

**UNIVERZITA KOMENSKÉHO  
FAKULTA MATEMATIKY, FYZIKY A INFORMATIKY**

**Zoznam publikačnej činnosti**

**RNDr. Mário Janda, PhD.**

**ADC Vedecké práce v zahraničných karentovaných časopisoch**

- ADC01 Morvová, Marcela, st. - Morva, Imrich - Janda, Mário - Hanic, František - Lukáč, Peter : Combustion and carbonisation exhaust utilisation in electric discharge and its relation to prebiotic chemistry  
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- ADC02 Janda, Mário - Hensel, Karol - Martišoviš, Viktor - Morvová, Marcela, st. : Theoretical study of influence of H<sub>2</sub>O on parameters of low-temperature plasmas in humid mixtures  
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Lit. 20 zázn., 5 obr., 1 tab.

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Lit. 6 záz., 1 obr.

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Lit. 34 záz., 11 obr., 2 tab.

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Lit. 47 zázň.

In: Journal of Physical Chemistry A. - Vol. 114, No. 1 (2010), s. 201-208

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ADC10 Janda, Mário 60% - Machala, Zdenko 40%: Imaging of transient spark in atmospheric air by fast iCCD camera

Lit. 5 zázn., 1 obr.

In: IEEE Transactions on Plasma Science. - Vol. 39, No. 11 (2011), s. 2246-2247

ADC11 Janda, Mário 40% - Martišovitš, Viktor 30% - Machala, Zdenko 30%: Transient spark: a dc-driven repetitively pulsed discharge and its control by electric circuit parameters

Lit. 37 zázn. 16 obr.

In: Plasma Sources Science & Technology. - Vol. 20, No. 3, Spec. Iss. SI (2011), Art. No. 035015, s. 1-10  
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ADC12 Janda, Mário 40% - Machala, Zdenko 25% - Niklová, Adriana 15% - Martišovitš, Viktor 20%: The streamer-to-spark transition in a transient spark: a dc-driven nanosecond-pulsed discharge in atmospheric air

Lit. 56 zázn., 11 obr.

In: Plasma Sources Science & Technology. - Vol. 21, No. 4 (2012), Art. No. 045006, s. 1-9

*Ohlasy (1):*

[o1] 2013 Basso, H. C. - Qiu, X. L. - Wirges, W. - Gerhard, R.: Temporal evolution of the re-breakdown voltage in small gaps from nanoseconds to milliseconds. In: Applied Physics Letters, Vol. 102, No. 1, 2013, Art. No. 012904 - SCI ; SCOPUS

#### **ADD Vedecké práce v domácích karentovaných časopisoch**

ADD01 Janda, Mário - Machala, Zdenko - Morvová, Marcela, st. - Franček, Vladimír - Lukáč, Peter : Web-EEDF: Open software for modeling the electron dynamics

Lit. 10 zázn., 5 obr., 2 tab.

In: Acta Physica Slovaca. - Vol. 55, No. 6 (2005), s. 507-514

Grant VEGA 1/0256/03, Grant VEGA 1/2013/05, Grant APVT 027/2001,

#### **AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách**

AEC01 Morvová, Marcela, st. 12% - Martišovitš, Viktor 11% - Morva, Imrich 11% - Košinár, Ivan 11% - Janda, Mário 11% - Kunecová, Daniela 11% - Kolesárová, Nina - Dreninová, Veronika - Morvová, Marcela, ml. : Nonthermal plasma-based system for exhausttreatment under reduced atmosphere of pyrolysis gases

Publikované nové výsledky výskumu

Lit. 10 zázn.

In: Industrial plasma technology : Applications from environmental to energy technologies. - Weinheim : Wiley-VCH, 2010. - S. 105-111. - ISBN 978-3-527-32544-3

#### **AED Vedecké práce v domácích recenzovaných vedeckých zborníkoch, monografiách**

AED01 Janda, Mário 34% - Machala, Zdenko 33% - Laux, Christophe O. : Optical and electrical study of transient spark discharge in air

Lit. 12 zázň., 11 obr.

In: Acta Physica Universitatis Comenianae-New Series, Vol. 50-51, No. 1&2 (2009-2010). - Bratislava : Comenius University Press, 2010. - S. 85-93. - ISBN 978-80-223-2750-3

### **AFA Publikované pozvané príspevky na zahraničných vedeckých konferenciách**

AFA01 Morvová, Marcela, st. - Morva, Imrich - Janda, Mário : Utilisation of CO<sub>2</sub>, fixation of nitrogen and exhaust gas cleaning in electric discharge with electrode catalysis  
In: Diagnostics of Non-Equilibrium High Pressure Plasmas. - Bochum : APP, 2001. - S. 209-212  
[APP Spring Meeting. Bad Honnef, 18.-21.2.2001]

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Lit. 2 zázň., 5 obr.  
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In: 3rd Czech-Russian Seminar on Electrophysical and Thermophysical Processes in Low-Temperature Plasma. - Brno : Faculty of Electrical Engineering and Computer Science Technical University, 1999. - S. 100-103. - ISBN 80-214-1342-5  
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AFC02 Morvová, Marcela, st. - Morva, Imrich - Machala, Zdenko - Janda, Mário : Removal of aromatic ring based VOC using electric discharge and electrode catalysis  
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[o3] 2000 Opalińska, T. - Pawlowski, S. - Sekulska, A.: HAKONE VII, Vol. 2. Greifswald Ernst-Moritz-Arndt-Universität, 2000, S. 388-392

