CURRICULUM VITAE

PERSONAL RECORD

Family name: Angulo Núñez.

First name: Gonzalo Manuel.

Place and date of birth: Sevilla, Spain, Dec. 28th 1973.

Nationality: Spanish (D.N.I. 28916383-R).

Marital status: married.

Academic degree: dr hab. by the IPC (PAS) since 2015 and PhD in Natural Sciences by the Graz University of Technology since April 2003.

Address: Institute of Physical Chemistry, Polish Academy of Sciences, 44/52 Kasprzaka, 01-224 Warsaw, Poland.

Tel.: +48-(0)22-343-2086

E-mail: gonzalo_m_angulo@yahoo.es *or* gangulo@ichf.edu.pl

ORCID ID: 0000-0002-6484-1795.

UNIVERSITY STUDIES

December 7th 2015. Habilitation in Chemistry by the Institute of Physical Chemistry of the Polish Academy of Sciences (IPC (PAS)).

April 11th 2003. PhD in Natural Science by the Graz University of Technology with the degree "Ausgezeichnet" (the highest available). Tittle of the defended thesis: *Experimental Observations of Non-Markovian Effects on Diffusion-Influenced Photoinduced Electron Transfer Reactions.*

1998-2003. Doctoral studies under the supervision of Prof. Guenter Grampp in the Physical and Theoretical Chemistry Institute, Graz University of Technology.

1996-1998. Post-graduated studies under the supervision of Prof. Manuel Balón Almeida obtaining the "Suficiencia Investigadora" (Research Competence) in the Physical Chemistry Department of the Sevilla University.

1991-1996. University Degree studies in Chemistry at the Sevilla University.

LANGUAGE SKILLS

Spanish: Mother language.

English: Good written and spoken level. Highest degree: Cambridge Advanced Certificate.

French: Good written and spoken level. Highest degree: Degrèe Elementaire de la Langue Française.

German: Good spoken level.

Polish: Middle knowledge.

WORKING RECORD

2016-present. Associate Professor at the IPC (PAS).

2015-present. Head of the research group "Dynamics of excited state chemical reactions in condensed media" in IPC (PAS).

06.2007-2016. Adjunct in the Department of Photochemistry of the IPC (PAS). Marie-Curie fellowship within the SolarNtype Research Training Network (until 03.2010). Habilitation grant financed by the IPC (PAS) from 01.2010.

12.2006-05.2007. Assistant at the Physical Chemistry Department, University of Geneva (Switzerland).

10.2005-09.2006. Research assistant at the Physical Chemistry Department, University of Castilla-La Mancha (Spain).

10.2004-09.2005. Assistant at the Physical Chemistry Department, University of Geneva (Switzerland).

10.2003-09.2004. Assistant at the Physical and Theoretical Chemistry Institute of the Graz University of Technology (Austria).

10.2002-03.2003. Grant awarded by the Austrian Ministry of Science for the elaboration of a proposal to the Alfa Programme of the EC coordinated by the Physical and Theoretical Chemistry Institute, Graz University of Technology (Austria).

10.1998-09.2002. Assistant at the Physical and Theoretical Chemistry Institute of the Graz University of Technology (Austria).

SHORT STAYS AT OTHER RESEARCH INSTITUTIONS

11.2016 Invited by Prof. E. Vauthey to the Institute of Physical Chemistry of the University of Geneva, sponsored by the University of Geneva.

12.2013 Invited by Prof. E. Vauthey to the Institute of Physical Chemistry of the University of Geneva, sponsored by FP7-REGPOT-CT-2011-285949-NOBLESSE.

11.2013 Scientific visit to the group of Prof. G. Grampp of the Graz University of Technology, in the frame of the grant 002/2012/2013/2014 8557/R 12/R 14 of cooperation between Poland and Austria.

11.2012 Scientific visit to the group of Prof. G. Grampp of the Graz University of Technology, in the frame of the grant 002/2012/2013/2014 8557/R 12/R 14 of cooperation between Poland and Austria.

06.2012 Invited by Prof. Bruno Martinez Haya to deliver a PhD course within the Doctorate Program "Biotechnology and Chemica1 Technology" of University Pablo de Olavide of Sevilla (Spain).

