

ATHANASSIOS CHRIS MITROPOULOS

PERSONAL DATA

Date of Birth : 2 Νοεμβρίου 1957
Nationality : Greek
Address : Kavala Institute of Technology, St. Lucas, 65 400 Kavala
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EDUCATION

-1983 B.Sc. : Chemistry, Aristotele University of Thessaloniki GR.
-1985 M.Sc. : Surface Chemistry and Colloids, University of Bristol, UK.
-1990 Ph.D. : Physical Chemistry, University of Bristol, UK.

WORK EXPERIENCE

'84-'88 : Shell Petroleum UK, Research Grant
'86-'89 : MSc Lab in Surface Chem. & Colloids, University of Bristol UK, Demonstrator.
'91-'98 : Department of Trade and Industry GR, Scientific Advisor.
'92-'93 : Department of Energy GR, Advisor to the Energy Committee.
'93-'95 : Air force Academy GR, Adjoined Professor.
'93-'98 : National Center for Scientific Research GR, Research Scientist.
'98-'02 : Kavala Institute of Technology Dpt. of Petroleum Technology, Professor.
'02-'08 : Kavala Institute of Technology, Vice-President.
'08-'17 : Kavala Institute of Technology, President.
'17- : Eastern Macedonia & Thrace Institute of Technology, Vice-Rector

PUBLICATIONS

: 96 Journal Papers
: 56 Conference Papers
: 5 Patents
: 27 Books
: 1200+ Citations
: 20 h-index

SOCIETIES

- Member of the Association of Greek Chemists
- Member of the American Chemical Society
- Member of the Society of Petroleum Engineers
- Member of the advisory board in Chemical Chronicles (general edition)
- Reviewer in many major journals (e.g. Physical Review, Journal of Colloid and Interface Science, Langmuir, Journal of Membrane Science, Nature, etc).

ΔΙΔΑΚΤΙΚΟ ΕΡΓΟ

1986-1989

ΠΑΝΕΠΙΣΤΗΜΙΟ BRISTOL

ΣΧΟΛΗ ΧΗΜΕΙΑΣ

1. ΧΗΜΕΙΑ ΕΠΙΦΑΝΕΙΩΝ ΚΑΙ ΚΟΛΛΟΕΙΔΩΝ (Εργαστήριο): Ηλεκτρονικό Μικροσκόπιο Σάρωσης και Εκπομπής (SEM & TEM), Ζυγός Υμενίων, Ζυγός Du Nouy, Αγωγιμότητα, Γωνία Επαφής, Διαλυτότητα, Ποροσιμετρία Υδραργύρου, Προσρόφηση Αερίων και Ατμών (Ογκομετρική και Βαρυμετρική), Ηλεκτροφόρηση, Υπερφυγοκέντριση, Ρεολογία, Επίπλευση (Flotation), Σκέδαση Φωτός (Light Scattering), Μικρογωνιακή Σκέδαση Ακτίνων-X (SAXS).

1993-1995

ΣΧΟΛΗ ΙΚΑΡΩΝ ΚΑΙ ΣΧΟΛΗ ΜΗΧΑΝΙΚΩΝ ΑΕΡΟΠΟΡΙΑΣ

1. ΓΕΝΙΚΗ ΚΑΙ ΑΝΟΡΓΑΝΗ ΧΗΜΕΙΑ (Θεωρία): Περιοδικός Πίνακας, Θεωρία Δεσμών, Θερμοδυναμική, Μέταλλα και Κράματα, Οξέα-Βάσεις-Άλατα, Ηλεκτροχημεία, Ανόργανη Χημική Τεχνολογία, Φωτοχημεία, Πυρηνική Χημεία.
2. ΚΑΥΣΙΜΑ ΚΑΙ ΛΙΠΑΝΤΙΚΑ (Εργαστήριο): Ιξώδες Engler, Σημείο Ροής, Σημείο Θόλωσης, Χρωματομετρία, Πυκνότητα API, Απόσταξη Βενζίνης, Σημείο Ανάφλεξης, Σημείο Καπνού, Τάση ατμών κατά Reid.

