

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

1. ΒΙΟΓΡΑΦΙΚΑ ΣΤΟΙΧΕΙΑ

Ατομικά Στοιχεία

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Ακαδημαϊκές Θέσεις

1. Μάρτιος 2019 – Σήμερα: Αναπληρωτής Καθηγητής, Σχολή Χημικών Μηχανικών, Τομέας Επιστήμης και Τεχνικής των Υλικών, Εθνικό Μετσόβιο Πολυτεχνείο.
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2. ΔΙΔΑΚΤΙΚΟ ΕΡΓΟ στο ΕΜΠ

2.1 Προπτυχιακά Μαθήματα

1. Ηλεκτροχημεία – Χημική Κινητική – Θεωρία & Εργαστήριο
2. Προηγμένες Τεχνολογίες Παραγωγής και Αποθήκευσης Ενέργειας – Θεωρία
3. Σχέσεις Δομής / Ιδιότητες Υλικών – Εργαστήριο
4. Φθορά και Προστασία Υλικών – Εργαστήριο

2.2 Μεταπτυχιακά Μαθήματα

1. Φθορά και Προστασία Υλικών, ΔΠΜΣ Επιστήμη και Τεχνολογία Υλικών
2. Μη Γραμμική Δυναμική / Ανάλυση Πολλαπλών Κλιμάκων, ΔΠΜΣ Υπολογιστική Μηχανική

3. ΣΥΓΓΡΑΜΜΑΤΑ – ΣΗΜΕΙΩΣΕΙΣ – ΟΠΤΙΚΟΑΚΟΥΣΤΙΚΟ ΥΛΙΚΟ

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2. Α. Καραντώνης, *Βασικές Αρχές Ηλεκτροχημείας: Ιοντικά Διαλύματα και Ηλεκτροχημική Κινητική*, 2015, Ελληνικά Ακαδημαϊκά Συγγράμματα, σελ. 188.
3. Α. Καραντώνης, *Εισαγωγή στα Μη-Γραμμικά Δυναμικά Συστήματα και Φυσικοχημικές Εφαρμογές*, 2018, σελ. 163.
Σύγγραμμα για το Μάθημα “Μη Γραμμική Δυναμική – Ανάλυση Πολλαπλών Κλιμάκων”,

ΔΠΜΣ Υπολογιστική Μηχανική, ΕΜΠ

4. Α. Καραντώνης, *Ηλεκτροχημικές αρχές διάβρωσης των μετάλλων*, 2021, σελ. 135. Σύγγραμμα για το μάθημα “Διάβρωση και Προστασία”, ΔΠΜΣ Επιστήμης και Τεχνολογίας Υλικών, ΕΜΠ.
5. Α. Καραντώνης, *Αρχές λειτουργίας ηλεκτρικών στηλών και συσσωρευτών*, 2020, σελ. 113. Σύγγραμμα για το μάθημα “Προηγμένες Τεχνολογίες Παραγωγής και Αποθήκευσης Ενέργειας”, Σχολή Χημικών Μηχανικών, ΕΜΠ.
6. Α. Καραντώνης, *Βασικές Αρχές Ηλεκτροχημείας: Ασκήσεις*, 2020, σελ. 79. Λυμένες ασκήσεις για το μάθημα της Χημικής Κινητικής & Ηλεκτροχημείας, Σχολή Χημικών Μηχανικών, ΕΜΠ.
7. Α. Καραντώνης, *Ασκήσεις Χημικής Κινητικής*, 2020, σελ. 50. Λυμένες ασκήσεις για το μάθημα της Χημικής Κινητικής & Ηλεκτροχημείας, Σχολή Χημικών Μηχανικών, ΕΜΠ.
8. Α. Καραντώνης (επιμέλεια), *Χημική Κινητική & Ηλεκτροχημεία, Εργαστηριακές Ασκήσεις*, 2021, σελ. 208, Εργαστηριακός Οδηγός για το μάθημα της Χημικής Κινητικής & Ηλεκτροχημείας
9. Οπτικοακουστικό υλικό για το εργαστήριο του μαθήματος της Χημικής Κινητικής & Ηλεκτροχημείας, 2021, Σχολή Χημικών Μηχανικών, ΕΜΠ στο σύνδεσμο YouTube channel: PhysChemLabNTUA

4. ΔΗΜΟΣΙΕΥΣΕΙΣ

4.1 Δημοσιεύσεις σε Επιστημονικά Περιοδικά

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2. D. Zouraris, A. Karantonis, "Determination of kinetic and thermodynamic parameters from large amplitude Fourier transform ac voltammetry of immobilized electroactive species" *Journal of Electroanalytical Chemistry*, **876** (2020) 114729.
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