03.2012. Invited by Prof. E. Vauthey to the Institute of Physical Chemistry of the University of Geneva, sponsored by FP7-REGPOT-CT-2011-285949-NOBLESSE.

09.2011. Invited by Prof. G. Grampp to the Institute of Physical and Theoretical Chemistry of the Graz University of Technology.

05.2010. Invited by Prof. E. Vauthey to the Institute of Physical Chemistry of the University of Geneva.

01.2010. Invited by the Prince of Songkla University, Hat Yai (Thailand).

05.2009. Invited by Prof. G. Grampp to the Institute of Physical and Theoretical Chemistry of the Graz University of Technology.

05.2008. Invited by Prof. Antonio Fernández Barbero to the Department of Applied Physics of the University of Almería.

05.2008. Invited by Prof. G. Grampp to the Institute of Physical and Theoretical Chemistry of the Graz University of Technology.

06.2003. Invited by Prof. Anatoly I. Burshtein to the Chemical Physics Department of the Weizmann Institute of Science.

05.2003. Invited by Prof. Andrzej Kapturkiewicz to the Institute of Physical Chemistry of the Polish Academy of Science.

03.2003. Invited by Prof. C. Previtali to the Departamento de Química, Universidad de Río Cuarto, Argentina.

03.2003. Invited by Prof. M.V. Encinas to the Universidad de Santiago de Chile.

03.2003. Invited by Prof. M.G. Neumann, Instituto de Química de Sao Carlos, Universidade de Sao Paulo, Brasil.

07.2002. Invited by Prof. Nikita Lukzen to the International Tomography Centre of Novosibirsk.

05.2001. Invited by Prof. Anatoly I. Burshtein to the Chemical Physics Department of the Weizmann Institute of Science.

05.2000. Invited by Prof. Andrzej Kapturkiewicz to the Institute of Physical Chemistry of the Polish Academy of Science.

MEETING PRESENTATIONS
(ONLY INCLUDED THOSE AS FIRST AUTHOR)

09.2018. Invited talk at the PULS/RKCM-2018, Lodz (Poland).

02.2018. Plenary lecture (together with Dr. A. Rosspeintner) at the Central European Conference on Photochemistry, Badhofgastein (Austria).

07.2017. Oral communication and poster at the International Conference on Photochemistry, Strasbourg (France).

06.2017. Invited lecture at the IX International Voevodsky Conference Physics and Chemistry of Elementary Chemical Processes, Novosibirsk (Russia).

05.2017. Invited seminar at the Mark Kac Complex Systems Research Center of the Jagiellonian University, Krakow (Poland).

09.2016. Posters at the Faraday Discussion Meeting on Reaction Rate Theory, Cambridge (UK).

09.2016. Plenary lecture at the festivities of retirement of Prof. Günter Grampp, Graz (Austria).

08.2016. Invited talk at the Regional Interdisciplinary Conference – Humboldt Kolleg «Energy conversion: from nature to technology», Novosibirsk (Russia).

07.2015. Poster at the conference Femtochemistry 12, Hamburg (Germany).

04.2015. Invited seminar at the Adam Mickiewicz University, Poznan (Poland).

07.2014. Oral communication at meeting Reaction Kinetics in Soft and Condensed Matter 2014, Orleans, (France).

05.2014. Poster presentation at the 11th Nordic Femtochemistry Conference, Vilnius, (Lithuania).

09.2013. Oral communication at the Autumn Meeting of the Polish Photochemistry Group, Zakopane (Poland).

07.2013. Oral communication at the International Conference on Photochemistry, Leuven (Belgium).

09.2012. Poster at the RKCM conference, Lochow (Poland).

10.2011. Invited seminar at Polish Society for Radiation Research, Branch in Lodz, Lodz (Poland).

09.2011. Invited lecture at the Molecules and Light meeting of the polish branch of EPA, Zakopane (Poland).

06.2011. Oral communication at the Polish Photoscience Seminar, Krutyn (Poland).

09.2010. Invited lecture at the RKCM conference, Moscow (Russia).

01.2010. Invited lecture at the PACCON conference, Ubon Ratchathani (Thailand).

08.2009. Two oral communications at the "International Russian-Austrian seminar on exploiting spin coherence of radical pairs for detection of elusive radical species" in Novosibirsk (Russia).

