



## Forensic Science Center: Case Studies

Refereed Technical Publications

D. Anders, N. Barnaby, S. Bettis, J. Blankenship, R. Bull, T. Coleman, P. Grant, F. Grimm, R. Jones, C. Larsson, B.L. Marrone, D. Mazzolini, D. Nelson, N. Paquette, K. Quinlan, R.D. Satzger, J. Scarbeck, and J. Seidel. "Best Practices for the Collection of Chemical, Biological, Radiological, or Nuclear Evidence." *Forensic Science Communications*, in press.

K.J. Moody, P.M. Grant, and I.D. Hutcheon. *Nuclear Forensic Analysis*, 2<sup>nd</sup> edition. CRC Press/Taylor & Francis, ISBN 978-1-4398-8061-6, 524 pp., 2015.

L.E. Borg, Z. Dai, G.R. Eppich, B.K. Esser, A.M. Gaffney, V.G. Genetti, P.M. Grant, J.J. Hancke, I.D. Hutcheon, T.M. Kayzar, G.L. Klunder, K.B. Knight, M.J. Kristo, R.E. Lindvall, N.E. Marks, R. Mogafe, K.J. Moody, A. Nelwamondo, C.E. Ramon, M. Robel, S.K. Roberts, K.C. Schorzman, M.A. Sharp, M.J. Singleton, R.W. Williams. "Analysis of a Uranium Ore Concentrate Sample Interdicted in Durban, South Africa (FSC 14-1-1)" in *Advances in Nuclear Forensics: Countering the Evolving Threat of Nuclear and Other Radioactive Material out of Regulatory Control*. STI/PUB/1706, International Atomic Energy Agency, Vienna, IAEA-CN-218/082, 10 pp., 2015.

C.J. Koester, J.F. Blankenship, and P.M. Grant. "Effects of Superglue Fuming on Materials Characterization of Zip-lock Polyethylene Bags for Route Forensic Analyses." *Journal of Radioanalytical and Nuclear Chemistry* **295**: 2015–2019 (2013).

G.L. Klunder, J.W. Plaue, P.E. Spackman, P.M. Grant, R.E. Lindvall, and I.D. Hutcheon. "Application of Visible/Near-Infrared Reflectance Spectroscopy to Uranium Ore Concentrates for Nuclear Forensic Analysis and Attribution." *Applied Spectroscopy* **67**: 1049–1056 (2013). LLNL-JRNL-603593

B. Hart and P. Grant. "Forensic Analysis Capabilities for Investigating CBRN Threats" in *IHS Jane's Defense, Risk, & Security Consulting*. IHS Global Limited, Englewood CO, September 2012, Issue 11, p. 18–25.

I.D. Hutcheon, P.M. Grant, and K.J. Moody. "Nuclear Forensic Materials and Methods" in *Handbook of Nuclear Chemistry*, 2<sup>nd</sup> edition, Vol. 6 (*Nuclear Energy Production and Safety Issues*). Springer Science & Business Media, A. Vertes, S. Nagy, Z. Klencsar, R.G. Lovas, and F. Rosch, editors, New York, 2011, Chapter 62, p. 2837–2891.

P.M. Grant, A.M. Volpe, and K.J. Moody. "Forensic Analysis of Hair for Inorganic and Actinide Signature Species Indicative of Nuclear Proliferation." *Journal of Intelligence Community Research & Development*, Intelink, 10 pp., 2009.

E. Randich and P.M. Grant. "Proper Assessment of the JFK Assassination Bullet Lead Evidence from Metallurgical and Statistical Perspectives." *Journal of Forensic Sciences* **51**: 717–728 (2006). UCRL-TR-224202

B.D. Andresen, A. Alcaraz, and P.M. Grant. "Pancuronium Bromide (Pavulon) Isolation and Identification in Aged Autopsy Tissues and Fluids." *Journal of Forensic Sciences* **50**: 196–203 (2005). UCRL-JC-15145

B.D. Andresen, A. Alcaraz, and P.M. Grant. "The Application of Pancuronium Bromide (Pavulon) Forensic Analyses to Tissue Samples from an 'Angel of Death' Investigation." *Journal of Forensic Sciences* **50**: 215–219 (2005).

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K.J. Moody, I.D. Hutcheon, and P.M. Grant. *Nuclear Forensic Analysis*. CRC Press/Taylor & Francis, ISBN 0-8493-1513-1, 511 pp., 2005.

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K.J. Moody and P.M. Grant. "Nuclear Forensic Analysis of Thorium." *Journal of Radioanalytical and Nuclear Chemistry* **241**: 157–167 (1999).

P. Grant, D. Chambers, L. Grace, D. Phinney, and I. Hutcheon. "Advanced Techniques in Physical Forensic Science." *Physics Today* **51(10)**: 32–38 (1998).

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