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| Publications | Year |
|---|-------------|
| An outlook on tunable superhydrophobic nanostructural surfaces and their possible impact on ice mitigation KR Khedir, GK Kannarpady, C Ryerson, AS Biris Progress in Organic Coatings 112, 304-318 | 2017 |
| Enhancing Water and Oil Repellency of Teflon Surface By Imparting Micro-Rough Structures Using Simple One-Step KR Khedir Science Journal of University of Zakho 5 (3), 266-271 | 2017 |
| Growth of Zinc Oxide Nanorod and Nanoflower Structures by Facile Treatment of Zinc Thin Films in Boiling De-Ionized Water KR Khedir, ZS Saifaldeen, T Demirkan, RB Abdulrahman, T Karabacak Journal of Nanoscience and Nanotechnology 17 (7), 4842-4850 | 2017 |
| Subcooled flow boiling over microstructured plates in rectangular minichannels Y Büyüköztürk, A Khalili Sadaghiani, M Brozak, K Khedir, T Karabacak, ... Nanoscale and Microscale Thermophysical Engineering | 2016 |
| Subcooled flow boiling over microstructured plates in rectangular minichannels Y Şişman, AK Sadaghiani, KR Khedir, M Brozak, T Karabacak, A Koşar Nanoscale and Microscale Thermophysical Engineering 20 (3-4), 173-190 | 2016 |

Publications**Year**

- The effect of polar end of long-chain fluorocarbon oligomers in promoting the superamphiphobic property over multi-scale rough Al alloy surfaces
ZS Saifaldeen, KR Khedir, MT Camci, A Ucar, S Suzer, T Karabacak
Applied Surface Science 379, 55-65
2016
- Superhydrophobic and highly oleophobic zinc sheet surfaces developed by a simple technique
KR Khedir
Journal of Materials Science and Engineering B 6, 7-8
2016
- Nucleate Boiling Heat Transfer Enhancement Using Nanostructured Al-Alloy Plates
Y Şişman, A Khalili Sadaghiani, KR Khedir, T Karabacak, A Koşar
ASME 2016 5th International Conference on Micro/Nanoscale Heat and Mass Transfer
2016
- Robust superamphiphobic nanoscale copper sheet surfaces produced by a simple and environmentally friendly technique
KR Khedir, ZS Saifaldeen, TM Demirkan, AA Al-Hilo, MP Brozak, ...
Advanced Engineering Materials 17 (7), 982-989
2015
- Superamphiphobic aluminum alloy surfaces with micro and nanoscale hierarchical roughness produced by a simple and environmentally friendly technique
ZS Saifaldeen, KR Khedir, MF Cansizoglu, T Demirkan, T Karabacak
Journal of Materials Science 49 (4), 1839-1853
2014
- Temperature-dependent bouncing of super-cooled water on teflon-coated superhydrophobic tungsten nanorods
KR Khedir, GK Kannarpady, H Ishihara, J Woo, MP Asar, C Ryerson, ...
Applied surface science 279, 76-84
2013
- Superhydrophobic nanostructured coating for anti-icing applications
KR Khedir
University of Arkansas at Little Rock
2012
- Exceptional superhydrophobicity and low velocity impact icephobicity of acetone-functionalized carbon nanotube films
L Zheng, Z Li, S Bourdo, KR Khedir, MP Asar, CC Ryerson, AS Biris
Langmuir 27 (16), 9936-9943
2011
- Controlled growth of self-organized hexagonal arrays of metallic nanorods using template-assisted glancing angle deposition for superhydrophobic applications
GK Kannarpady, KR Khedir, H Ishihara, J Woo, OD Oshin, S Trigwell, ...
ACS applied materials & interfaces 3 (7), 2332-2340
2011

Publications**Year**

- Advanced studies of water evaporation kinetics over teflon-coated tungsten nanorod surfaces with variable hydrophobicity and morphology
KR Khedir, GK Kannarpady, H Ishihara, J Woo, S Trigwell, C Ryerson, ...
The Journal of Physical Chemistry C 115 (28), 13804-13812
2011
- Design and fabrication of teflon-coated tungsten nanorods for tunable hydrophobicity
KR Khedir, GK Kannarpady, H Ishihara, J Woo, C Ryerson, AS Biris
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2011
- A novel tungsten trioxide (WO₃)/ITO porous nanocomposite for enhanced photo-catalytic water splitting
H Ishihara, GK Kannarpady, KR Khedir, J Woo, S Trigwell, AS Biris
Physical Chemistry Chemical Physics 13 (43), 19553-19560
2011
- Morphology control of tungsten nanorods grown by glancing angle RF magnetron sputtering under variable argon pressure and flow rate
KR Khedir, GK Kannarpady, H Ishihara, J Woo, C Ryerson, AS Biris
Physics Letters A 374 (43), 4430-4437
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