12.2008. Oral communication at the Polish Photoscience Seminar, Warsaw (Poland).

02.2008. Oral communication and poster at the Central European Conference on Photochemistry in Hofgastein (Austria).

02.2008. Poster at the International Symposium Towards Organic Photovoltaics in the Field of Organic and Dye Sensitized Solar Cells, Linz (Austria).

05.2007. Oral communication at the Bunsentagung in Graz (Austria).

08.2006. Oral communication and two posters at the Workshop on Diffusion Assisted Reactions (DAR) in Novosibirsk (Russia).

03.2006. Oral communication and poster at the Central European Conference on Photochemistry in Hofgastein (Austria).

06.2005. Oral communication at the Novel Experimental Techniques and Instrumentation Workshop, organised by the Center (of excellence) for Photoactive Materials, Lesko (Poland).

08.2004. Oral communication at the Workshop on Diffusion Assisted Reactions (DAR) in Seggau-Graz (Austria).

07.2004. Oral communication at the XX IUPAC Symposium on Photochemistry, Granada (Spain).

03.2004. Oral communication at the Austrian - German - Hungarian - Swiss - Tetranational Symposium 07.-11.03.2004 In Bad Gastein (Austria).

06.2003. Oral communication at the Supramolecular Chemistry and Photoactive Materials Workshop, organised by the Center (of excellence) for Photoactive Materials, Bialowieza (Poland).

05.2002. Poster. Bunsentagung. Postdam (Germany).

04.2002. Poster. Chemie Tagung. Linz (Austria).

09.2002. Poster. Annual meeting of the fast reactions in solution discussion group, Royal Society of Chemistry (FRIS) in Istanbul (Turkey).

08.2002. Oral communication. Workshop on Diffusion Assisted Reactions (DAR) in Seoul (South Korea).

07.2002. Poster. VI Voevodsky Conference on Physics and Chemistry of Elementary Chemical Processes in Novosibirsk (Russia).

09.2001. Poster. 37. Symposium für Theoretische Chemie in Bad Herrenalb (Germany).

06.2001. 2 Posters. FRIS in Versailles (France).

03.2001. Poster. 3rd Prague's Workshop on Molecular Photophysics and Dynamics in Prag (Czech Republic).

05.2001. Poster. 100 Bunsentagung in Stuttgart (Germany).

09.2000. Poster. DAR in Volgograd (Russia).

09.2000. Oral communication. Spectroscopy and Theory in Science and Technology in Graz (Austria).

08.2000. Poster. FRIS in Durham (UK).

06.2000. Poster. Bunsentagung. Wurzburg (Germany).

10.1999. Poster. 16. Vortragstagung der GDCh-Fachgruppe Photochemie mit Sonderforum Informationstechnologie in München (Germany).

09.1999. Poster. Bunsentagung in Dortmund (Germany).

03.1999. Poster. DAR in Revohot (Israel).

09.1998. Poster. XVI Reunión Nacional de Espectroscopia. Sevilla (Spain).

PAPERS IN REFERRED INTERNATIONAL JOURNALS

(TOTAL CITATIONS: >1300, H-INDEX: 20)

[57] Recalling the effect of fluorescence anisotropy on the measurement of quantum yields. Gonzalo Angulo, Pakorn Pasitsuparoad. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **2022**, *269*, 120751.

[56] First events in the coil-to-globule transition of PVME in water: An ultrafast temperature jump–time-resolved elastic light scattering study. Marcin Pastorczaka, Michał Nejbauer, Naoki Shinyashiki, Masanobu Takatsuka, Gonzalo Angulo, Yuriy Stepanenko, Czesław Radzewicz. *Journal of Colloid and Interface Science*, **2022**, *608*, 2018-2024.

[55] Some aspects about time broadening in fluorescence up-conversion measurements. Gonzalo Angulo, Tomasz M. Kardaś, Héctor Rodríguez-Rodríguez. *Review of Scientific Instruments*, **2021**, *92*(6), 063003.

[54] How relevant is anisotropy in bimolecular electron transfer reactions in liquid crystals? Pakorn Pasitsuparoad, Gonzalo Angulo. *Journal of Molecular Liquids*, **2021**, *323*, 114641.

