

# **ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ**

**ΙΩΑΝΝΗΣ ΔΕΛΗΓΙΑΝΝΑΚΗΣ**

**Ιωάννινα  
2015**

## ΒΙΟΓΡΦΙΚΟ ΣΗΜΕΙΩΜΑ Δρ. ΓΙΑΝΝΗΣ ΔΕΛΗΓΙΑΝΝΑΚΗΣ

Εργαστήριο Φυσικοχημείας Υλικών και Περιβάλλοντος  
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### ΣΠΟΥΔΕΣ

- 1981-1985 Πτυχίο: Τμήμα Φυσικής Πανεπιστήμιο Ιωαννίνων.  
1989-1990 Μεταπτυχιακός κύκλος σπουδών: Ινστιτούτο Επιστ. Υλικών,  
Εθνικό Κέντρο Έρευνας Φυσικών Επιστημών «Δημόκριτος» Αθήνα.  
1990-1994 Διδακτορικό Δίπλωμα Ινστιτούτο Επιστ. Υλικών, ΕΚΕΦΕ «Δημόκριτος» Αθήνα.  
1994-1997 Μεταδιδακτορικός Ερευνητής (Individual Marie-Curie Fellowship) : Centre des Etudes Nu-  
cleaires SBE-CEA-Saclay France.  
1997-1998 Μεταδιδακτορικός Ερευνητής (Marie-Curie Fellowship EU Return Grant) : Ινστιτούτο Ε-  
πιστ. Υλικών, ΕΚΕΦΕ «Δημόκριτος» Αθήνα.  
1999-2000 Συμβασιούχος Ερευνητής : Université Orsay-Saclay France.

### ΑΚΑΔΗΜΑΪΚΗ ΕΞΕΛΙΞΗ

- 2014-** Professor Dept. Physics Univ. Ioannina, , Greece.  
**2012-2013 Visiting Professor** Department of Mechanical and Process Engineering  
ETH Zurich, Switzerland  
**2010-2014 Professor** Dept. ENRM, Univ. Patras, Greece.  
**2006-2010 Associate Professor** Dept. ENRM, University of Ioannina.  
**2000-2006 Assistant Professor** Dept. of Environmental & Natural Resources Management [ENRM],  
University of Ioannina, Greece.

### ΕΠΙΒΛΕΨΗ ΦΟΙΤΗΤΩΝ/ΜΕΤΑΔΙΔΑΚΤΟΡΙΚΩΝ ΕΡΕΥΝΗΤΩΝ

#### A. Μεταδιδακτορικοί Ερευνητές

1. 2012-2013 Δρ. Σκουτέλης Χαράλαμπος (Χρηματοδότηση Πρόγραμμα ΘΑΛΗΣ)
2. 2012-2014 Δρ. Στάθη Παναγιώτα (Χρηματοδότηση Πρόγραμμα ΣΥΝΕΡΓΑΣΙΑ)
3. 2008-2009 Δρ. Τριάντης Θεόδωρος (Χρηματοδότηση Πρόγραμμα ΠΥΘΑΓΟΡΑΣ)
4. 2006-2007 Δρ. Γρηγοροπούλου Γεωργία (Χρηματοδότηση Πρόγραμμα ΠΥΘΑΓΟΡΑΣ)

#### B. Διδακτορικές Διατριβές

1. 2012- Χρήστος Δαικόπουλος (Χρηματοδότηση Πρόγραμμα ΣΥΝΕΡΓΑΣΙΑ)
2. 2012- Ελένη Σεριστατίδου (Χρηματοδότηση Πρόγραμμα ΣΥΝΕΡΓΑΣΙΑ)
3. 2012- Ελένη Μπλέτσα (Χρηματοδότηση Πρόγραμμα ΘΑΛΗΣ)
4. 2012-2103 Kakeru Fujiwara (ETH Zurich)
5. 2005-2010 Αναστασία Τσελεπίδου
6. 2005-2009 Ιωάννης Παπαδάς (Χρηματοδότηση Πρόγραμμα ΠΕΝΕΔ-II)
7. 2004-2009 Γεωργία Μπαλωμένου (Χρηματοδότηση Πρόγραμμα ΠΕΝΕΔ-II)
8. 2004-2009 Χαρίκλεια Κοσμά (Χρηματοδότηση Πρόγραμμα ΠΕΝΕΔ-II)
9. 2004-2009 Μάριος Δρόσος (Χρηματοδότηση Πρόγραμμα Ιδρύματος Μποδοσάκη)
10. 2003-2008 Παναζής Βασίλειος
11. 2004-2009 Παναγιώτα Στάθη
12. 2003-2007 Κωνσταντίνος Χριστοφορίδης
13. 2002-2006 Ευάγγελος Γιαννακόπουλος

