# Miguel Ruiz Oses

List of Publications by Year
in descending order



| 24 | 545 | 567281 15 | 713466 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 24 | 24 | 24 | 874 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Carbon Dioxide Activation and Reaction Induced by Electron Transfer at an Oxideâ€“Metal Interface. Angewandte Chemie - International Edition, 2015, 54, 12484-12487. | 13.8 | 80 |
| 2 | Self-Assembly of Heterogeneous Supramolecular Structures with Uniaxial Anisotropy. Journal of Physical Chemistry B, 2006, 110, 25573-25577. | 2.6 | 56 |
| 3 | Balancing Intermolecular and Moleculeâ€“Substrate Interactions in Supramolecular Assemblies. Advanced Functional Materials, 2009, 19, 259-264. | 14.9 | 56 |
| 4 | Bi-alkali antimonide photocathodes for high brightness accelerators. APL Materials, 2013, 1, . | 5.1 | 46 |
| 5 | Crystallographic and Electronic Structure of Self-Assembled DIP Monolayers on Au(111) Substrates. Journal of Physical Chemistry C, 2008, 112, 7168-7172. | 3.1 | 39 |
| 6 | Electronic structure of C60 on Au(887). Journal of Chemical Physics, 2006, 125, 144719. | 3.0 | 36 |
| 7 | Direct observation of bi-alkali antimonide photocathodes growth via in operando x-ray diffraction studies. APL Materials, 2014, 2, . | 5.1 | 32 |
| 8 | Charge lifetime measurements at high average current using a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="bold">K</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>CsSb</mml:mi></mml:math>photocathode inside a dc high voltage photogun. Physical Review Special Topics: Accelerators and Beams, 2013, 16, . | 1.8 | 29 |
| 9 | Modelling nanostructures with vicinal surfaces. Journal of Physics Condensed Matter, 2006, 18, S27-S49. | 1.8 | 28 |
| 10 | One-dimensional versus two-dimensional electronic states in vicinal surfaces. New Journal of Physics, 2005, 7, 101-101. | 2.9 | 23 |
| 11 | Nonâ€Covalent Interactions in Supramolecular Assemblies Investigated with Electron Spectroscopies. ChemPhysChem, 2009, 10, 896-900. | 2.1 | 21 |
| 12 | Scattering of Surface States at Step Edges in Nanostripe Arrays. Physical Review Letters, 2005, 95, 066805. | 7.8 | 19 |
| 13 | Bi-alkali antimonide photocathode growth: An X-ray diffraction study. Journal of Applied Physics, 2016, 120, . | 2.5 | 19 |
| 14 | Spectroscopic Fingerprints of Amine and Imide Functional Groups in Selfâ€Assembled Monolayers. ChemPhysChem, 2007, 8, 1722-1726. | 2.1 | 17 |
| 15 | Synchrotron x-ray study of a low roughness and high efficiency K<sub>2</sub>CsSb photocathode during film growth. Journal Physics D: Applied Physics, 2017, 50, 205303. | 2.8 | 15 |
| 16 | Finite size effects in surface states of stepped Cu nanostripes. Physical Review B, 2005, 72, . | 3.2 | 8 |
| 17 | Metallic thin films on stepped surfaces: lateral scattering of quantum well states. New Journal of Physics, 2014, 16, 123025. | 2.9 | 6 |
| 18 | False alarm rates of liquid explosives detection systems. Journal of Transportation Security, 2017, 10, 145-169. | 1.4 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Development of Inert, Polymer-Bonded Simulants for Explosives Detection Systems Based on Transmission X-ray. Molecules, 2019, 24, 4330. | 3.8 | 5 |
| 20 | Electron emission processes in photocathodes and dynodes. , 2014, , . | | 3 |
| 21 | Real time evolution of antimony deposition for high performance alkali photocathode development. Proceedings of SPIE, 2013, , . | 0.8 | 1 |
| 22 | Study of bi-alkali photocathode growth on glass by X-ray techniques for fast timing response photomultipliers. Proceedings of SPIE, 2014, , . | 0.8 | 1 |
| 23 | Response to â€œComment on â€˜Electronic structure of C60 on Au(887)â€™ [J. Chem. Phys. 127, 067101 (2007)]â€. Journal of Chemical Physics, 2008, 128, 037101. | 3.0 | 0 |
| 24 | Revealing the Correlations between Growth Recipe and Microscopic Structure of Bi-alkali/Multi-alkali Photocathodes. Physics Procedia, 2012, 37, 765-772. | 1.2 | 0 |