

**NEW ELECTRODE MATERIALS WITH INCREASED
LIFETIME FOR THE ALTERNATING CURRENT
PLASMA GENERATORS ***

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The time of continuous operation of the alternating current plasma generator is determined by lifetime of its electrodes.

The paper deals with the research results carried out at development of new materials for the electrodes of the alternating current plasma generators. Up-to-date techniques of electrode material production allow making of composite materials with complex composition. The new kinds of materials allow significant increase in the lifetime and decrease in wear of electrodes and open wide opportunities for further researches.

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2. "High-Voltage Plasma generators of Alternating Current with Rod Electrodes Stationary Operating on Oxidizing media", P.G. Rutberg, I. I. Kumkova, V. E. Kuznetsov, S.D. Popov, A. P. Rutberg, Al. A. Safronov, V. N. Shiryaev and A. V. Surov, 2007 IEEE Pulsed Power Conference (PPPS-2007) Digest of Technical Papers 1976-2007, June 17-20, 2007, Albuquerque, New Mexico, USA, IEEE Catalog Number 07CH37864C, ISBN 1-4244-0914-4, Library of Congress 81-644315, p. 1556-1559
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* Work supported by RFBR grant # 06-08-01026-a