[53] Bimolecular photo-induced electron transfer enlightened by diffusion. Gonzalo Angulo, Arnulf Rosspeintner. *Journal of Chemical Physics*, **2020**, *153*(4), 040902.

[52] Theory of fluorescence spectrum dynamics and its application to determining the relaxation characteristics of the solvent and intramolecular vibrations. Roman G.Fedunov, Igor P. Yermolenko, Alexey E.Nazarov, Anatoly I. Ivanov, Arnulf Rosspeintner, GonzaloAngulo. *Journal of Molecular Liquids*, **2020**, *298*, 112016.

[51] Effect of symmetric and asymmetric substitution on the optoelectronic properties of 9,10-dicyanoanthracene. Arnulf Rosspeintner, Florian Glöcklhofer, Pakorn Pasitsuparoad, Simon Eder, Johannes Fröhlich, Gonzalo Angulo, Eric Vauthey, and Felix Plasser, *Molecular Systems Design & Engineering* **2019**, ,**4**, 951-961.

[50] Frustrated excited state intramolecular proton transfer (ESIPT) in 10-hydroxy-11H-benzo[b]fluoren-11-one: Synthesis and photophysics. Joanna Piechowska, Gonzalo Angulo, *Dyes and Pigments* **2019**, *165*, 346-353.

[49] Salt Effect in Ion-Pair Dynamics after Bimolecular Photoinduced Electron Transfer in a Room-Temperature Ionic Liquid. A. Rosspeintner, M. Koch, G. Angulo, E. Vauthey *J. Phys. Chem. Lett.* **2018**, *9*, 7015−7020

[48] Optical transient absorption experiments reveal the failure of formal kinetics in diffusion assisted electron transfer reactions. Gonzalo Angulo, Arnulf Rosspeintner, Bernhard Lang and Eric Vauthey *Physical Chemistry Chemical Physics*, **2018**, *20*, 25531- 25546.

[47] How good is the generalized Langevin equation to describe the dynamics of photo-induced electron transfer in fluid solution? Gonzalo Angulo, Jakub Jedrak, Anna Ochab-Marcinek,, Pakorn Pasitsuparoad, Czeslaw Radzewicz, Pawel Wnuk, Arnulf Rosspeintner *Journal Of Chemical Physics* **2017**, *146*, 244505.

[46] Electron transfer in silicon-bridged adjacent chromophores: the source for blue-green emission. Malgorzata Bayda, Gonzalo Angulo, Gordon L. Hug, Monika Ludwiczak, Jerzy Karolczak, Jacek Koput, Jacek Dobkowski, Bronislaw Marciniak *Physical Chemistry Chemical Physics*, **2017**, *19*, 11415.

[45] Influence of the excitation light intensity on the rate of fluorescence quenching reactions: pulsed experiments. Gonzalo Angulo, Jadwiga Milkiewicz, Daniel Kattnig, Michal Nejbauer, Yuriy Stepanenko, Jan Szczepanek, Czeslaw Radzewicz, Pawel Wnuk, Guenter Grampp *Physical Chemistry Chemical Physics*, **2017**, *19*, 6274.

[44] Comment on "Observation of the Marcus Inverted Region for Bimolecular Photoinduced Electron-Transfer Reactions in Viscous Media". Gonzalo Angulo, Arnulf Rosspeintner, Marius Koch, Eric Vauthey *Journal of Physical Chemistry B*, **2016**, *120*, 9800.

[43] Characterization of dimethylsulfoxide/glycerol mixtures: a binary solvent system for the study of "friction-dependent" chemical reactivity. Gonzalo Angulo, Marta Brucka, Mario Gerecke, Guenter Grampp, Damien Jeannerat, Jadwiga Milkiewicz, Yavor Mitrev, Czeslaw Radzewicz, Arnulf Rosspeintner, Eric Vauthey, Pawel Wnuk *Physical Chemistry Chemical Physics*, **2016**, *18*, 18460.

[42] Bimolecular Photoinduced Electron Transfer Beyond the Diffusion Limit: The Rehm−Weller Experiment Revisited with Femtosecond Time Resolution. Arnulf Rosspeintner, Gonzalo Angulo, Eric Vauthey *Journal of the American Chemical Society*, **2014**, *136* ,2026.