1993-1998

ΕΚΕΦΕ ΔΗΜΟΚΡΙΤΟΣ

ΙΝΣΤΙΤΟΥΤΟ ΦΥΣΙΚΟΧΗΜΕΙΑΣ

ΠΡΟΓΡΑΜΜΑ ΕΚΠΑΙΔΕΥΣΗΣ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΥΠΟΤΡΟΦΩΝ ΚΑΙ ΕΠΙΒΛΕΨΗΣ ΥΠΟΨΗΦΙΩΝ ΔΙΔΑΚΤΟΡΩΝ

1. ΦΑΙΝΟΜΕΝΑ ΜΕΤΑΦΟΡΑΣ ΣΕ ΠΟΡΩΔΗ ΜΕΣΑ (Θεωρία): Ορολογία πορωδών υλικών, Μembrάνες, Θερμοδυναμική Επιφανειών και Μικρών Συστημάτων, Θεωρία Προσρόφησης και Τριχοειδούς Συμπύκνωσης, Διάχυση, Θεωρία Μικρογωνιακής Σκέδασης (Small Angle Scattering), Μορφοκλασματική Γεωμετρία (Fractals), Υπερκρίσιμα Ρευστά (Supercritical Fluids).
2. ΜΕΜΒΡΑΝΕΣ ΓΙΑ ΠΕΡΙΒΑΛΛΟΝΤΙΚΟΥΣ ΔΙΑΧΩΡΙΣΜΟΥΣ (Εργαστήριο): Ποροσιμετρία Hg, Ποροσιμετρία N₂ (Ογκομετρική), Ποροσιμετρία Ατμών (Βαρυμετρική), Διαπερατότητα Υψηλών και Χαμηλών Πίεσεων (High and Low Pressure Rig), Εκλεκτικότητα Μembrανών (Selectivity), Προσομοίωση και Τρισδιάστατη Εικονική Ανάλυση Μembrανικών Συστημάτων (Simulation and 3-D Image Analysis), Σκέδαση Νετρονίων (at HMI-Berlin-D).

1998-

ΤΕΙ ΑΜΘ

ΤΜΗΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΠΕΤΡΕΛΑΙΟΥ

ΠΡΟΠΤΥΧΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΣΠΟΥΔΩΝ

1. ΦΥΣΙΚΟΧΗΜΕΙΑ (Θεωρία): Αέρια, Υγρά, Στερεά, Θερμοδυναμική, Θερμοχημεία, Ηλεκτροχημεία, Φασματοσκοπικοί Μέθοδοι, Κολλοειδή Συστήματα, Διεπιφανειακά Φαινόμενα (Διαβροχή, Τριχοειδής Πίεση, Υμένα), Φαινόμενα Μεταφοράς.
2. ΦΥΣΙΚΟΧΗΜΕΙΑ (Εργαστήριο): Μέθοδος Victor Meyer, Νόμος Gay-Lussac, Ενθαλπία Διάλυσης Εξουδετέρωσης και Καύσης, Αζεοτροπικά Μίγματα, Δείκτης Διάθλασης, Προσρόφηση, Κρυοσκοπία, Ηλεκτρολύτες, Πεχαμετρία, Κινητική Αντιδράσεων, Ζυγός Langmuir, Ζυγός Du Nouy, Γωνία Επαφής, Κυψελίδα Χαοτικών Κροσσών (Helle-Shaw Cell).
3. ΜΕΤΑΦΟΡΑ ΚΑΙ ΑΠΟΘΗΚΕΥΣΗ ΚΑΥΣΙΜΩΝ (Θεωρία): Δεξαμενές Σταθερής και Πλωτής Οροφής, Φαινόμενο Αναπνοής, Υλικά Αγωγών και Δεξαμενών, Διάβρωση, Καθοδική Προστασία, Μεταφορά δια Αγωγών, Μεταφορά δια Θαλάσσης, Αντιρρυπαντική Τεχνολογία, Προστασία Περιβάλλοντος.