#### Γ. Μεταπτυχιακά Διπλώματα Ειδίκευσης

1. 2014-2015 Γεωργίου Ιωάννης (Πανεπιστήμιο Ιωαννίνων)
2. 2014-2015 Σολακίδου Μαρία (Πανεπιστήμιο Ιωαννίνων-Χρηματ. ΙΚΥ)
3. 2011-2013 Μπλέτσα Ελένη (Πανεπιστήμιο Ιωαννίνων)
4. 2011-2013 Δαικόπουλος Χρήστος (Πανεπιστήμιο Ιωαννίνων)
5. 2011-2013 Σεριστατίδου Ελένη (Πανεπιστήμιο Ιωαννίνων)
6. 2012-2013 Kevin Wetter (ETH Zurich)
7. 2012-2013 Donovan Chie (ETH Zurich)
8. 2012-2013 Kathy Yong (ETH Zurich)
9. 2008-2009 Αναστασία Τσελεπίδου (Πανεπιστήμιο Ιωαννίνων)
10. 2009-2010 Σταυρούλα Λεοντίου (Πανεπιστήμιο Πατρών)
11. 2008-2009 Λάμπρος Κατερινόπουλος (Πανεπιστήμιο Πατρών)

## ΔΙΔΑΚΤΙΚΟ ΕΡΓΟ

### Προπτυχιακά

1. 2014- Δομικός και Χημικός Χαρακτηρισμός Υλικών (Τμήμα Φυσικής Π.Ι.)
2. 2014- Φυσικοχημεία (Τμήμα Φυσικής Π.Ι.)
3. 2014- Υλικά και Περιβάλλον (Τμήμα Μηχανικών Επιστήμης Υλικών Π.Ι.)
4. 2014- Φυσική (Τμήμα Χημείας Π.Ι.)
5. 2000-2014 Φυσικοχημεία (Τμήμα Διαχ. Περιβάλλοντος, Πολυτεχνική Σχολή Π. Πατρών)
6. 2000-2014 Υλικά και Περιβάλλον (Τμήμα Διαχ. Περιβάλλοντος, Πολυτεχνική Σχολή Π. Πατρών)
7. 2000-2014 Ενόργανη Περιβαλλοντική Ανάλυση (Τμ. Διαχ. Περιβάλλοντος, Πολυτ. Σχ. Π. Πατρών)

### Μεταπτυχιακά

1. 2007- Φασματοσκοπικός Χαρακτηρισμός Υλικών (Μεταπτυχιακό Πρόγραμμα Σπουδών Π.Ι. «Χημεία Τεχνολογία Υλικών»)
2. 2012-2013: Nanophysics at the solid-solution interface (Masters Course «Nano-Micro Processes, ETH Zurich)
3. 2005-2011 Φυσικοχημικές Διεπιφανειακές Διεργασίες (Μεταπτυχιακό Πρόγραμμα Τμ. Διαχ. Περιβάλλοντος, Πολυτ. Σχ. Π. Πατρών)

## ΕΠΙΣΚΕΤΗΣ ΕΡΕΥΝΤΗΣ ΣΕ ΕΡΓΑΣΤΗΡΙΑ ΤΟΥ ΕΞΩΤΕΡΙΚΟΥ

**2012-2013-** Particle Technology Laboratory ETH Zurich Dept of Mechanical and Process Engineering  
**2010-**Institute of Physical and Theoretical Chemistry Center of Magnetic Resonance Goethe-University Frankfurt.  
**2009-** Frumkin Inst. of Physical Chemistry, Russian Academy of Sci. Moscow Russia.  
**2007-** Dept. of Chemistry Lomonosof University, Moscow Russia.  
**2003** -Section De Bioenergetique, Centre des Etudes Nucleaires, Saclay, France.  
**2002**–Dept. of Chemistry University of Wrochlaw, Poland .  
**2001**–Dept. of Physical Chemistry, Weissman Institute, Rehovot, Israel.

## ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ-Εργαστήριο Φυσικοχημείας Υλικών και Περιβάλλοντος [ΕΦΥΠ]

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### Φυσική Νανοϋλικών-Τεχνολογία Flame Spray Pyrolysis

Ανάπτυξη νανοδομών οξειδίων των μετάλλων και μεταλλικών νανοσωματιδίων  
 Στο ΕΦΥΠ

-έχει αναπτυχθεί σύστημα Single- and Double Nozzle Flame Spray Pyrolysis. Αυτό επιτρέπει την παραγωγή συνδυασμένων (heterostructural) νανοδομών ημιαγωγίων [Me-O<sub>n</sub>] ή μεταλλικών νανοσωματιδίων [Pt, Au, Ag κλπ], σύνθετων περοβσκιτικών δομών κ.α..

-έχει αναπτυχθεί διάταξη παραγωγής nanofilms *in situ* με απόθεση νανοσωματιδίων σε επιφάνειες-υποστρώματα.

-έχει αναπτυχθεί σύστημα επένδυσης (coating) των νανσωματιδίων με εξωτερικό στρώμα νανασωματιδίων ή οργανικού.

### Μελέτη των Ηλεκτρονιακών και Μαγνητικών ιδιοτήτων των νανοϋλικών

Η μελέτη των ηλεκτρονιακών και μαγνητικών ιδιοτήτων γίνεται με χρήση **φασματοσκοπίας Ηλεκτρονικού Παραμαγνητικού Συντονισμού** συνεπικουρούμενη από φασματοσκοπία Mossbauer, FT-IR, XRD.

### Εφαρμογές Νανοϋλικών σε Προβλήματα Παραγωγής Ενέργειας, Κατάλυσης, Περιβαλλοντικής τεχνολογίας:

Παραγωγή H<sub>2</sub> με φωτοκαταλυτική διάσπαση του νερού, ή από καταλυτική διάσπαση HCOOH. Κατάλυση οργανικών ρύπων και αφαίρεση τοξικών μετάλλων από νερά. Το ΕΦΥΠ έχει αναπτύξει ηλεκτροχημική μέθοδο ανίχνευσης αρσενικού σε επίπεδα ppb.

*Φυσικόχημικές Ιδιότητες Αξιοποίηση νανοδομών Ανθρακα στην Περιβάλλον:* Χουμικές μακρομοριακές δομές, φυλλόμορφο οξείδιο του γραφενίου, ανακυκλώσιμοι άνθρακες. Παραγωγή υβριδικών νανοδομών {άνθρακα-νανασωματιδίων} και εφαρμογές τους σε τεχνολογίες προστασίας περιβάλλοντος. Περιβαλλοντική μοίρα νανοϋλικών.

### Ανάπτυξη και εφαρμογές της Φασματοσκοπίας EPR. Κβαντομηχανική ανάλυση της δυναμικής spin-πλέγματος, θεωρητική προσομείωση φασμάτων EPR

Το ΕΦΥΠ χρησιμοποιεί φασματόμετρο EPR (X-band) Bruker εφοδιασμένο με

- Dual Mode EPR Cavity: αυτή επιτρέπει την ταυτόχρονη μελέτη ημιακέραιων και ακέραιων spins.
- High Temperature EPR Module: αυτό επιτρέπει την μελέτη της δυναμικής spin-πλέγματος σε θερμοκρασίες 300K έως 1200K.
- Σύστημα ακτινοβολίας ORIEL με συνεχή ακτινοβολία από 190nm έως 1000nm με φίλτρα cut-off και band-pass.