[41] Energy Transfer from the Excited ^{3}*MLCT States to Organic Acceptors – Solvent Effect Studies. Jędrzej Solarski, Gonzalo Angulo, Andrzej Kapturkiewicz *Journal of Photochemistry and Photobiology A*, **2014**, *274*, 73.

[40] Synthesis and Characterization of Heteroleptic Cyclometalated Divalent Osmium $Os[P(C_6H_5)_3]_2(CO)(N\cap C^-)Cl$ Complexes. Agnieszka Woźna, Andrzej Kapturkiewicz, Gonzalo Angulo *Inorganic Chemistry Communications*, **2013**, *37*, 26.

[39] Experimental Evidence of the Relevance of Orientational Correlations in Photoinduced Bimolecular Reactions in Solution. Gonzalo Angulo, Alejandro Cuetos, Arnulf Rosspeintner, and Eric Vauthey, *Journal of Physical Chemistry A*, **2013**, *117*, 8814.

[38] Driving Force Dependence of Charge Recombination in Reactive and Nonreactive Solvents. Arnulf Rosspeintner, Gonzalo Angulo, and Eric Vauthey, *Journal of Physical Chemistry A*, **2012**, *116*, 9473.

[37] Spurious Observation of the Marcus Inverted Region in Bimolecular Photoinduced Electron Transfer. A. Rosspeintner, M. Koch, G. Angulo, E. Vauthey, *Journal of the American Chemical Society,* **2012**, *134*, 11396.

[36] Bimolecular Photoinduced Electron Transfer in Imidazolium-Based Room-Temperature Ionic Liquids is not Faster than in Conventional Solvents. M. Koch, A. Rosspeintner, G. Angulo, E. Vauthey. *Journal of the American Chemical Society,* **2012**, *134*, 3729.

[35] Luminescence properties of diamino-dicyano substituted benzene and 1,4-pyrazine. G. Angulo, J. Dobkowski, A. Kapturkiewicz. *Journal of Photochemistry and Photobiology A: Chemistry,* **2011**, *225*, 52.

[34] Comment to “Exothermic Rate Restrictions in Long-Range Photoinduced Charge Separations in Rigid Media”. G. Angulo, A. Rosspeintner, E. Vauthey. *Journal of Physical Chemistry A,* **2011**, *115*, 7858.

[33] Donor-Substituted Diphenylacetylene Derivatives Act as Electron Donors and Acceptors. C. Onitsch, A. Rosspeintner, G. Angulo, M. Griesser, M. Kivala, B. Frank, F. Diederich, G. Gescheidt. *Journal of Organic Chemistry,* **2011**, *76*, 5628 .

[32] Synthesis and Photophysical Properties of 2,6-dicyano-p-phenylenediamine. M. Zahid, A. Rosspeintner, G. Angulo, G. Grampp, P. Jacques, A. Mansha. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, *220*, 54.

[31] Time-resolved Luminescence Investigations of the Reversible Energy Transfer from the Excited ^{3*}MLCT States to Organic Acceptors. J. Solarski, G. Angulo, A. Kapturkiewicz. *Journal of Photochemistry and Photobiology A: Chemistry* **2011**, *218*, 58.

[30] Photophysics and Electrochemistry of Quinoxaline Chromophores Decorated with Thiophene or Furane Subunits. G. Angulo, J. Dobkowski, A. Kapturkiewicz, K. Maciołek. *Journal of Photochemistry and Photobiology A: Chemistry* **2010**, *213*, 101.

[29] Photophysics of two Prototypical Molecular-Wire Building Blocks: Solvent-Induced Conformational Dynamics? A. Rosspeintner, G. Angulo, C. Onitsch, M. Kivala, F. Diederich, G. Grampp and G. Gescheidt *ChemPhysChem* **2010**, *11*, 1700.

[28] On the coherent description of diffusion influenced fluorescence quenching experiments II: ultrafast experiments. G. Angulo, D. Kattnig, A. Rosspeintner, G. Grampp and E. Vauthey. *Chemistry: A European Journal* **2010**, *16*, 2291.

