I. PUBLICATIONS
   IA. Articles Published/Accepted In Peer-Reviewed Technical Journals:

   IB. Non Peer-reviewed Articles and Reports:

   IC. Other articles and papers:

   ID. Thesis and Dissertations:

II. Inventions and Patents:

III. Presentations and Invited Lectures

I. PUBLICATIONS

2011


2010


2009


2008


6. “Deposition and characterization of hybrid filtered arc-magnetron multilayer nanocomposite cermet coatings for advanced tribological applications”, V.I. Gorokovsky, C. Bowman, P.E.


18. “A possible link between macroscopic wear and temperature dependent friction behaviors of MoS₂ coatings” M.A. Hamilton, L.A. Alvarez, N.A. Mauntler, N.A. Argibay, R. Colbert,


15. “Growth and physical properties of epitaxial metastable \( \text{Hf}_{1-x}\text{Al}_x\text{N} \) alloys deposited on \( \text{MgO}(001) \) by ultrahigh vacuum reactive magnetron sputtering”, B. Howe, J. Bareño, M. Sardela, J.G. Wen, J.E. Greene, L. Hultman, A.A. Voevodin and I. Petrov, Surface and Coating Technology 202 (2007) 809–814.


2006


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12. “Nanotribology: The science of thinking small”, Neil Canter (editor), Tribology & Lubrication Technology June 2004, p 43 an STLE publication Contributed article (featured article)


2003


2002


7. “Magnetron sputter deposition of WC-Ag and TiC-Ag coatings and their frictional properties in vacuum” Jose L. Endrino, Jose J. Nainaparampil and James E. Krzanowski, Scripta Materialia Volume 47, Issue 9, 1 November 2002, Pages 613-618.


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IB. Non Peer-reviewed Articles and Reports:

2012


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17. “Synthesis And Crystal Structure Of (Benzo[1,2-C:3,4-C’:5,6-C”]Trithiophene)2(7,7,8,8-Tetracyano-P-Quinodimethane) A Possible One-Dimensional Thermoelectric Material,” J.E. Schmidt, D.S. Dudis, A.V. Fratini, Proceedings of the Eighteenth Annual Ohio Space Grant Consortium Student Research Symposium, April 16, 2010, Cleveland, OH.
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IC. OTHER ARTICLES

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ID. THESIS AND DISSERTATIONS

2. Sharma, Shashi K., (PhD) Transition from Elastohydrodynamic to Partial Elastohydrodynamic Lubrication in a Point Contact with Asperity, Dissertation submitted to the Department of Mechanical Engineering, The Ohio State University, December 1997.


11. Angela Campo, (MSc) NOVEL SYNTHESIS OF POLYHYDROGENATED FULLERENES, Thesis accepted to the Department of Chemistry, Wright State University, Dayton, OH, December 2011
II. INVENTION DISCLOSURES/PATENTS


3. IMPROVED LUBRICANT COATINGS, Inventors: J. S. Zabinski and Michael S. Donley, AF Invention Number 20926, patent number 5,282,985; issue date 1 Feb 1994..


8. “POLYSILAHYDROCARBONS AS LUBRICANTS FOR AEROSPACE APPLICATIONS,” G.J. Chen, C.E. Snyder, Jr., and K.C. Eapen, US Pat. No. 6,278,011, August 21, 2001. (Nonexclusive licensing agreement for the commercialization of this invention has been signed by UDRI with United Chemical Technologies as well as Castrol.)


III. INVITED LECTURES AND PRESENTATIONS AT TECHNICAL SYMPOSIA

2012

1.

2.

2011


22. “Adaptive nanostructured surfaces for contact interfaces: tribological, electrical, thermal” (invited), 6$^{th}$ Symposium on Functional Coatings and Surface Engineering, June 5-8, 2011, Montreal, Canada,


2010


4. “Synthesis And Crystal Structure Of (Benzo[1,2-C:3,4-C’:5,6-C”]Trithiophene)2(7,7,8,8-Tetracyano-P-Quinodimethane) A Possible One-Dimensional Thermoelectric Material” (Poster), J.E. Schmidt, D.S. Dudis, A.V. Fratini, Eighteenth Annual Ohio Space Grant Consortium Student Research Symposium, April 16, 2010, Cleveland, OH.


8. “In Situ Studies of Coatings Tribology” C. Muratore, J.E. Bultman, J.J. Hu, A.A. Voevodin, 12th International Ceramics Congress CIMTEC, 6-11 June, 2010, Montecatini Terme, Italy
9. “Computaional and experimental investigation to understand the adaptaion mechanisms of chameleon coating” (Invited), S.M.Aouadi, D. Stone, A. Abu-Nada, C. Muratore, A.A.Voevodin, 12th International Ceramics Congress CIMTEC, 6-11 June, 2010, Montecatini Terme, Italy.

10. “Adaptive multifunctional nanocomposite coatings for aerospace applications” (Invited), A.A.Voevodin, C.Muratore, 12th International Ceramics Congress CIMTEC, 6-11 June, 2010, Montecatini Terme, Italy.


2009

1. “Thermal Transport in Materials Interfaces” A. K. Roy, Colloquium Speaker, Dept. of Chemical and Materials Engineering, University of Cincinnati, 8 January 2009


2008


30. “Nanocomposite coatings for aerospace applications” (invited), A.A.Voevodin, Technical Seminar, University of West Bohemia, 4 April, 2008, Plzen, Czech Republic,


2007


2. “Adaptive Nanocomposite Tribological Coatings for Aerospace Applications”, A. A. Voevodin, (invited) seminar at University of Illinois at Urbana-Champaign, IL, March 1st, 2007.


2006


2005


18 “Smart nanocomposite tribological coatings with chameleon behavior”, A.A. Voevodin (invited), 52nd AVS Intern. Symposium, 30 October - 4 November 2004, Boston, Massachusetts, p.64.


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5. “Friction Behavior of Alumina/Aluminum Composites with Interpenetrating Networks”, M. Y. Chen and M. C. Breslin, ICMCTF, 9-14 April 2000, San Diego CA.


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STLE Annual Meeting, 23-27 May 1999, Las Vegas NV.


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