### ΔΙΠΛΩΜΑΤΑ ΕΥΡΕΣΙΤΕΧΝΙΑΣ

Patent #	Title		CODE Nr
EP.1	European Patent	VISIBLE LIGHT PHOTOACTIVE NANOPARTICLES AND METHODS FOR THE PREPARATION THEREOF Fujiwara, K.; <b>Deligiannakis, Y.</b> S.E. Pratsinis	EP2013083
EP.2	European Patent	A LOW-COST HYBRID NANOANTIOXIDANT MATERIAL WITH LONG-LASTING ANTIRADICAL CAPACITY PRODUCED BY SiO <sub>2</sub> AND GALLIC ACID POLYPHENOL [SIGANTIOX®] <b>Deligiannakis, Y.</b> ; Sotiriou, G.; S.E. Pratsinis	EP 12007181
GRP.1	Greek Patent	ADSORBING MATERIAL FOR REMOVAL OF AMMONIA, PHOSPHORUS [BEPHOS®] <b>Deligiannakis, Y.</b> , Zaharias, I.; Drosos, M.; Zambaras, M.	1007843
GRP.2	Greek Patent	HYBRID ANTIBACTERIAL NANOMATERIAL (SIGABAC)® Louloudi, M.; <b>Deligiannakis, Y.</b> ; Stathi, P.; Hamalaki, A.; Bourtzis, K.	20130100459

### ΜΕΛΟΣ ΕΠΙΤΗΜΟΝΙΚΩΝ ΟΡΓΑΝΩΣΕΩΝ

- 1] [2004-today] Member of the American Chemical Society
- 2] [1994-today] Member of the International EPR [ESR] Society
- 3] [2001-today] National Coordinator of the Greek branch of the International Humic Substance Society (IHSS)(<http://www.ihss.gatech.edu>.)

### ΠΡΟΣΚΕΚΛΗΜΕΝΕΣ ΟΜΙΛΙΕΣ

- 1] **Y. Deligiannakis** *Plasmonically Enhanced Hydrogen Atom Transfer by Near IR Irradiation. (Session lecture)* in Materials Research Society Sept 2013 Boston USA.
- 2] **Y. Deligiannakis** *Electron Spin Echo Envelope Modulation (ESEEM) Spectroscopy of Biomimetic Materials: Spin Delocalisation via H-Bonds (Session lecture)* in Joint EUROMAR 2010 and 17<sup>th</sup> IS-MAR Conference FLORENCE July 4-9, 2010
- 3] **Y. Deligiannakis** *Ionic-H Bonds Determine the Interfacial Association of Pesticides with Soil Oxides (Session lecture)* in Advances of Molecular Modeling of Biogeochemical Interfaces Perspectives for soil research Jena, Germany 2009 (6-7/10/2009)

4] Y. Deligiannakis *A Water Soluble Humic Acid Like Polymer* 14<sup>th</sup>-(Session lecture) in 14<sup>th</sup> International Humic Substances Society (IHSS) meeting Moscow, Russia 2008 (14-19/9/2008)

#### **XPHMATOΔOTOYMENA EPEYNTHIKA ΠΡΟΓΡΑΜΜΑΤΑ**

- [2015-2016] “*Cotroled Optical Properties of Nanomaterials*” Grant funded by L OREAL (**Coordinator**)
- [2012-2015] THALIS “*Development of Hybrid Meso and Nano prous Materaisl for Environmental and Catalytic Applications*” (**Coordinator**)
- [2012-2015] SYNERGASIA “*Development of Pyrolytic Carbon Materials for Environmental and Catalytic Applications*”
- [2011-2012] “*Development of low-Tg Glasses exploiting Red Mud wastes for HeavyMetal Remadiation*” Grant funded by ALUMINION S.A. (**Coordinator**)
  - **IKY-DAAD (Greece-Germany) 2010-2012. STUDIES OF ENVIRONMENTAL AND TECHNOLOGICAL MATERIALS WITH ADVANCED EPR SPECTROSCOPIES(Coordinator)**
  - **NATO (Greece-Russia) 2007-2009. NOVEL HYBRID CATALYTIC MATERIALS FOR DECOMPOSITION OF ORGANIC POLLUTANTS CBP.EAP.CLG.983239(Coordinator)**
  - **PICS (Greece-France) Programme Internationale pour la Cooperation Scientifique (2002-2006). Advanced Non Destructive Spectroscopic Methods (Dr. S. Basava, CNRS Direction des Affaires Internationaux).**
  - **Bilateral Collaboration (Greece-Poland) (2002-2003). Physicochemical Study of Soil Organic Matter (Prof. A. Jejerski, Dept of Chemistry Univ. of Wrochlaw).**
  - **E.U. COST P15 (2003-2008)«Advanced Electron Paramagnetic Resonance in Chemistry Physics and Biology». Management Comitee member (Coordinator) Working Group 2.**
- **“PYTHAGORAS” II-EPEAEK (2005-2007) «Developmment of Methodology for Photocatlytic Degradation of Organic Pollutans Combining Spectoscopic & Anlytical Techniques ». (Coordinator)**
- **“PENED” (2005-2008) «Vitrified Clays for Long Term Heavy Metal Remediation » (Coordinator)**
- **“PYTHAGORAS” II-EPEAEK (2004-2006) «Novel Hybrid Catalytic Materias for Catalytic Environmental Applicationsl ». (Coordinator)**
- **EPEAEK-II «Research Infrastructure of the Dept. Of Environmetnal & Natural Resources Management” (2001-2003). (Coordinator)**
- **EPEAEK-II «Research Infrastructure of the Post Graduate Progamme Sustainable Management of Protected Areas” (2003-2004). (Coordinator)**

