

***Recent Publications (out of a total of 108 publications)***

1. H. Wang, F. Preseul, R. G. Kelly, "Computational Modeling of Inhibitor Release and Transport from Multifunctional Organic Coatings," *Electrochimica Acta*, Vol 49/2, pp. 239-255 (2004).
2. J. S. Lee, M. L. Reed, R. G. Kelly, "Combination of Rigorously Controlled Crevice Geometry and Computational Modeling for the Study of Crevice Corrosion Scaling Factors," *J. Electrochem. Soc.*, 151 (7), B423-B433 (2004).
3. F. Cui, F. J. Preseul-Moreno, R. G. Kelly, "Computational modeling of cathodic limitations on localized corrosion of wetted SS 316L at room temperature," *Corrosion Science*, 47 (2005) 2987–3005.
4. F. Cui, F. J. Preseul-Moreno, R. G. Kelly, "Experimental and Computational Evaluation of the Protection Provided by an Aluminum Cladding to AA2024-T3 Exposed at a Seacoast Environment," *Corrosion J.*, 62(3), pp. 251-263 (2006).
5. C.D. Taylor, R.G. Kelly, and M. Neurock, Electrochemical Activation of Water at the Electrochemical Ni(111)/H<sub>2</sub>O Interface, *J. Electrom. Soci.*, **153** (12) E207-E214 (2006).
6. G.O. Ilevbare, J. Yuan, R.G. Kelly, J.R. Scully, "Inhibition of the Corrosion of AA 2024: Chromate Conversion Coating versus Chromate Additions," *Corrosion J.*, v. 56 (3), pp. 227-242 (March, 2000).
7. K.S. Ferrer, R.G. Kelly, "Development of an Aircraft Lap Joint Simulant Environment." *Corrosion*, **58**(5): 452-459, 2002.
8. G. O. Ilevbare, O. Schneider, R.G. Kelly, J.R Scully, "In-Situ Confocal Laser Scanning Microscopy Of AA2024-T3 Corrosion Metrology: 1. Localized Corrosion of Particles," *J. Electrochem. Soc.* **151** (8), B453-464 (2004).
9. G. O. Ilevbare, O. Schneider, R.G. Kelly, J.R Scully, "In-Situ Confocal Laser Scanning Microscopy Of AA2024-T3 Corrosion Metrology: 2. Trench Formation Around Particles," *J. Electrochem. Soc.*, **151** (8), B465-472 (2004).
10. K. R. Cooper, Y. Ma, J. P. Wikswo, R. G. Kelly, "Simultaneous monitoring of the corrosion activity and moisture inside aircraft lap joints," *Corrosion Engineering, Science, and Technology*, Vol.39, No.4, pp.339-345 (2004).