

Titlu proiect: Studii privind oxidarea compușilor aromatici substituiți în condiții de atmosferă simulată

Categoria de proiect: PN-II-RU-TE-2014-4-2461

Contractul de finanțare: 305 din 01/10/2015

Manager proiect: CS II dr. Bejan Iustinian Gabriel

Lista rezultate

Nr. crt.	NUME AUTORI	TITLUL ARTICOLULUI/ CĂRȚII / COMUNICĂRII ȘTIINȚIFICE	REVISTA / VOLUMUL/EDITURA IN CARE A APARUT / CONFERINȚA LA CARE S-A COMUNICAT	ANUL PUBLICĂRI I/ COMUNICA RII
ARTICOLE ISI				
1	Negru Giorgia Alina; Olariu Romeo Iulian; Arsene Cecilia	Chemical characteristics of size resolved atmospheric aerosols in Iasi, north-eastern Romania. Nitrogen-containing inorganic compounds controlling aerosols chemistry in the area	Atmospheric chemistry and physics	2017
2	Iustinian G. Bejan, Frank A. Winiberg, Nicholas Mortimer, Diogo J. Medeiros, Charlotte A. Brumby, Stephanie C. Orr, Jamie Kelly, Paul W. Seakins	Gas-phase rate coefficients for a series of alkyl cyclohexanes with OH radicals and Cl atoms	International Journal of Chemical Kinetics, https://doi.org/10.1002/kin.21179	2018
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ARTICOLE ALTE BAZE DE DATE				
1				
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CARTI				
1	Bejan, Iustinian Gabriel	Atmospheric chemistry and the biosphere: general discussion - Faraday Discussions - Atmospheric Chemistry in the Anthropocene	Royal Society of Chemistry. Thomas Graham House, Science Park, Milton Road, Cambridge, UK	978-1-78262-952-8; 2017
n				
COMUNICĂRI ȘTIINȚIFICE NAȚIONALE				
1	Bejan, Iustinian Gabriel, Seakins Paul	Investigations on the isoprene ozonolysis: Product yields formation over temperature range 273-343K	"Alexandru Ioan Cuza" University Days, Iasi, Romania	29/10/2015 - 31/12/2015
2	Bejan, Iustinian Gabriel,	Gas Phase InfraRed Absorption	"Alexandru Ioan Cuza"	27/10/2016 -