2012-

ΤΕΙ ΑΜΘ

ΤΜΗΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΠΕΤΡΕΛΑΙΟΥ

ΜΕΤΑΠΤΥΧΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΣΠΟΥΔΩΝ

MSc in Oil and Gas Technology

1. RESEARCH METHODS: The course is aimed to enhance students knowledge on conducting literature review, presentation of the experimentally applied techniques, data analysis, results

presentation, discussion of the results and conclusions. Scientific writing of work projects to thesis and public presentation of the work is also given.

2. **POROUS MEDIA:** This course examines the relationship between transport properties and pore structure of porous media. Routine and advance techniques for measuring pore matrices characteristics such as N₂-adsorption, Hg-porosimetry, small-angle x-ray scattering, electron microscopy scanning and transmission are demonstrated. Models of pore structure are presented with a discussion of how such models can be used to predict the transport properties within porous media.
3. **FORMATION EVALUATION:** The course examines the three primary phases of well-logging technology to engineering and geosciences students. It offers an in-depth study of the electric, radioactive, and acoustic properties of sedimentary rocks. Mathematical and empirical models relate a formation property of interest to the property measured with the logging tool. Openhole logging techniques are covered, along with concepts of traditional and modern tools.

RESEARCH ACTIVITY

1. **BRITE-EURAM.** Time period: 1992-1995. Title: New Materials as Adsorbants, Catalysts and Membranes for the Removal of Volatile Organic Compounds and Gas Separation Technologies. Consortium: King's College London (UK), NCSR 'Demokritos' (Hellas), Imperial College London (UK), Atlantis - M. Pechlivanides & Co S.A. (Hellas), Sinco Engineering SPA (Belgium), Velterop BV (The Netherlands). Role: Participant. Budget: €135,000
2. **BREU CT92-0568.** Time period: 1992-1995. Title: Microporous Carbon Membranes for Gas Separations. Consortium: BP (UK), SCT (France), Imperial College (UK), NCSR "Demokritos" (Hellas). Role: Participant. Budget: €135,000
3. **BRE2CT94-0572.** Time period: 1993-1996. Title: Synthesis of Ultra-Thin Membrane Coatings using Plasma treated Langmuir-Blodgett and Self-Assembled films. Consortium: NCSR "Demokritos" Greece, IMM Deutschland, TNO Netherlands. Role: Participant. Budget: €135,000
4. **BREU CT96-0313.** Time period: 1996-2000. Title: Development and Testing of Zeolite Membranes for Gas Separations. Consortium: NCSR "Demokritos" (Hellas), LMPM Montpellier (France), British Gas Research and Engineering (United Kingdom), Velterop BV (The Netherlands), Continental Engineering BV (The Netherlands), Viana SA (Hellas). Role: Participant. Budget: €135,000
5. **92 ΠΣΕ-75.** Time period: 1992-1995. Title: Activated Carbon from Agricultural Byproducts for Gas Pollutant Removal. Consortium: Ministry of Agriculture Research Center. Army Research and Technology Center, NCSR "Demokritos. Role: Participant. Budget: €55,000
6. **FRENCH-HELLENIC SCIENTIFIC AND TECHNOLOGICAL COOPERATION.** Time period: 1994-1995. Title: Enhanced boiling heat transfer in porous layers with application to electronic component cooling. Consortium: NCSR "Demokritos", MASTER Laboratory, University of Bordeaux. Role: Participant. Budget: €55,000
7. **EIIET II-E-410 E-165.** Time period: 1995-1998. Title: Development of Transdermal and Osmotic Drug delivery Systems. Consortium Lavipharm SA, University of Athens, Pharmacy School, NCSR "Demokritos". Role: Participant. Budget: €540,000
8. **EIIET II-E-724 E-172.** Time period: 1995-1998. Title: Synthesis of Quartz Membranes with Plasma Treatment and CVD for Gas and Liquid Phase Separations. Consortium: HERACKLES-E.K.E.T. SA (Cement Company), ATLANTIS SA, VIANA SA (Filters Manufacturing), Ministry of Agriculture Research Center (Public Research), LAVA-BIOR SA (Cement Company), NCSR Demokritos. Role: Participant. Budget: €540,000
9. **JOULE JOE-CT95-0018.** Time period: 1995-1998. Title: Gas Transport in Microporous Ceramic Membranes. Consortium: Bath University (UK), Imperial College (UK), ECN (Holland), Leipzig University (Germany), Kvaerner Process Systems (Norway), British Gas Plc (UK), Institute Francais du Petrole (France), The Smart Chemical Company Ltd. (UK), NCSR "Demokritos" (Hellas). Role: Participant. Budget: €1,350,000
10. **JOULE JOE-CT95-0008.** Time period: 1995-1998. Title: Optimal Massive Gas Injection Conditions for Oil Recovery Enhancement. Consortium: Institute Francais du Petrole (France), IFE (Norway), NCSR "Demokritos" (Hellas) Mobility: "Co-operation with IMM (Mainz, Germany)". Partners: IMM (Germany), NCSR "Demokritos" (Hellas). Role: Participant. Budget: €135,000
11. **THERMIE OG/00-32/96.** Time period: 1996-2000. Title: An Integrated Pore-Space Reconstruction and Property. Simulation Tool for Core Analysis and Reservoir Evaluation (C.A.R.E.). Consortium: NCSR "Demokritos" Greece, Shell UK. Role: Participant. Budget: €1,350,000

