Results found: 11
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1. **Title:** DFT-based Estimation of Damped Oscillation Parameters in Low-Frequency Mechanical Spectroscopy  
   **By:** Duda, Krzysztof; Magalas, Leszek B.; Majewski, Mariusz; et al.  
   **Source:** IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT  
   **Volume:** 60 **Issue:** 11 **Pages:** 3608-3618 **Published:** NOV 2011

2. **Title:** Ghost internal friction peaks, ghost asymmetrical peak broadening and narrowing: Misunderstandings, consequences and solution  
   **By:** Magalas, L. B.; Majewski, M.  
   **Conference:** 15th International Conference on Internal Friction and Mechanical Spectroscopy (ICIFMS-15)  
   **Location:** Perugia, ITALY  
   **Date:** JUL 20-25, 2008  
   **Source:** MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING  
   **Volume:** 521-22 **Pages:** 384-388 **Published:** SEP 25 2009

3. **Title:** Recent advances in determination of the logarithmic decrement and the resonant frequency in low-frequency mechanical spectroscopy  
   **By:** Magalas, L. B.; Majewski, M.  
   **Edited by:** Golovin, IS; Levin, DM  
   **Conference:** 11th International Conference of Imperfections Interaction and Anelastic Phenomena in Solids  
   **Location:** Tula, RUSSIA  
   **Date:** SEP 24-28, 2007  
   **Source:** INTERACTION BETWEEN DEFECTS AND ANELASTIC PHENOMENA IN SOLIDS **Book Series:** SOLID STATE PHENOMENA  
   **Volume:** 137 **Pages:** 15-20 **Published:** 2008

4. **Title:** Square lattice site percolation thresholds for complex neighbourhoods  
   **By:** Majewski, Mariusz; Malarz, Krzysztof  
   **Source:** ACTA PHYSICA POLONICA B  
   **Volume:** 38 **Issue:** 6 **Pages:** 2191-2199 **Published:** JUN 2007

5. **Title:** Advances in Computational High-Resolution Mechanical Spectroscopy HRMS. Part I - Logarithmic Decrement  
   **By:** Majewski, M.; Pilat, A.; Magalas, L. B.  
   **Conference:** 6th EEIGM International Conference on Advanced Materials Research (AMR)  
   **Location:** European Sch Mat Engr (EEIGM), Nancy, FRANCE  
   **Date:** NOV 07-08, 2011  
   **Sponsor(s):** Univ Lorraine, European Sch Mat Engr (EEIGM); Erasmus Mundus Adv Mat Sci & Engr Master Programme (AMASE); Erasmus Mundus Doctoral Programme Mat Sci & Engr (DocMASE); Grand Nancy; Ville Nancy; Reg Lorraine; Federal Jacques Villermaux; Conseil Gen Meurthe Moselle; Casden; Composite  
   **Source:** 6TH EEIGM INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS RESEARCH **Book Series:** IOP Conference Series-Materials Science and Engineering  
   **Volume:** 31 **Article Number:** 012018 **Published:** 2012
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### Title: Toward High-Resolution Mechanical Spectroscopy HRMS. Logarithmic Decrement

**By:** Magalas, L. B.; Majewski, M.

**Edited by:** Schaller, R; Mari, D

**Conference:** 16th International Conference on Internal Friction and Mechanical Spectroscopy (ICIFMS-16)

**Location:** Lausanne, SWITZERLAND

**Date:** JUL 03-08, 2011

**Source:** INTERNAL FRICTION AND MECHANICAL SPECTROSCOPY

**Book Series:** Solid State Phenomena

**Volume:** 184

**Pages:** 467-472

**Published:** 2012

### Title: Toward High-Resolution Mechanical Spectroscopy HRMS. Resonant Frequency - Young's Modulus

**By:** Magalas, L. B.; Majewski, M.

**Edited by:** Schaller, R; Mari, D

**Conference:** 16th International Conference on Internal Friction and Mechanical Spectroscopy (ICIFMS-16)

**Location:** Lausanne, SWITZERLAND

**Date:** JUL 03-08, 2011

**Source:** INTERNAL FRICTION AND MECHANICAL SPECTROSCOPY

**Book Series:** Solid State Phenomena

**Volume:** 184

**Pages:** 473-478

**Published:** 2012

### Title: Advances in Computational High-Resolution Mechanical Spectroscopy HRMS. Part II - Resonant Frequency - Young's Modulus

**By:** Majewski, M.; Magalas, L. B.

**Conference:** 6th EEIGM International Conference on Advanced Materials Research (AMR)

**Location:** European Sch Mat Engn (EEIGM), Nancy, FRANCE

**Date:** NOV 07-08, 2011

**Sponsor(s):** Univ Lorraine, European Sch Mat Engn (EEIGM); Erasmus Mundus Adv Mat Sci & Engn Master Programme (AMASE); Erasmus Mundus Doctoral Programme Mat Sci & Engn (DocMASE); Grand Nancy; Ville Nancy; Reg Lorraine; Federal Jacques Villermaux; Consell Gen Meurthe Moselle; Casden; Composite

**Source:** 6TH EEIGM INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS RESEARCH

**Book Series:** IOP Conference Series-Materials Science and Engineering

**Volume:** 31

**Article Number:** 012019

**Published:** 2012

### Title: HILBERT-TWIN - A NOVEL HILBERT TRANSFORM-BASED METHOD TO COMPUTE ENVELOPE OF FREE DECAYING OSCILLATIONS EMBEDDED IN NOISE, AND THE LOGARITHMIC DECREMENT IN HIGH-RESOLUTION MECHANICAL SPECTROSCOPY HRMS

**By:** Magalas, L. B.; Majewski, M.

**Source:** ARCHIVES OF METALLURGY AND MATERIALS

**Volume:** 60

**Issue:** 2

**Pages:** 1091-1098

**Published:** 2015

### Title: HILBERT-TWIN - A NOVEL HILBERT TRANSFORM-BASED METHOD TO COMPUTE THE ELASTIC MODULUS IN HIGH-RESOLUTION MECHANICAL SPECTROSCOPY HRMS

**By:** Majewski, M.; Magalas, L. B.

**Source:** ARCHIVES OF METALLURGY AND MATERIALS

**Volume:** 60

**Issue:** 2

**Pages:** 1099-1103

**Published:** 2015