	Olariu, Romeo Iulian, Arsene, Cecilia, Roman Claudiu	Cross Sections Determinations for a Series of Aromatic Compound in ESC-Q-UAIC chamber	University Days, Iasi, Romania	29/10/2016
3	Negru, Giorgia Alina, Olariu, Romeo Iulian, Arsene, Cecilia	Vertical transport of continental air masses and their influence on the distribution of size resolved aerosols from Iasi, Romania	"Alexandru Ioan Cuza" University Days, Iasi, Romania	27/10/2016 - 29/11/2016
4	Bejan, Iustinian Gabriel, Olariu, Romeo Iulian, Wenger John	Secondary organic aerosol formation from the OH initiated degradation of hydroxylated aromatic compounds	XXXIV-th Romanian Chemistry Conference, Calimanesti Caciulata, Romania	04/10/2016 - 07/10/2016
5	Olariu, Romeo Iulian, Arsene, Cecilia, Bejan, Iustinian Gabriel	Newly designed simulation chamber for atmospheric chemistry investigations	XXXIV-th Romanian Chemistry Conference, Calimanesti Caciulata, Romania	04/10/2016 - 07/11/2016
6	Bejan, Iustinian Gabriel; Olariu, Romeo Iulian; Arsene, Cecilia; Marin Sebastian Laurentiu	Cinetica reactiei in faza gazeasa a 2,6-dimetil fenolului cu radicalii OH utilizand tehnica FTIR	Sesiunea de comunicari stiintifice a studentilor, masteranzilor si doctoranzilor, "Chimia-frontiera deschisa spre cunoastere", Editia VII, Rezumate, Iasi, Romania	24/06/2016 - 24/06/2016
7	Negru, Giorgia Alina; Olariu, Romeo Iulian; Arsene, Cecilia	Size distributions of water soluble aluminum and magnesium in atmospheric aerosols from Iasi, Romania	The 8th Scientific Session of Undergraduate, Master and PhD Students, Iasi, Romania	30/06/2017 - 30/06/2017
8	Bejan, Iustinian Gabriel	Aromatic Hydrocarbon Contribution to the Secondary Organic Aerosol Formation in Urban Atmosphere	IasiCHEM 2017, Iasi, Romania	26/10/2017 - 28/10/2017
9	Roman Claudiu; Bejan, Iustinian Gabriel; Arsene, Cecilia; Olariu, Romeo Iulian	FT-IR gas-phase products study of OH radicals initiated photooxidation of phenol	IasiCHEM 2017, Iasi, Romania	26/10/2017 - 28/10/2017
10	Maftai, Dan; Kleffmann Joerg; Wiesen Peter; Olariu, Romeo Iulian; Bejan, Iustinian Gabriel	New approach on the formation of HONO from the ortho-nitrotoluene ground (S0) and lowest triplet (T1) states. Insight from theory	IasiCHEM 2017, Iasi, Romania	26/10/2017 - 28/10/2017
COMUNICARI STIINTIFICE INTERNATIONALE				
1	Bejan, Iustinian Gabriel, Olariu, Romeo Iulian, Arsene, Cecilia	Atmospheric chemistry investigations in a newly designed gas phase simulation chamber (ESCQ-UAIC)	the 3rd International Conference on Analytical Chemistry, Iasi, Romania	28/08/2016 - 31/08/2016
2	Bejan, Iustinian Gabriel, Olariu, Romeo Iulian,	Atmospheric chemistry of nitroaromatics: new	the 3rd International Conference on Analytical Chemistry, Iasi, Romania	28/08/2016 - 31/08/2016

	Kleffmann Jörg, Wiesen Peter	discoveries on their photolysis		
3	Bejan, Iustinian Gabriel; Duncianu, Marius; Arsene, Cecilia; Olariu, Romeo Iulian; Barnes Ian; Wiesen Peter; Sekins Paul	Kinetic study of the gas-phase reactions of chlorine atoms with 2-chlorophenol, 2- nitrophenol and ortho-, meta- and para-cresol	24th International Symposium on Gas Kinetics and Related Phenomena, York, UK	17/07/2016 - 21/07/2016
4	Bejan, Iustinian Gabriel; Marin Sebastian Laurentiu; Duncianu, Marius; Arsene, Cecilia; Olariu, Romeo Iulian	Validation of a Newly Designed Simulation Chamber (ESCQ-UAIC) Using Gas Phase Investigations on Aromatic Compounds	24th International Symposium on Gas Kinetics and Related Phenomena, York, UK	17/07/2016 - 21/07/2016
5	Bejan, Iustinian Gabriel; Farugia Luke; Smith Shona; Medeiros Diogo J.; Seakins Paul	Revised structure activity parameters derived from new rate coefficient determinations for the reactions of chlorine atoms with a series of seven saturated ketones at 290 K and 1 atm	24th International Symposium on Gas Kinetics and Related Phenomena, York, UK	17/07/2016 - 21/07/2016
6	Bejan, Iustinian Gabriel; Seakins Paul; Medeiros Diogo, J.	Relative rate and product studies of the dimethyl ether and diethyl ether reactions with chlorine atoms	24th International Symposium on Gas Kinetics and Related Phenomena, York, UK	17/07/2016 - 21/07/2016
7	Negru, Georgiana Alina; Olariu, Romeo Iulian; Arsene, Cecilia	Mass concentrations and chemical composition of size resolved atmospheric aerosols in the north-eastern Romania, Iasi region	Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCCE I), Cluj, Romania	12/05/2016 - 14/05/2016
8	Marin Sebastian Laurentiu; Negru, Georgiana Alina; Mardare, Georgiana; Bejan, Iustinian Gabriel; Olariu, Romeo Iulian; Arsene, Cecilia	Gas-phase kinetic study of the radical reactions with mesitylene in the newly designed ESCQAIC chamber	Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCCE I), Cluj, Romania	12/05/2016 - 14/05/2016
9	Mardare (cas. Balusescu), Georgiana; Olariu, Romeo Iulian; Arsene, Cecilia	Gas chromatography - mass spectrometry analysis of a lignin marker and an indirect contributor to secondary organic aerosols in the atmosphere: p-vinylguaiacol in datura innoxia	Young Researchers' International Conference on Chemistry and Chemical Engineering (YRICCCE I), Cluj, Romania	12/05/2016 - 14/05/2016
10	Olariu, Romeo Iulian; Marin Sebastian Laurentiu; Roman Claudiu; Bejan, Iustinian	Gas phase kinetic study of OH radical Reactions with Selected Alkylaromatic Compounds	Atmospheric Chemical processes: Interactions and Impacts, Clermont Ferrand, France	19/06/2017 - 21/06/2017