12. THERMIE OG-7-97. Time period: 1996-2000. Title: Advanced Tracer Simulation for Improved Oil Recovery. Consortium: NCSR 'Demokritos' (Hellas), IFE (Norway), IGP-CNRS (France), Statoil (Norway), Saga Petroleum (Norway). Role: Participant. Budget: €1,350,000
13. EKBAN E-114. Time period: 1998-2001. Title: ROBOWELDER. Consortium: ΕΚΕΦΕ "Demokritos", ΝΑΥΣΙ, ΝΕΩΠΙΟ, ΤΕΙ, ΑΛΓΟΣΥΣΤΕΜ ΑΕ, Greece. Role: Deputy Project Leader. Budget: €1,000,000.
14. TMR. Time period: 1998-2002. Title: Small Angle Neutron Scattering on various porous materials: Vycor Porous Glass, Controlled Porous Glasses, Aluminas, Biological Materials. Consortium: KavTech Greece, NCSR "Demokritos" Greece, HMI Deutschland. Role: Project Leader. Budget: €10,000
15. ARCHIMEDES-I. Time period: 2002-2005. Title: Hydrogen: Separation and Storage. Consortium: KAVTECH, ΕΚΕΦΕ "Demokritos" Greece. Role: Project Leader. Budget: €60,000
16. ARCHIMEDES-I. Time period: 2002-2005. Title: ROCK N' OIL: The Cavala Band. Consortium: KAVTECH GR, KAVALA OIL SA Greece. Role: Deputy Project Leader. Budget: €50,000
17. ARCHIMEDES-I. Time period: 2002-2006. Title: Science Environment and Engineering Coordination. Consortium: KAVTECH Greece. Role: Project Leader. Budget: €100,000
18. ERDF. Time period: 2006-2008. Title: LAB INSTRUMENTS. Consortium: KAVTECH Greece. Role: Project Leader. Budget: €700,000
19. ERDF. Time period: 2006-2008. Title: RESEARCH INSTRUMENTS. Consortium: KAVTECH. Role: Project Leader. Budget: €250,000
20. ERDF. Time period: 2010-2012. Title: RESEARCH INSTRUMENTS. Consortium: KAVTECH. Role: Project Leader. Budget: €10,000,000
21. INTEREG-III. Time period: 2006-2009. Title: Hybrid Technologies. Consortium: KAVTECH Greece, Neofit University Bulgaria. Role: Project Leader. Budget: €250,000
22. ARCHIMEDES-III. Time period: 2012-2014. Title: NANO-SKAI. Consortium: KAVTECH, NCSR Demokritos, TEI Crete, Greece. Role: Project Leader. Budget: €100,000
23. THALIS. Time period: 2012-2014. Title: NANOCAPILLARY. Consortium: KAVTECH Greece, University of Antwerp Belgium, CNRS France, University of Alicante Spain, University of Oxford UK, JJX-RAY Ltd Denmark. Role: Project Leader. Budget: €600,000
24. ERASMUS+. Time period: 2017-2019. Title: The Wine Lab. Consortium: TEI-EMT Greece, University of Mescarata, Italy, Lazaris SA, et al. Role: Participant. Budget: €1.050,000
25. STAVROS NIARCHOS FOUNDATION. Time period: 2016-2018. Title: Fellowships Consortium: TEI-EMTH Greece. Role: Project Leader. Budget: €900.000
26. Greece-German Cooperation. Development of nanotechnology-enabled 'next-generation' membranes and their applications in low-energy, zero liquid discharge desalination membrane systems. Eastern Macedonia & Thrace Institute of Technology, ECOTECH, Helmholtz-Zentrum Geesthacht, FutureCarbon GmbH. Role: Project Leader. Budget: €400.000
27. ΕΡΕΥΝΩ-ΚΑΙΝΟΤΟΜΩ. Smart-Road. Role: Project Leader. Budget: €400.000
28. Εκπαίδευση σε θέματα ΦΑ. ΤΑΠ. Role: Project Leader. Budget: €300.000

