

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

ΙΩΑΝΝΗΣ ΔΕΛΗΓΙΑΝΝΑΚΗΣ

**Ιωάννινα
2015**

ΒΙΟΓΡΦΙΚΟ ΣΗΜΕΙΩΜΑ
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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_n] 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 H₂ 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.; Deligiannakis, Y. S.E. Pratsinis	EP2013083
EP.2	European Patent	A LOW-COST HYBRID NANOANTIOXIDANT MATERIAL WITH LONG-LASTING ANTIRADICAL CAPACITY PRODUCED BY SiO ₂ AND GALLIC ACID POLYPHENOL [SIGANTIOX®] Deligiannakis, Y. ; Sotiriou, G.; S.E. Pratsinis	EP 12007181
GRP.1	Greek Patent	ADSORBING MATERIAL FOR REMOVAL OF AMMONIA, PHOSPHORUS [BEPHOS®] Deligiannakis, Y. , Zaharias, I.; Drosos, M.; Zambaras, M.	1007843
GRP.2	Greek Patent	HYBRID ANTIBACTERIAL NANOMATERIAL (SIGABAC)® Louloudi, M.; Deligiannakis, Y. ; 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 17th 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* 14th-(Session lecture) in 14th 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: 17th IHSS Conference – Sept 2014 Ioannina Greece, <http://www.ihss2014.org/>
2. [Scientific committee member] 5th-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

2015	
J. 132	E. Seristatidou, D. Papagiannis, M.Louloudi, Y.Deligiannakis* <i>Resolving the Elusive Transient States Ensuing the High-Oxidation States of Mn-Catalysts</i> J. AM. CHEM. SOC. (2015) (submitted)
J.131	Y. Georgiou, E. Mouzourakis, A. B. Bourlinos, C. Daikopoulos, R. Zboril, M. A. Karakassides, A. P. Douvalis, Th. Bakas, Y. Deligiannakis* <i>Surface decoration of amine-rich carbon nitride with iron nanoparticles for Arsenite (As^{III}) uptake: the evolution of the Fe-phases under ambient conditions</i> J. PHYS. CHEM. C , 2015 (submitted)
J.130	K.C. Christoforidis, L.L. Bonilla, M.Louloudi, Y.Deligiannakis <i>Axial ligand effect on the catalytic activity of biomimetic Feporphyrin catalyst: An experimental and DFT study</i> JOURNAL of CATALYSIS (2015) (submitted)
J.129	Bletsa, E., Solakidou, M., Deligiannakis, Y.* <i>Electron Paramagnetic Resonance study of the Spin and Redox Evolution of a Fe-Phtalolyanine</i> CHEMICAL PHYSICS LETTERS (2015) (accepted)
J.128	Giannakas, A., M. Antonopoulou, Daikopoulos, C., Deligiannakis, Y.* , Konstantinou, I. <i>EPR and catalytic performance study of B-doped, B-N co-doped and B-N-F tri-doped TiO₂ towards simultaneous Cr(VI) reduction and benzoic acid oxidation</i> APPLIED CATALYSIS B: ENVIRONMENTAL (2015) (accepted)
J.127	Georgios A. Sotiriou, Christoph O. Blattmann and Yiannis Deligiannakis * <i>Nanoantioxidant-driven plasmon enhanced proton-coupled electron transfer</i> NANOSCALE (Advance Article) (2015) DOI: 10.1039/C5NR04942C in press
J.126	M.-S. Vidali, E. Bletsa, A. Kouloumpis, C. G. Skoutelis, Y.Deligiannakis* , D. Gournis and D. Vlastos <i>Induction of micronuclei by multi-walled carbon nanotubes interacting with humic acids in cultured human lymphocytes</i> ENVIRON. SCI.: NANO , 2015, (Advance Article) DOI: 10.1039/C5EN00138B in press
J.125	Stathi, P., Gournis, D., Deligiannakis, Y. , Rudolf, P. <i>Stabilization of Phenolic Radicals on Graphene Oxide: An XPS and EPR Study</i> LANGMUIR 2015 31 (38), pp. 10508-10516
J.124	Georgiou, Y., Dimos, K., Beltsios, K., Karakassides, M.A., Deligiannakis, Y*. <i>Hybrid [polysulfone-Zero Valent Iron] membranes: Synthesis, characterization and application for As^{III} remediation.</i> CHEMICAL ENGINEERING JOURNAL 281, 2015, p. 650-660
J.123	Bletsa, E., Stathi, P., Dimos, K., Louloudi, M., Deligiannakis, Y.* <i>Interfacial Hydrogen Atom Transfer by nanohybrids based on Humic Acid Like Polycondensates</i> 2015 JOURNAL OF COLLOID AND INTERFACE SCIENCE 455, pp. 163-171
J.122	<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 JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING 3 (1), pp. 574-582
J.121	Makrigianni, V., Giannakas, A., Daikopoulos, C., Deligiannakis, Y. , Konstantinou, I. <i>Preparation, characterization and photocatalytic performance of pyrolytic-tire-char/TiO₂ composites, toward phenol oxidation in aqueous solutions</i> 2015 APPLIED CATALYSIS B: ENVIRONMENTAL 174-175, pp. 244-252
J.120	Seristatidou, E., Mavrogiorgou, A., Konstantinou, I., Louloudi, M., Deligiannakis, Y. <i>Recycled carbon (RC) materials made functional: An efficient heterogeneous Mn-RC catalyst</i> 2015 JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL 403, 9464, pp. 84-92
J.119	Stathi, P., Deligiannakis, Y. , Avgouropoulos, G., Louloudi, M. <i>Efficient H₂ production from formic acid by a supported iron catalyst on silica</i> 2015 APPLIED CATALYSIS A: GENERAL 498, pp. 176-184
J.118	Antonopoulou, M., Skoutelis, C.G., Daikopoulos, C., Deligiannakis, Y. , 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 JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING in press
J.117	Christoforidis, K.C., Louloudi, M., Deligiannakis, Y*. <i>Effect of humic acid on chemical oxidation of organic pollutants by Fe(II) and H₂O₂: A dual mechanism</i> 2015 JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING Article in Press
J.116	Stathi, P., Deligiannakis, Y. , Louloudi, M. <i>Co-catalytic enhancement of H₂ production by SiO₂ nanoparticles</i> 2014 CATALYSIS TODAY 2015, 242 pp. 146-152