	Gabriel; Arsene, Cecilia			
11	Bejan, Iustinian Gabriel; Olariu, Romeo Iulian; Arsene, Cecilia; Wenger John; Barnes Ian; Wiesen Peter	INVESTIGATIONS ON THE GAS-PHASE CHLORINE ATOM INITIATED OXIDATION OF 1,4- BENZOQUINONES AND 1,2- DIHYDROXYBENZENES	Atmospheric Chemical processes: Interactions and Impacts, Clermont Ferrand, France	19/06/2017 - 21/06/2017
12	Bejan, Iustinian Gabriel; Kourtchev Ivan; Wenger John; Barnes Ian; Wiesen Peter	Formation of polycarbonyl compounds from the OH initiated oxidation of dimethylbenzoquinones	Atmospheric Chemical processes: Interactions and Impacts, Clermont Ferrand, France	19/06/2017 - 21/06/2017
13	Bejan, Iustinian Gabriel; Duncianu, Marius; Olariu, Romeo Iulian; Barnes Ian	Atmospheric chemistry of nitrophenols. Reaction with the chlorine atoms	Atmospheric Chemistry in the Anthropocene, York, United Kingdom	22/05/2017 - 24/05/2017
14	Bejan, Iustinian Gabriel; Olariu, Romeo Iulian; Barnes Ian; Wiesen Peter	Atmospheric Chemistry of Catechol. Product Studies and Mechanistic Investigations	20th Romanian International Conference on Chemistry and Chemical Engineering, Poiana Brasov, Romania	06/09/2017 - 09/09/2017
ATLASE, DICTIONARE DE SPECIALITATE				
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CERERI BREVET DE INVENTII/BREVET OBTINUT				
ALTE rezultate				
1		Raport stiintific sintetic proiect	https://sites.google.com/site/sosaromatic/	
2	Stud. master - Claudiu Roman Coordonator Prof. dr. univ. habil. Romeo Iulian Olariu	Teza master: Determinarea sectiunilor eficace de absorbtie in faza gazoasa pentru o serie de hidrocarburi aromatice folosind spectroscopia de absorbtie in infrarosu cu drum optic marit	Universitatea "Alexandru Ioan Cuza" Iasi	2016
3	Stud. master – Sebastian Marin Coordonator Prof. dr. univ. habil. Romeo Iulian Olariu	Teza master: Degradarea fotochimica in faza gazoasa a unor hidrocarburi aromatice	Universitatea "Alexandru Ioan Cuza" Iasi	2017

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Director proiect,
CS II dr. Bejan Iustinian Gabriel