PUBLICATIONS

1. Papadopoulos, A.N., Bikiaris, D.N., Mitropoulos, A.C., Kyzas, G.Z.
Nanomaterials and chemical modifications for enhanced key wood properties: A review
(2019) *Nanomaterials*, 9 (4), art. no. 607, .
DOI: 10.3390/nano9040607
2. Kosheleva, R.I., Mitropoulos, A.C., Kyzas, G.Z.
Synthesis of activated carbon from food waste
(2019) *Environmental Chemistry Letters*, 17 (1), pp. 429-438.
DOI: 10.1007/s10311-018-0817-5
3. Papadopoulos, A.N., Kyzas, G.Z., Mitropoulos, A.C.
Lignocellulosic composites from acetylated sunflower stalks
(2019) *Applied Sciences (Switzerland)*, 9 (4), art. no. 646, .
Cited 1 time.
DOI: 10.3390/app9040646
4. Bibaj, E., Lysigaki, K., Nolan, J.W., Seyedsalehi, M., Deliyanni, E.A., Mitropoulos, A.C., Kyzas, G.Z.
Activated carbons from banana peels for the removal of nickel ions
(2019) *International Journal of Environmental Science and Technology*, 16 (2), pp. 667-680.

DOI: 10.1007/s13762-018-1676-0

5. Papageorgiou, F., Karampatea, K., Mitropoulos, A.C., Kyzas, G.Z. Determination of metals in Greek wines
(2019) *International Journal of Environmental Science and Technology*, 16 (1), pp. 347-356.
DOI: 10.1007/s13762-018-1675-1
6. Kyzas, G.Z., Bomis, G., Kosheleva, R.I., Efthimiadou, E.K., Favvas, E.P., Kostoglou, M., Mitropoulos, A.C. Nanobubbles effect on heavy metal ions adsorption by activated carbon
(2019) *Chemical Engineering Journal*, 356, pp. 91-97.
Cited 5 times.
DOI: 10.1016/j.cej.2018.09.019
7. Kosheleva, R.I., Varoutoglou, A.T., Bomis, G.A., Kyzas, G.Z., Favvas, E.P., Mitropoulos, A.Ch. A rotating sample cell for in situ measurements of adsorption with x-rays
(2018) *Review of Scientific Instruments*, 89 (12), art. no. 123113, .
DOI: 10.1063/1.5053860
8. Vordos, N., Giannakopoulos, S., Vansant, E.F., Kalaitzis, C., Nolan, J.W., Bandekas, D.V., Karavasilis, I., Mitropoulos, A.C., Touloupidis, S. Small-angle X-ray scattering (SAXS) and nitrogen porosimetry (NP): two novel techniques for the evaluation of urinary stone hardness
(2018) *International Urology and Nephrology*, 50 (10), pp. 1779-1785.
Cited 1 time.