[27] Ultrafast Decay of the Excited Singlet States of Thioxanthone by Internal Conversion and Intersystem Crossing. G. Angulo, J. Grilj, E. Vauthey, and L. Serrano-Andrés, O. Rubio-Pons and P. Jacques. *ChemPhysChem* **2010**, *11*, 480.

[26] Viscosity dependence of the rubrene fluorescence quenching by organic radicals via energy transfer. G. Grampp, M. Justinek, S. Landgraf, G. Angulo and N.N. Lukzen. *Photochem. Photobiol. Sci.* **2009**, *8*, 1595.

[25] Electrochemiluminescence Studies of Phosphine Chelated Osmium(II) Complexes. G. Angulo, A. Kapturkiewicz, S.-Y. Chang and Y. Chi. *Inorganic Chemistry Communications*. **2009**, *12*, 378.

[24] Cyclic voltammetry studies of N-type polymers with non-alternant fluoranthene units. G. Angulo, A. Kapturkiewicz, L. Lutsen and A. Palmaerts. *Electrochimica Acta* **2009**, *54*, 1584.

[23] Intramolecular charge transfer dynamics in covalently linked perylene-dimethylaniline and cyanoperylene-dimethylaniline. N. Banerji, G. Angulo, I.I. Barabanov and E. Vauthey. *Journal of Physical Chemistry A*, **2008**, *112*, 9665.

[22] Spectroscopic characteristics of a novel highly fluorescent p-phenylenediamine: tetracyano-p-phenylenedimamine. G. Angulo, G. Grampp, J. Grilj, P. Jacques, S. Landgraf and A. Rosspeintner. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, *199*, 204.

[21] The Rehm-Weller experiment in the view of distant electron transfer. A. Rosspeintner, D. Kattnig, G. Angulo, S. Landgraf and G. Grampp. *Chemistry-A European Journal,* **2008**, *14*, 6213.

[20] Practical examples on the correct representation of electronic spectra. G. Angulo. *EPA Newsletters* **2007**, *78*, 26.

[19] On the coherent description of diffusion influenced fluorescence quenching experiments. A. Rosspeintner, D. Kattnig, G. Angulo, S. Landgraf, G. Grampp and A. Cuetos. *Chemistry-A European Journal* **2007**, *13*, 6474.

[18] Observation of three behaviors in confined liquid water within a nanopool hosting proton-transfer reactions. A. Douhal, G. Angulo, M. Gil, J. A. Organero, M. Sanz, and L. Tormo. *Journal of Physical Chemistry B* **2007**, *111,* 5487.

[17] Production of Free Radicals and Triplets from contact radical pairs and from photochemically generated radical-ions. V.S. Galkikh, G. Angulo and A.I. Burshtein. *Journal of Physical Chemistry A* **2007**, *111,* 3458.

[16] Probing the Behavior of Confined Water by Proton-Transfer Reactions. G. Angulo, J. A. Organero, M. A. Carranza, and A. Douhal. *Journal of Physical Chemistry B* **2006**, *110,* 24231.

[15] Recalling the appropriate representation of electronic spectra. G. Angulo, G. Grampp and A. Rosspeintner. *Spectrochimica Acta A* **2006**, *65*, 727.

[14] Ultrafast Solvation Dynamics of Coumarin 153 in Imidazolium-Based Ionic Liquids. B. Lang, G. Angulo and E. Vauthey. *Journal of Physical Chemistry A* **2006**, *110*, 7028.

[13] Photophysical and Photochemical Properties of 2,6-dicyano-N,N,N',N'-tetramethyl-*p*-phenylenediamine. A. Rosspeintner, G. Angulo, M. Weglhofer, S. Landgraf and G. Grampp. *Journal of Photochemistry and Photobiology A: Chemistry* **2006***, 183,* 225.

[12] Kinetics and yields of electron transfer in the inverted region. V. Gladkikh, A.I. Burshtein, G. Angulo, S. Pagès, B. Lang and E. Vauthey. *Journal of Physical Chemistry A* **2004**, *108,* 6667.

[11] Extremely Efficient Electrochemiluminescence Systems Based on tris(2-phenylpyridine)iridium(III) Complex. A. Kapturkiewicz and G. Angulo. *Dalton Transactions* **2003**, *20*, 3907.