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AGI02 - Machala, Zdenko 35% - Hensel, Karol 10% - Morvová, Marcela, st. 10% - Lukáč, Peter 2% - Hajossy, Rudolf 2% - Foltin, Viktor 2% - Košinár, Ivan 2% - Zahoran, Miroslav 2% - Martišovitš, Viktor 10% - Janda, Mário 10% - Fógelová, Blanka 1% - Jedlovský, Igor 14%: Štúdium fyzikálnych vlastností jednosmerných elektrických výbojov pri atmosférickom tlaku nad vodnou hladinou a testovanie ich plazmochemických a biologických účinkov : Záverečná správa za celú dobu riešenie projektu. - Bratislava :[s.n.], 2008. - 166 s.  
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Záverečná správa,

AGI04 - Hensel, Karol 50% - Machala, Zdenko 20% - Tardiveau, Pierre - Janda, Mário 20%: Mikrovýboje v poréznych dielektrických materiáloch, ich vlastnosti a aplikácia na čistenie výfukových plynov : Záverečná správa o riešení projektu. - Bratislava :[s.n.], 2008. - 168 s.  
Záverečná správa,

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Záverečná správa,

#### **BEF Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných)**

BEF01 Janda, Mário 50% - Martišovitš, Viktor 10% - Hensel, Karol 10% - Dvonč, Lukáš 10% - Machala, Zdenko 20%: Measurement of the electron density in tranient spark discharge  
Lit. 17 zázn., 6 obr.  
In: 19th Symposium on Application of Plasma Processes and Workshop on Plasmas as a Planetary Atmospheres Mimics [elektronický zdroj]. - Bratislava : Department of Experimental Physics FMFI UK, 2013. - S. 84-90 [CD-ROM]. - ISBN 978-80-8147-004-2  
[SAPP 2013 : Symposium on Application of Plasma Processes. 19th, Vrátna, 26.-31.1.2013]  
[Workshop on Plasmas as a Planetary Atmospheres Mimics. Vrátna, 26.-31.1.2013]

#### **DAI Dizertačné a habilitačné práce**

DAI01 Janda, Mário 100%: The study of plasma induced chemistry in gaseous mixture N<sub>2</sub>-CO<sub>2</sub>-H<sub>2</sub>O. - Innsbruck : [s.n.], 2006. - 167 s.  
Doktorandská dizertačná práca (Dr. rer. nat.) - Leopold Franzens University, Innsbruck, 2006

#### **GAI Výskumné štúdie a priebežné správy**

GAI01 - Morvová, Marcela, st. - Morva, Imrich - Machala, Zdenko - Košútová, Zuzana - Janda, Mário :  
Ultrazvukové a korónové prístroje pre liečbu a prevenciu respiračných chorôb a pre čistenie ovzdušia v uzavretých priestoroch : Hodnotiaca správa etapy E3) projektu č. 96-513-IV-04 za rok 1996. - Bratislava : [s.n.], 1997. - 35 s.  
Hodnotiaca správa,

GAI02 - Morvová, Marcela, st. - Morva, Imrich - Machala, Zdenko - Košútová, Zuzana - Janda, Mário :  
Ultrazvukové a korónové prístroje pre liečbu a prevenciu respiračných chorôb a pre čistenie ovzdušia v uzavretých priestoroch : Hodnotiaca správa etapy E3) projektu č. 96-513-IV-04 za rok 1997. - Bratislava : [s.n.], 1998. - 28 s.

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Ročná správa,

GAI04 - Machala, Zdenko - Hensel, Karol - Morvová, Marcela, st. - Lukáč, Peter - Hajossy, Rudolf - Foltin, Viktor - Košinár, Ivan - Zahoran, Miroslav - Martišovits, Viktor - Janda, Mário - Fógelová, Blanka - Jedlovský, Igor : Štúdium fyzikálnych vlastností jednosmerných elektrických výbojov pri atmosférickom tlaku nad vodnou hladinou a testovanie ich plazmochemických a biologických účinkov : Hodnotiaca správa projektu VEGA 1/2013/05. - Bratislava : [s.n.], 2006. - 86 s.  
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**Štatistika kategórií (Záznamov spolu: 67):**

ADC Vedecké práce v zahraničných karentovaných časopisoch (12)  
ADD Vedecké práce v domácich karentovaných časopisoch (1)  
AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách (1)  
AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (1)  
AFA Publikované pozvané príspevky na zahraničných vedeckých konferenciách (2)  
AFC Publikované príspevky na zahraničných vedeckých konferenciách (24)  
AFD Publikované príspevky na domácich vedeckých konferenciách (3)  
AFG Abstrakty príspevkov zo zahraničných konferencií (4)  
AFH Abstrakty príspevkov z domácich konferencií (2)  
AFK Postery zo zahraničných konferencií (3)  
AFL Postery z domácich konferencií (2)  
AGI Správy o vyriešených vedeckovýskumných úlohách (5)  
BEF Odborné práce v domácich nerecenzovaných zborníkoch (konferenčných aj nekonferenčných) (1)  
DAI Dizertačné a habilitačné práce (1)  
GAI Výskumné štúdie a priebežné správy (5)

**Štatistika ohlasov (166):**

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (124)  
[o3] Citácie v zahraničných publikáciách neregistrované v citačných indexoch (34)  
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