

Introduction To Tribology Macroscopic And Micro Nanoscale Approaches

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biotribology at the micro- and nanoscale as exemplified by ... tribology at the micro- and nanoscale can ... micro- and nanoscale as exemplified by diatoms", ...

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... tribology and mechanics of magnetic storage devices. ... the micro- and nanoscale aspects of tribology ... of tribology and mechanics of magnetic storage ...

271-276 271 BIOINSPIRATION FOR TRIBOLOGICAL SYSTEMS ON THE ...

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introduction tribology is a system science. ... compared to macroscopic ... bioinspiration for tribological systems on the micro- and nanoscale micro and ...

NANOTRIBOLOGY: THE RENAISSANCE OF FRICTION : ARTICLE ...

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nanotribology: the renaissance of friction. ... the frictional response at the nanoscale ... macroscopic scales. an alternative approach to the study of ...

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capillary adhesion and friction : an approach with the afm circular mode. ... introduction to tribology ... new approaches for investigations at the nanoscale ...

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micro tribology teja roch, frederik ... katja guenther et al. study of nanoscale friction at high sliding velocities ... these macroscopic interactions are determined by

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select a sound modelling approach and suitable computational ... (from the nanoscale to the macroscopic scale) ... nano and modelling aspects of tribology: ...

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the critical differences at the micro- and nanoscale arise from ... while macroscopic investigations into tribology could ... a result of the introduction of new ...

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PANTCHO STOYANOV * AND RICHARD R. CHROMIK - MDPI

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... where the apparent area of contact approaches the ... the real contact consists of several micro- and nanoscale ... for macroscopic tribology of ...

DOI:10.1007/S11249-005-7795-Z - SPRINGERLINK

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... a novel atomic force microscopy based approach for studying nanoscale wear at ... most micro ... nanoscale tribology and mechanics of these ...

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application of a high-order macroscopic approach to force-driven poiseuille flow ... international conference on micro/nanoscale heat ... tribology of mechanical ...

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3.3.1 introduction. ... man made micro and nanoscale sensing devices originate from ... and adventitious products of nanotechnologies (2006), 3.3.4 nanoscale ...

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