[10] Delayed fluorescence due to annihilation of triplets produced in recombination of photo-generated ions. G. Angulo, G. Grampp, A. A. Neufeld and A. I. Burshtein. *Journal of Physical Chemistry A* **2003**, *107*, 6913.

[9] Quantum yields of singlet and triplet recombination products of singlet radical ion pairs. V.S. Gladkikh, A.I. Burshtein, G. Angulo and G. Grampp. *Physical Chemistry Chemical Physics* **2003**, *5*, 2581.

[8] Electron transfer quenching and electrochemiluminescence comparative studies of the systems containing N-methylpyridinium cations and Ru(2,2'-bipyridine)(3)(2+) or Ru(1,10-phenathroline)(3)(2+) complexes. A. Kapturkiewicz, P. Szrebowaty, G. Angulo and G. Grampp. *Journal of Physical Chemistry A* **2002**, *106*, 1678.

[7] Viscosity dependence of geminate recombination efficiency after bimolecular charge separation. A.A. Neufeld, A.I. Burshtein, G. Angulo and G. Grampp. *Journal of Chemical Physics* **2002**, *116*, 2472.

[6] Electronic spectra and photophysics of delta-carboline (5H-pyrido[3,2-b]indole). M. Balon, G.

Angulo, C. Carmona, M.A. Munoz, P. Guardado and M. Galan. *Chemical Physics* **2002**, *276*, 155.

[5] Kinetic study of hydrogen bonded exciplex formation of N-9-methylharmane. C. Carmona, M. Balon, M. Galan, G. Angulo, P. Guardado and M.A. Munoz. *Journal of Physical Chemistry A* **2001**, *105,* 10334.

[4] Experimenal investigations on the viscosity effects on photoinduced electron transfer reactions in solution. G. Angulo, G. Grampp, S. Landgraf and J. Sobek. *Journal of Information Recordings* **2000**, *25*, 381.

[3] Ground and singlet excited state hydrogen bonding interactions of betacarbolines. C. Carmona, M. Galan, G. Angulo, M.A. Munoz, P. Guardado and M. Balon. *Physical Chemistry Chemical Physics* **2000**, *2*, 5076.

[2] Some remarks on the application of relaxation techniques to chemical equilibria. M. Galan, and G. Angulo. *Chemical Physics* **2000**, *254*, 329.

[1] An Experimental and Theoretical Study on the Prototropic Equilibria of the Four Carboline Isomers. G. Angulo, M. Carmona, R.R. Pappalardo, M.A. Munoz, P. Guardado, E. Sanchez Marcos and M. Balon. *Journal of Organic Chemistry* **1997**, *62*, 5104.

PARTICIPATION IN PROJECTS

2020-. Main researcher of the project *Fast chemical reactions in gels* (2019/33/B/ST4/01443) granted in the OPUS 17 program by the National Science Centre of Poland.

2014-2019. Main researcher of the project *Ultrafast events in photoinduced bimolecular reactions in restricted media of biological and technological relevance* (2013/10/E/ST4/00534) granted in the Sonata bis 3 program by the National Science Centre of Poland.

2013-2016. Main researcher of the project *Influence of excitation light intensity on the rate of fluorescence quenching reactions* (2012/06/M/ST4/00037) granted in the Harmonia program by the National Science Centre of Poland.

04.2012-04.2014. Polish coordinator of the Austria-Polish cooperation project *Understanding of the interplay between diffusion and electron transfer: extreme illumination conditions and high repetition laser pulses. Light up-conversion by chemical energy transfer*. Program for the Exchange of Persons between Austria and Poland 2012-14. Granted by the Polish Ministry of Science and Higher Education and the Federal Austrian Ministry for Science and Research.

06.2007- 09.2010. Polish Ministry of Science and Higher Education grant 776/6 PRUE/2008/7.

06.2007- 09.2010. Development of n-type polymer materials used as alternative to soluble C60 derivatives and their use in organic solar cells: SolarNtype. Supported by the European Commision as Marie-Curie Research Training Project.