2014	
J.115	J. T. N. Knijnenburg, E. Seristatidou, F. M. Hilty, F. Krumeich, Y. Deligiannakis * <i>Proton-Promoted Iron Dissolution from Nanoparticles and the Influence by the Local Iron Environment</i> J. PHYS. CHEM. C , 2014, 118 (41), pp 24072–24080
J.114	Y. Deligiannakis* , G. A. Sotiriou, S. E. Pratsinis Nanoantioxidant materials for theranostics: Near-infrared plasmon enhanced proton-coupled electron transfer MATERIALS RESEARCH SOC. BULLETIN (2014), pp.1627-1629
J.113	Daikopoulos, C. , Georgiou, Y. , Bourlinos, A.B. , Baikousi, M. , Karakassides, M.A. , Zboril, R. , Steriotis, T.A. , Deligiannakis, Y.* <i>Arsenite remediation by an amine-rich graphitic carbon nitride synthesized by a novel low-temperature method</i> CHEMICAL ENGINEERING JOURNAL 256, 2014, Pages 347-355
J.112	Spyrou, K., Potsi, G., Diamanti, E.K., Y. Deligiannakis , Gournis, D., Rudolf, P. <i>Towards novel multi-functional pillared nanostructures: Effective intercalation of adamantylamine in graphene oxide and smectite clays</i> 2014 ADVANCED FUNCTIONAL MATERIALS 24 (37), pp. 5841-5850
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J.110	Mavrogiorgou, A., Papastergiou, M., Deligiannakis, Y. , Louludi, M. <i>Activated carbon functionalized with Mn(II) Schiff base complexes as efficient alkene oxidation catalysts: Solid support matters</i> 2014 JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL 393, pp. 8-17
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