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Volcanism and tectonics of the moon

Author(s): Sukhanov, A. L.; Trifonov, V. G.

Abstract: A map is presented of lunar volcanic features based on methods of photogeology. Domes, central volcanoes, dikes, volcanic ridges, areal effusions, volcanic regions and craters of volcanic origin are widespread on the moon. ...

NASA Center: NASA (non Center Specific)

Publication Year: 1974

Added to NTRS: 2006-08-02

Accession Number: 74N34292; **Document ID:** 19740026179; **Report Number:** NASA-TT-F-15847

Composite materials, 1

Author(s): Fujii, T.

Abstract: The basic definition of a composite material is examined and the main types of composites are characterized. Particle dispersed composite material, fiber reinforced composites (with either discontinuous fibers or continuous ...

NASA Center: NASA (non Center Specific)

Publication Year: 1976

Added to NTRS: 2006-08-02

Accession Number: 76N33292; **Document ID:** 19760026204; **Report Number:** NASA-TT-F-17242

The oxidative-reduction potential of the redoxites

Author(s): Shatalov, A. Y.; Kravchenko, T. A.; Aleksandrova, E. F.; Krivneva, G. G.

Abstract: An analysis is made of the thermodynamic principles of the quinone and quinone-hydroquinone and metallic redoxites; a relationship is established between the equilibrium potentials and the degree of oxidative-reduction ...

NASA Center: NASA (non Center Specific)

Publication Year: 1974

Added to NTRS: 2006-08-02

Accession Number: 74N34582; **Document ID:** 19740026469; **Report Number:** NASA-TT-F-15960

Modern achievements of cosmonautics

Author(s): Petrov, B.; Bushuyev, K.

Abstract: Soviet achievements in space exploration and future areas and means of space research are reported. Summaries are given of: automation and computer technology, instrumentation and preliminary results of Lunakhod 2 operation ...

NASA Center: NASA (non Center Specific)

Publication Year: 1975

Added to NTRS: 2005-11-16

Accession Number: 75N22255; Document ID: 19750014183; Report Number: NASA-TT-F-16221

[New problems of ball lightnings](#)

Author(s): Dmitriyev, M. T.

Abstract: Detailed descriptions are given of observations of ball lightning. The possible sources of energy for ball lightning are discussed. These are self-sustaining chemical reactions of the direct oxidation of nitrogen, the ...

NASA Center: NASA (non Center Specific)

Publication Year: 1973

Added to NTRS: 2005-10-20

Accession Number: 73N32289; Document ID: 19730023557; Report Number: NASA-TT-F-15097

[A Course in Celestial mechanics, volume 2](#)

Author(s): Subbotin, M. F.

Abstract: Volume two of a multivolume document is presented and must be regarded as an immediate continuation of the first volume. This volume is concerned with the general theory of perturbative motion, the methods of evaluation of ...

NASA Center: NASA (non Center Specific)

Publication Year: 1974

Added to NTRS: 2005-10-19

Accession Number: 79N20951; Document ID: 19790012780; Report Number: NASA-TT-F-14395, TT-72-58009

[Looking into the future](#)

Author(s): Petrov, B.

Abstract: Review of accomplishments in space exploration and future applications of aerospace technology

NASA Center: NASA (non Center Specific)

Publication Year: 1971

Added to NTRS: 2005-10-10

Accession Number: 71N25219; Document ID: 19710015743; Report Number: NASA-TT-F-13674

[Bioastronautics and extraterrestrial life](#)

Author(s): Moll, H. M.

Abstract: Consideration of bioastronautics and biological exploration of space for determination of extraterrestrial life and origin of life on earth

NASA Center: NASA (non Center Specific)

Publication Year: 1971

Added to NTRS: 2005-10-07

Accession Number: 71N20187; Document ID: 19710010712; Report Number: NASA-TT-F-13467

[Operation of descent module of the Mars-6 automatic interplanetary station in the Martian atmosphere](#)

Author(s): Sokolov, S. S.; Fokin, V. G.; Burtsev, V. P.; Romanov, R. S.; Rozhdestvenskiy, M. K.; Karyagin, V. P.; Borodin, N. F.; Ivannikov, V. F.; Shkirina, V. I.; Nikolayenko, L. V., et al.

Abstract: The descent module of the Mars 6 automatic interplanetary station is discussed as it entered Martian atmosphere at the velocity 5600 m/sec. After aerodynamic braking on attainment of approximately 600 m/sec, the parachute ...

NASA Center: NASA (non Center Specific)

Publication Year: 1975

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Accession Number: 75N23631; Document ID: 19750015559; Report Number: NASA-TT-F-16334

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