DOI: 10.1007/s11255-018-1961-3
9. Kyzas, G.Z., Deliyanni, E.A., Mitropoulos, A.C., Matis, K.A. Hydrothermally produced activated carbons from zero-cost green sources for cobalt ions removal
(2018) *Desalination and Water Treatment*, 123, pp. 288-299.
Cited 2 times.
DOI: 10.5004/dwt.2018.22781
10. Kyzas, G.Z., Deliyanni, E.A., Matis, K.A., Lazaridis, N.K., Bikiaris, D.N., Mitropoulos, A.C. Emerging nanocomposite biomaterials as biomedical adsorbents: an overview
(2018) *Composite Interfaces*, 25 (5-7), pp. 415-454.
DOI: 10.1080/09276440.2017.1361716
11. Anastopoulos, I., Hosseini-Bandegharai, A., Fu, J., Mitropoulos, A.C., Kyzas, G.Z. Use of nanoparticles for dye adsorption: Review
(2018) *Journal of Dispersion Science and Technology*, 39 (6), pp. 836-847.
Cited 2 times.
DOI: 10.1080/01932691.2017.1398661
12. Papageorgiou, F., Karampatea, K., Mitropoulos, A.C., Kyzas, G.Z. Determination of metals in Greek wines
(2018) *International Journal of Environmental Science and Technology*, pp. 1-10. Article in Press.
DOI: 10.1007/s13762-018-1675-1
13. Vordos, N., Drosos, G., Kazanidis, I., Ververidis, A., Ypsilantis, P., Kazakos, K., Simopoulos, C., Mitropoulos, A.C., Touloupidis, S. Hydroxyapatite Crystal Thickness and Buckling Phenomenon in Bone Nanostructure During Mechanical Tests
(2018) *Annals of Biomedical Engineering*, 46 (4), pp. 627-639.
DOI: 10.1007/s10439-018-1983-0
14. Kyzas, G.Z., Deliyanni, E.A., Bikiaris, D.N., Mitropoulos, A.C. Graphene composites as dye adsorbents: Review
(2018) *Chemical Engineering Research and Design*, 129, pp. 75-88.
Cited 2 times.
DOI: 10.1016/j.cherd.2017.11.006
15. Kyzas, G.Z., Bikiaris, D.N., Mitropoulos, A.C. Chitosan adsorbents for dye removal: a review
(2017) *Polymer International*, 66 (12), pp. 1800-1811.
Cited 1 time.
DOI: 10.1002/pi.5467
16. Favvas, E.P., Katsaros, F.K., Papageorgiou, S.K., Sapalidis, A.A., Mitropoulos, A.C. A review of the latest development of polyimide based membranes for CO₂ separations
(2017) *Reactive and Functional Polymers*, 120, pp. 104-130.
Cited 4 times.
DOI: 10.1016/j.reactfunctpolym.2017.09.002

