firdous Arshad Saleem Bhatti Zuhair S. Khan</i> <i>Applied Catalysis A: General</i> , Volume 479, Pages 9-16 Impact Factor: 3.942 Quartile: 1 Citations: 15 DOI: 10.1016/j.apcata.2014.04.025	2014
Reduction of vacuum sublimation by ion beam treatment for e-beam deposited SiC films <i>Jae-Won Park Zuhair S. Khan Hyung-Jin Kim Sung-Deok Hong Yong-Wan Kim Jae-Won Park</i> <i>Vacuum</i> , Volume 91, Pages 24-27 Impact Factor: 1.426 Quartile: 2 DOI: 10.1016/j.vacuum.2012.10.004	2013
Synthesis and characterization of in situ TiC–TiB₂ composite coatings by reactive plasma spraying on a magnesium alloy <i>Binglin Zou Shunyan Tao Wenzhi Huang Zuhair S. Khan Xizhi Fan Lijian Gu Ying Wanga Jiaying Xu Xiaolong Cai Hongmei Ma Xueqiang Cao</i> <i>Applied Surface Science</i> , Volume: 264, Pages: 879-885 Impact Factor: 2.538 Quartile: 1 Citations: 58 DOI: 10.1016/j.apsusc.2012.10.177	2013

- Microstructure, oxidation protection and failure mechanism of Yb₂SiO₅/LaMgAl₁₁O₁₉ coating deposited on C/SiC composites by atmospheric plasma spraying** 2012
Binglin Zou Zuhair S. Khan Lijian Gu Xizhi Fan Wenzhi Huang Ying Wang Yu Zhao Chunjie Wang Kuiyue Yang Hongmei Ma Xueqiang Cao
Corrosion Science , Volume 62, Pages 192-200
Impact Factor: 3.615 | **Quartile:** 1 | **Citations:** 57
DOI: 10.1016/j.corsci.2012.05.020
- Corrosion behavior of coating with plasma sprayed 8YSZ on the surface of carbon steel** 2012
LIU Yangjia FAN Xizhi ZENG Shuibing WANG Ying ZOU Binglin GU Lijian CHEN Xiaolong Zuhair Subhani Khan YANG Daowu CAO Xueqiang
Journal of Rare Earths , Volume 30, Issue , Pages 592-598
Impact Factor: 1.363 | **Quartile:** 2 | **Citations:** 7
DOI: 10.1016/S1002-0721(12)60096-9
- Improving stability of thermal barrier coatings on magnesium alloy with electroless plated Ni–P interlayer** 2012
Xizhi Fan Lijian Gu Shuibing Zeng Ling Zhu Ying Wang Binglin Zou Wenzhi Huang Xiaolong Chen Zuhair Subhani Khan Xueqiang Cao Chunjie Wang
Surface and Coatings Technology , Volume 206, Issue 2, Pages 4471-4480
Impact Factor: 1.941 | **Quartile:** 1 | **Citations:** 27
DOI: 10.1016/j.surfcoat.2012.05.004
- Preparation and thermophysical properties of nano-sized Ln₂Zr₂O₇ (Ln = La, Nd, Sm, and Gd) ceramics with pyrochlore structure** 2012
Chunjie Wang Yue Wang Yongliang Cheng Wenzhi Huang Zuhair Subhani Khan Xizhi Fan Ying Wang Binglin Zou Xueqiang Cao
Journal of Materials Science , Volume 47, Issue 10, Pages 4392–4399
Impact Factor: 2.163 | **Quartile:** 1 | **Citations:** 71
DOI: 10.1007/s10853-012-6293-6
- Influence of CeO₂ addition on crystal growth behavior of CeO₂–Y₂O₃–ZrO₂ solid solution** 2012
Chunjie Wang Yue Wang Wenzhi Huang Binglin Zou Zuhair Subhani Khan Yu Zhao Jili Yang Xueqiang Cao
Ceramics International , Volume 38, Issue 3, Pages 2087-2094
Impact Factor: 1.789 | **Quartile:** 1 | **Citations:** 14
DOI: 10.1016/j.ceramint.2011.10.046
- Thermal Shock Resistance of APS 8YSZ Thermal Barrier Coatings on Titanium Alloy** 2012
Shuibing Zeng Yangjia Liu Xizhi Fan Wenzhi Huang Lijian Gu Xiaolong Chen Zuhair S. Khan Ling Zhu Daowu Yang Xueqiang Cao Binglin Zou
Journal of Thermal Spray Technology , Volume 21, Issue 2, Pages 335-343
Impact Factor: 1.480 | **Quartile:** 2 | **Citations:** 10
DOI: 10.1007/s11666-011-9721-2
- Synthesis and characterization of Yb and Er based monosilicate powders and durability of plasma sprayed Yb₂SiO₅ coatings on C/C–SiC composites** 2012
Zuhair S. Khan Binglin Zou Wenzhi Huang Xizhi Fan Lijian Gu Xiaolong Chen Shuibing Zeng Chunjie Wang Xueqiang Cao
Materials Science and Engineering: B , Volume 177, Issue 2, Pages 184-189
Impact Factor: 1.846 | **Quartile:** 2 | **Citations:** 35
DOI: 10.1016/j.mseb.2011.12.004
- Synthesis of nanocrystalline La₂O₃–Y₂O₃–ZrO₂ solid solutions by hydrothermal method: A crystal growth and structural study** 2011
Chunjie Wang Yue Wang Yongliang Cheng Ling Zhu Binglin Zou Yu Zhao Wenzhi Huang Xizhi Fan Zuhair Subhani Khan Xueqiang Cao Chunjie Wang Yue
Wang Yongliang Cheng Ling Zhu Binglin Zou Yu Zhao Wenzhi Huang Xizhi Fan Xueqiang Cao
Journal of Crystal Growth , Volume 335, Issue 1, Pages 165-171
Impact Factor: 1.726 | **Quartile:** 2 | **Citations:** 19
DOI: 10.1016/j.jcrysgro.2011.09.026
- Preparation and Characterization of 8YSZ Thermal Barrier Coatings on Rare Earth-Magnesium Alloy** 2011
Zhenhua Xu Binglin Zou Lijian Gu Chunjie Wang Xiaolong Chen Xizhi Fan Yangjia Liu Ying Wang Zuhair S. Khan Daowu Yang Xueqiang Cao
Journal of Thermal Spray Technology , Volume 20, Issue 4, Pages 948–957
Impact Factor: 1.812 | **Quartile:** 2 | **Citations:** 40
DOI: 10.1007/s11666-011-9616-2
- Effect of the organic additions on crystal growth behavior of ZrO₂ nanocrystals prepared via sol–gel process** 2011
Wenzhi Huang Xiangsheng Meng Chunjie Wang Zuhair Khan Zhen Wang Jili Yang Yongliang Cheng Binglin Zou Xueqiang Cao
Chemical Engineering Journal , Volume 168, Issue 3, Pages 1360-1368
Impact Factor: 3.461 | **Quartile:** 1 | **Citations:** 57