#### **ΔΙΟΡΓΑΝΩΣΗ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ**

1. Chair: 17<sup>th</sup> IHSS Conference – Sept 2014 Ioannina Greece, <http://www.ihss2014.org/>
2. [Scientific committee member] 5<sup>th</sup>-Panhelelnic Conference On Porous Materials June-2011-Crete
3. [Member of the organising committee] EUROMAR 2012-Crete
2. [Member of the organising committee] COST-P14 7th EFEPFR Conference Andwerp Belgium September 7-11, 2009.
3. [Organiser] Worksop of Work-Group-II COST-P14 Budapest Hungary, 25-28 Oct. 2005.
4. [Member of the organising committee] Nafplion (Greece) September 3-9, 2000
5. [Member of the organising committee] 5th International Symposium on Applied Bioinorganic Chemistry Corfu, Greece, April 13 17 1999.
6. [Member of the organising committee] Xth International Photosynthesis Congress, Montpellier, France, 20-25 August 1995.

**ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ**  
**h-index=28, citations >2100**

<b>2015</b>	
<b>J. 132</b>	E. Seristatidou, D. Papagiannis, M.Louloudi, <b>Y.Deligiannakis*</b> <i>Resolving the Elusive Transient States Ensuing the High-Oxidation States of Mn-Catalysts</i> <b>J. AM. CHEM. SOC.</b> (2015) (submitted)
<b>J.131</b>	Y. Georgiou, E. Mouzourakis, A. B. Bourlinos, C. Daikopoulos, R. Zboril, M. A. Karakassides, A. P. Douvalis, Th. Bakas, <b>Y. Deligiannakis*</b> <i>Surface decoration of amine-rich carbon nitride with iron nanoparticles for Arsenite (As<sup>III</sup>) uptake: the evolution of the Fe-phases under ambient conditions</i> <b>J. PHYS. CHEM. C</b> , 2015 (submitted)
<b>J.130</b>	K.C. Christoforidis, L.L. Bonilla, M.Louloudi, <b>Y.Deligiannakis</b> <i>Axial ligand effect on the catalytic activity of biomimetic Feporphyrin catalyst: An experimental and DFT study</i> <b>JOURNAL of CATALYSIS</b> (2015) (submitted)
<b>J.129</b>	Bletsa, E., Solakidou, M., <b>Deligiannakis, Y.*</b> <i>Electron Paramagnetic Resonance study of the Spin and Redox Evolution of a Fe-Phtalolyanine</i> <b>CHEMICAL PHYSICS LETTERS</b> (2015) (accepted)
<b>J.128</b>	Giannakas, A., M. Antonopoulou, Daikopoulos, C., <b>Deligiannakis, Y.*</b> , Konstantinou, I. <i>EPR and catalytic performance study of B-doped, B-N co-doped and B-N-F tri-doped TiO<sub>2</sub> towards simultaneous Cr(VI) reduction and benzoic acid oxidation</i> <b>APPLIED CATALYSIS B: ENVIRONMENTAL</b> (2015) (accepted)
<b>J.127</b>	Georgios A. Sotiriou, Christoph O. Blattmann and <b>Yiannis Deligiannakis *</b> <i>Nanoantioxidant-driven plasmon enhanced proton-coupled electron transfer</i> <b>NANOSCALE</b> (Advance Article) (2015) DOI: 10.1039/C5NR04942C in press
<b>J.126</b>	M.-S. Vidali, E. Bletsa, A. Kouloumpis, C. G. Skoutelis, <b>Y.Deligiannakis*</b> , D. Gournis and D. Vlastos <i>Induction of micronuclei by multi-walled carbon nanotubes interacting with humic acids in cultured human lymphocytes</i> <b>ENVIRON. SCI.: NANO</b> , 2015, (Advance Article) DOI: 10.1039/C5EN00138B in press