10.2005-09.2006. Estudio del mecanismo de actuación en tiempo real de algunos neurotransmisores: femtoneurociencia. Supported by the Consejería de Sanidad de la Junta de Comunidades de Castilla-La Mancha, Spain.

10.2004-09.2005. Applications of nonlinear spectroscopy to the study of ultrafast photoinduced processes. Supported by the Fonds National Suisse.

10.2002-04.2003. Proposal preparation for the cooperation programme ALFA between the E.U. and Latin America. Supported by the Bundesministerium für Bildung, Wissenschaft un Kultur, Österreich.

PARTICIPATION IN CONFERENCE ORGANIZATION

2014. Reaction Kinetics in Soft and Condensed Matter, July 1st-4th Orléans (France). Scientific Committee.

2012. Reaction Kinetics in Condensed Matter (RKCM) September 11th-16th , Lochow (Poland). Co-chairman and secretary.

2004. DAR'04 - Seggau / Austria August 21st -26th , Schloss Seggau, Leibnitz (Austria). Secretary of the local organization.

PARTICIPATION IN THE SUPERVISION OF ACADEMIC WORK AND TEACHING RECORD

2019-present. Supervisor of the PhD student Samaneh Shahab at IPC (PAS), Warsaw (Poland).

2015-2019. Supervisor of the PhD students Jadwiga Milkiewicz and Pakorn Pasitsuparoad at IPC (PAS), Warsaw (Poland).

2015 & 2016. Master course at the International Master SERP-Chem (Erasmus Mundus) at the Adam Mickiewicz University, Poznan (Poland).

2015&2019. PhD course "Dynamics and Kinetics of Chemical Reactions Induced by Light" within the International Doctoral Studies program of the IPC (PAS) Warsaw (Poland).

2012. PhD course "Foundations of Luminescence and its Applications to Biochemistry" within the Doctorate Program "Biotechnology and Chemical Technology" of University Pablo de Olavide of Sevilla (Spain).

2010. Kinetics of Photoinduced Electron- and Proton Transfer Reactions in Solution: Influence of High Light Intensities. PhD Thesis by Asim Mansha presented in the Graz University of Technology, Austria.

2004. Synthesis and photophysical characterization of tetracyano-p-phenylenediamine. Diplome Thesis by Jakob Grilj presented in the Graz University of Technology, Austria.

2003. Photoinduzierte Elektrontransferreaktionen von 2,6-dicyano-N,N,N',N'-tetramethyl-p-phenylendiamin in Lösung. Diplome Thesis by Markus Weiglhofer, presented in the Graz University of Technology, Austria.

2002. Kinetics of photoinduced electron transfer reactions between 2,6-dicyano-N,N,N',N'-tetramethyl-p-phenylenediamine and various quenchers. Diplome Thesis by Arnulf Rosspeintner, presented in the Graz University of Technology, Austria.

1998-2004. Laboratory and problems curses in Thermodynamics, Chemical Kinetics and Photochemistry for 1st to 3rd year chemistry students in the Graz University of Technology.

2004-2005. Laboratory curses in Photochemistry for chemistry students in the Geneva University.

REFEREE EXPERIENCE

Journal of the American Chemical Society.

Journal of Physical Chemistry A and B.

Physical Chemistry-Chemical Physics.

Journal of Chemical Physics.

Chemical Physics.

Journal of Photochemistry and Photobiology A: Chemistry.

Journal of Luminescence.

Spectrochimica Acta A.

Electrochimica Acta.

Journal of Electroanalytical Chemistry.

Analyst.

RSC Advances.

New Journal of Chemistry.

Chemistry - A European Journal.

ChemPhysChem.

ChemPlusChem.

Research on Chemical Intermediates.

International Journal of Chemical Kinetics.

REFERENCE CONTACTS

Prof. Günter Grampp, Graz University of Technology (Austria).

Prof. Eric Vauthey, University of Geneva (Switzerland).

Prof. Andrzej Kapturkiewicz, Siedlce University of Natural Sciences and Humanities (Poland).

Prof. Czeslaw Radzewicz, Polish Academy of Sciences (Poland).

Prof. Anatoli Burshtein, Weizmann Institute of Science (Israel).

dr hab. Gonzalo M. Angulo Núñez

Warsaw, January 2022