17. Anastopoulos, I., Anagnostopoulos, V.A., Bhatnagar, A., Mitropoulos, A.C., Kyzas, G.Z.
A review for chromium removal by carbon nanotubes
(2017) *Chemistry and Ecology*, 33 (6), pp. 572-588.
Cited 4 times.
DOI: 10.1080/02757540.2017.1328503
18. Vordos, N., Giannakopoulos, S., Gkika, D.A., Nolan, J.W., Kalaitzis, C., Bandekas, D.V.,
Kontogoulidou, C., Mitropoulos, A.C., Touloupidis, S.
Kidney stone nano-structure — Is there an opportunity for nanomedicine development?
(2017) *Biochimica et Biophysica Acta - General Subjects*, 1861 (6), pp. 1521-1529.
DOI: 10.1016/j.bbagen.2017.01.026
19. Gkika, D.A., Nolan, J.W., Vansant, E.F., Vordos, N., Kontogoulidou, C., Mitropoulos, A.C., Cool, P.,
Braet, J.
A framework for health-related nanomaterial grouping
(2017) *Biochimica et Biophysica Acta - General Subjects*, 1861 (6), pp. 1478-1485.
Cited 3 times.
DOI: 10.1016/j.bbagen.2016.08.014
20. Gkika, D.A., Vordos, N., Nolan, J.W., Mitropoulos, A.C., Vansant, E.F., Cool, P., Braet, J.
Price tag in nanomaterials?
(2017) *Journal of Nanoparticle Research*, 19 (5), art. no. 177.
Cited 1 time.
DOI: 10.1007/s11051-017-3875-x
21. Anastopoulos, I., Karamesouti, M., Mitropoulos, A.C., Kyzas, G.Z.
A review for coffee adsorbents
(2017) *Journal of Molecular Liquids*, 229, pp. 555-565.
Cited 11 times.
DOI: 10.1016/j.molliq.2016.12.096
22. Athanasekou, C., Pedrosa, M., Tsoufis, T., Pastrana-Martínez, L.M., Romanos, G., Favvas, E.,
Katsaros, F., Mitropoulos, A., Psycharis, V., Silva, A.M.T.
Comparison of self-standing and supported graphene oxide membranes prepared by simple filtration:
Gas and vapor separation, pore structure and stability
(2017) *Journal of Membrane Science*, 522, pp. 303-315.
Cited 7 times.
DOI: 10.1016/j.memsci.2016.09.031
23. Mitropoulos, A.C., Favvas, E.P., Stefanopoulos, K.L., Vansant, E.F.
Scanning of adsorption hysteresis in situ with small angle x-ray scattering
(2016) *PLoS ONE*, 11 (10), art. no. e0164636.
Cited 1 time.
DOI: 10.1371/journal.pone.0164636
24. Favvas, E.P., Stefanopoulos, K.L., Vordos, N.C., Drosos, G.I., Mitropoulos, A.C.
Structural characterization of calcium sulfate bone graft substitute cements
(2016) *Materials Research*, 19 (5), pp. 1108-1113.
Cited 2 times.
DOI: 10.1590/1980-5373-MR-2015-0670
25. Favvas, E.P., Stefanopoulos, K.L., Stefanopoulos, A.A., Nitodas, S.F., Mitropoulos, A., Lairez, D.
Phenol functionalized MWCNTs: A dispersion study into polar solvents by small angle neutron
scattering
(2016) *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 496, pp. 94-99.
Cited 2 times.
DOI: 10.1016/j.colsurfa.2015.11.062
26. Favvas, E.P., Tsanaktisidis, C.G., Sapolidis, A., Tzilantonis, G., Papageorgiou, S., Mitropoulos, A.Ch.
Clinoptilolite, a natural zeolite material: Structural characterization and performance evaluation on its
dehydration properties of hydrocarbon-based fuels
(2016) *Microporous and Mesoporous Materials*, 225, pp. 385-391.
Cited 10 times.
DOI: 10.1016/j.micromeso.2016.01.021
27. Favvas, E.P., Romanos, G.E., Katsaros, F.K., Stefanopoulos, K.L., Papageorgiou, S.K., Mitropoulos,
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