<b>J.125</b>	Stathi, P., Gournis, D., <b>Deligiannakis, Y.</b> , Rudolf, P. <i>Stabilization of Phenolic Radicals on Graphene Oxide: An XPS and EPR Study</i> <b>LANGMUIR</b> 2015 31 (38), pp. 10508-10516
<b>J.124</b>	Georgiou, Y., Dimos, K., Beltsios, K., Karakassides, M.A., <b>Deligiannakis, Y*.</b> <i>Hybrid [polysulfone-Zero Valent Iron] membranes: Synthesis, characterization and application for As<sup>III</sup> remediation.</i> <b>CHEMICAL ENGINEERING JOURNAL</b> 281, 2015, p. 650-660
<b>J.123</b>	Bletsa, E., Stathi, P., Dimos, K., Louloudi, M., <b>Deligiannakis, Y.*</b> <i>Interfacial Hydrogen Atom Transfer by nanohybrids based on Humic Acid Like Polycondensates</i> 2015 <b>JOURNAL OF COLLOID AND INTERFACE SCIENCE</b> 455, pp. 163-171
<b>J.122</b>	<i>Adsorption of phenol and methylene blue from aqueous solutions by pyrolytic tire char: Equilibrium and kinetic studies</i> Makrigianni, V., Giannakas, A., Deligiannakis, Y., Konstantinou, I. 2015 <b>JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING</b> 3 (1), pp. 574-582
<b>J.121</b>	Makrigianni, V., Giannakas, A., Daikopoulos, C., <b>Deligiannakis, Y.</b> , Konstantinou, I. <i>Preparation, characterization and photocatalytic performance of pyrolytic-tire-char/TiO<sub>2</sub> composites, toward phenol oxidation in aqueous solutions</i> 2015 <b>APPLIED CATALYSIS B: ENVIRONMENTAL</b> 174-175, pp. 244-252
<b>J.120</b>	Seristatidou, E., Mavrogiorgou, A., Konstantinou, I., Louloudi, M., <b>Deligiannakis, Y.</b> <i>Recycled carbon (RC) materials made functional: An efficient heterogeneous Mn-RC catalyst</i> 2015 <b>JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL</b> 403, 9464, pp. 84-92
<b>J.119</b>	Stathi, P., <b>Deligiannakis, Y.</b> , Avgouropoulos, G., Louloudi, M. <i>Efficient H<sub>2</sub> production from formic acid by a supported iron catalyst on silica</i> 2015 <b>APPLIED CATALYSIS A: GENERAL</b> 498, pp. 176-184
<b>J.118</b>	Antonopoulou, M., Skoutelis, C.G., Daikopoulos, C., <b>Deligiannakis, Y.</b> , Konstantinou, I.K. <i>Probing the photolytic-photocatalytic degradation mechanism of DEET in the presence of natural or synthetic humic macromolecules using molecular-scavenging techniques and EPR spectroscopy</i> 2015 <b>JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING</b> in press
<b>J.117</b>	Christoforidis, K.C., Louloudi, M., <b>Deligiannakis, Y*.</b> <i>Effect of humic acid on chemical oxidation of organic pollutants by Fe(II) and H<sub>2</sub>O<sub>2</sub>: A dual mechanism</i> 2015 <b>JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING</b> Article in Press
<b>J.116</b>	Stathi, P., <b>Deligiannakis, Y.</b> , Louloudi, M. <i>Co-catalytic enhancement of H<sub>2</sub> production by SiO<sub>2</sub> nanoparticles</i> 2014 <b>CATALYSIS TODAY</b> 2015, 242 pp. 146-152



<b>2014</b>	
<b>J.115</b>	J. T. N. Knijnenburg, E. Seristatidou, F. M. Hilty, F. Krumeich, <b>Y. Deligiannakis *</b> <i>Proton-Promoted Iron Dissolution from Nanoparticles and the Influence by the Local Iron Environment</i> <b>J. PHYS. CHEM. C</b> , 2014, 118 (41), pp 24072–24080
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