DOI: 10.1016/j.cej.2011.02.027

A Surface Modification of Hastelloy X by a SiC Coating and an Ion Beam Irradiation for a Potential use for Iodine-Sulfur Cycle in Nuclear Hydrogen Production System

2011

Jae-Won Park Zuhair S. Khan Hyung-Jin Kim Yongwan Kim

MRS proceedings, Volume 1125 (Symposium R – Materials for Future Fusion and Fission Technologies), 1125-R06-0

Impact Factor: 0

DOI: 10.1557/PROC-1125-R06-08

Enhanced Interfacial Reaction of SiC Films Deposited onto Hastelloy X Substrates by Ion-Beam Mixing

2009

Jae-Won Park Zuhair S. Khan Hyung-Jin Kim Yong-Wan Kim

Journal of the Korean Physical Society, Volume 54, Issue 5, Pages 2124-2128, Part 2 Special Issue SI

Impact Factor: 0 | **Citations:** 3

DOI: 10.3938/jkps.54.2124

Interactions between Ion-Beam-Modified SiC Films on a Ni-Based Superalloy with Intermediate Maxthal Layers

2009

Zuhair S. Khan Jae-Won Park Hyung-Jin Kim Yong-Wan Kim

Journal of the Korean Physical Society, Volume 54, Issue 5, Pages 2119-2123, Part: 2, Special Issue SI

Impact Factor: 0 | **Citations:** 1

DOI: 10.3938/jkps.54.2119

Enhanced Adhesion of Color Coatings on Mg Surfaces by Ion-Beam Mixing

2009

Jae-Won Park Zuhair S. Khan Hyung-Jin Kim Yong-Wan Kim

Journal of the Korean Physical Society, Volume 54, Issue 5, Pages 2138-2142, Part: 2, Special Issue SI

Impact Factor: 0 | **Citations:** 4

DOI: 10.3938/jkps.54.2138

Microstructure of environmental barrier mullite and erbium silicate coatings on SiC-fiber bonded composites

2005

Zuhair S. Khan T. Hinoki A. Kohyama

Key Engineering Materials, Volume 287, Pages 471-476

Impact Factor: 0.224 | **Quartile:** 3

DOI: <https://doi.org/10.4028/www.scientific.net/KEM.287.471>

Conference Proceedings

Characterization of Wire Arc Sprayed Aluminum Coatings on MS and SS-304 for Mechanical Properties

2019

Muhammad Azhar Iqbal Muhammad Abaid Ashraf Zuhair Khan

International Symposium on Advances in Metallurgy & Materials, res.country(177,)

Citations: N/A

DOI: https://www.researchgate.net/publication/336116161_Characterization_of_Wire_Arc_Sprayed_Aluminum_on_MS_and_SS-304_Substrate_for_Mechanical_Properties

Inorganic-Organic Nano Composite Hybrid Membrane Based on Titania and Polystyrene for High Temperature Abstract PEM Fuel Cell

2016

Muhammad Raza Shah Muzammal Zulfqar Zuhair S. Khan

4th International Conference on Energy, Environment and Sustainable Development 2016 (EESD 2016), res.country(177,)

Citations: N/A

DOI: <http://eesd.muett.edu.pk/wp-content/uploads/2018/08/5.-Hydrogen-and-Fuel-Cells.pdf>

Ionized-PVD by pulsed sputtering of Ta for metallization of high-aspect ratio structures in VLSI

2000

Ulf Helmersson Z. S. Khan Jones Alami

3rd International EuroConference on Advanced Semiconductor Devices and Microsystems, res.country(201,)

Citations: N/A

DOI: 10.1109/ASDAM.2000.889479