

Burlica Radu – list of papers

Lucrari publicate in reviste cotate ISI cu factor de impact

1. Effects of the Voltage and Current Waveforms and Discharge Power on Hydrogen Peroxide Formation in Water-Spray Gliding Arc Reactors By: **Burlica, Radu**; Finney, Wright C.; Locke, Bruce R., IEEE TRANSACTIONS ON INDUSTRYAPPLICATIONS Volume: 49 Issue: 3 Pages: 1098-1103 Published: MAY-JUN 2013 **Times Cited: 4**

2. Optical Diagnostics of Electrical Discharge Water-Spray Reactors for Chemical Synthesis By: Hsieh, Kevin; **Burlica, Radu**; Locke, Bruce R.

IEEE TRANSACTIONS ON INDUSTRYAPPLICATIONS Volume: 49 Issue: 1 Pages: 305-310 Published: JAN-FEB 2013 **Times Cited: 1**

3. Hydrogen Generation by Pulsed Gliding Arc Discharge Plasma with Sprays of Alcohol Solutions By: **Burlica, Radu**; Shih, Kai-Yuan; Hnatiuc, Bogdan; Locke, Bruce

INDUSTRIAL & ENGINEERING CHEMISTRYRESEARCH Volume: 50 Issue: 15 Special Issue: SI Pages: 9466-9470 Published: AUG 3 2011

Times Cited: 21

4. SPECTROSCOPIC DIAGNOSTIC OF TRANSIENT PLASMA PRODUCED BY A SPARK PLUG By: Hnatiuc, B.; Pellerin, S.; Hnatiuc, E.; **R. Burlica**,

ROMANIA JOURNAL OF PHYSICS,

Volume: 56 Supplement: S Pages: 109-113 Published: 2011 **Times Cited: 1**

5. Bacteria Inactivation Using Low Power Pulsed Gliding Arc Discharges with Water Spray By: **Burlica, R.**; Grim, R. G.; Shih, K. -Y.; D. Balkwill, B. R. Locke

PLASMA PROCESSES AND POLYMERS

Volume: 7 Issue: 8 Pages: 640-649 Published: AUG 23 2010, **Times Cited: 23**

6. Formation of H-2 and H2O2 in a Water-Spray Gliding Arc Nonthermal Plasma Reactor By: **Burlica, R.**; Shih, K-Y; Locke, B. R.

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH

Volume: 49 Issue: 14 Pages: 6342-6349 Published: JUL 21 2010, **Times Cited: 37**

7. Destruction of alkaline cyanides by electric discharges

By: Doubla, A (Doubla, Avely)^[1,2]; Brisset, JL (Brisset, Jean-Louis)^[2]; Moussa, D (Moussa, David)^[2]; Hnatiuc, E (Hnatiuc, Eugen)^[2,3]; **Burlica R.**

RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT

Volume: 11 Issue: 1 Pages: 92-95 Published: MAR 2007 **Times Cited: 3**

8. EFFECT OF ELECTRICAL CURRENT ON H-2/H2O2 GENERATION IN NON-THERMAL PLASMA GLIDING ARC REACTORS

By: **Burlica, Radu**; Hnatiuc, Bogdan Hnatiuc Eugen, M. Ursachi.

ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL

Volume: 10 Issue: 4 Pages: 579-583 Published: APR 2011 **Times Cited: 1**

9. Effect of Pressure on Discharge Initiation and Chemical Reaction in a Liquid-Phase Electrical Discharge Reactor

By: Shih, Kai-Yuan; **Burlica, Radu**; Finney, Wright C.; Locke, R. Bruce

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS Volume: 45 Issue: 2 Pages: 630-637, 2009

10. Pulsed plasma gliding-arc discharges with water spray

By: **Burlica, Radu**; Locke, Bruce R.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS Volume: 44 Issue: 2 Pages: 482-489 Published: 2008 **Times Cited: 36**

11. Formation of reactive species in gliding arc discharges with liquid water

By: **Burlica, R**; Kirkpatrick, MJ; Locke, BR

JOURNAL OF ELECTROSTATICS ,Volume: 64 Issue: 1 Pages: 35-43 Published: JAN 2006 **Times Cited: 118**

12. Organic dye removal from aqueous solution by glidarc discharges

By: **Radu Burlica^a**, **Michael J. Kirkpatrick^a**, **Wright C. Finney^a**, **Ronald Clark^b**, **Bruce R. Locke^a**,
JOURNAL OF ELECTROSTATICS

Volume: 62 Issue: 4 Pages: 309-321 Published: NOV 2004 **Times Cited: 68**

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