

## YEAR 2015

### (Results from Scopus, using the keywords “Department of Chemistry, University of Patras” in the Affiliation field)

1. “Comparative study of phase transition and textural changes upon calcination of two commercial titania samples: A pure anatase and a mixed anatase-rutile”  
Kordouli, E., Dracopoulos, V., Vaimakis, T., Bourikas, K., Lycourghiotis, A., Kordulis, C  
*Journal of Solid State Chemistry*, 232, pp. 42-49 (2015).
2. “Oxidation of structural cysteine residues in thioredoxin 1 by aromatic arsenicals enhances cancer cell cytotoxicity caused by the inhibition of thioredoxin reductase 1”  
Zhang, X., Lu, J., Ren, X., Du, Y., Zheng, Y., Ioannou, P.V., Holmgren, A.  
*Free Radical Biology and Medicine*, 89, pp. 192-200 (2015).
3. “Synthesis and biological evaluation of new C-10 substituted dithranol pleiotropic hybrids”  
Bariamis, S.E., Magoulas, G.E., Grafanaki, K., Pontiki, E., Tsegenidis, T., Athanassopoulos, C.M., Maroulis, G., Papaioannou, D., Hadjipavlou-Litina, D.”  
*Bioorganic and Medicinal Chemistry*, 23 (22), pp. 7251-7263 (2015).
4. “Epidermal growth factor receptor status and Notch inhibition in non-small cell lung cancer cells”  
Giannopoulou, E., Nikolakopoulos, A., Kotsirilou, D., Lampropoulou, A., Raftopoulou, S., Papadimitriou, E., Theocharis, A.D., Makatsoris, T., Fasseas, K., Kalofonos, H.P.  
*Journal of Biomedical Science*, 22, pp. 98-108 (2015).
5. “Preparation and Characterization of Biochar Sorbents Produced from Malt Spent Rootlets”  
Manariotis, I.D., Fotopoulou, K.N., Karapanagioti, H.K.  
*Industrial and Engineering Chemistry Research*, 54 (39), pp. 9577-9584 (2015).
6. “Effect of tungsten deposition method on K-modified NiW/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub> as sulphur-tolerant water-gas shift reaction catalyst”  
Nikolova, D., Vakros, J., Grozeva, T., Lycourghiotis, A., Tyuliev, G., Edreva-Kardjieva, R., Kordulis, C.  
*Applied Catalysis A: General*, 506, pp. 14-24 (2015).
7. “Syndecan-1 alters heparan sulfate composition and signaling pathways in malignant mesothelioma”  
Heidari-Hamedani, G., Vivès, R.R., Seffouh, A., Afratis, N.A., Oosterhof, A., van Kuppevelt, T.H., Karamanos, N.K., Metintas, M., Hjerpe, A., Dobra, K., Szatmári, T.  
*Cellular Signalling*, 27 (10), pp. 2054-2067 (2015).

8. "Atropo- and Diastereoselective Construction of Tetracyclic Biphenylazepinium Salts Derived from Aminoalcohols: Use as Catalysts in Enantioselective Asymmetric Epoxidation"  
Bulman Page, P.C., Pearce, C.A., Chan, Y., Parker, P., Buckley, B.R., Rassias, G.A., Elsegood, M.R.J.  
*Journal of Organic Chemistry*, 80 (16), pp. 8036-8045 (2015).
9. "Supramolecular features in the engineering of 3d metal complexes with phenyl-substituted imidazoles as ligands: the case of copper(II)"  
Kounavi, K.A., Kitos, A.A., Moushi, E.E., Manos, M.J., Papatriantafyllopoulou, C., Tasiopoulos, A.J., Perlepes, S.P., Nastopoulos, V.  
*CrystEngComm*, 17 (39), pp. 7510-7521 (2015).
10. "Synthesis and evaluation of chloramphenicol homodimers: Molecular target, antimicrobial activity, and toxicity against human cells"  
Kostopoulou, O.N., Magoulas, G.E., Papadopoulos, G.E., Mouzaki, A., Dinos, G.P., Papaioannou, D., Kalpaxis, D.L.  
*PLoS ONE*, 10 (8), art. no. e0134526 (2015).
11. "Nonemployed Simple Carboxylate Ions in Well-Investigated Areas of Heterometallic Carboxylate Cluster Chemistry: A New Family of {Cu<sup>II</sup>4Ln<sup>III</sup>8} Complexes Bearing tert-Butylacetate Bridging Ligands"  
Dermitzaki, D., Raptopoulou, C.P., Psycharis, V., Escuer, A., Perlepes, S.P., Stamatatos, T.C.  
*Inorganic Chemistry*, 54 (15), pp. 7555-7561 (2015).
12. "The "periodic table" of benzotriazoles: Uranium(VI) complexes"  
Tsantis, S.T., Mouzakitis, M., Savvidou, A., Raptopoulou, C.P., Psycharis, V., Perlepes, S.P.  
*Inorganic Chemistry Communications*, 59, pp. 57-60 (2015).
13. "Conjugation of a peptide to mannan and its confirmation by tricine sodium dodecyl sulfate-polyacrylamide gel electrophoresis"  
Tapeinou, A., Androutsou, M.-E., Kyrtata, K., Vlamis-Gardikas, A., Apostolopoulos, V., Matsoukas, J., Tselios, T.  
*Analytical Biochemistry*, 485, art. no. 12109, pp. 43-45 (2015).
14. "Continuous acidogenesis of sucrose, raffinose and vinasse using mineral kissiris as promoter"  
Lappa, K., Kandyli, P., Bekatorou, A., Bastas, N., Klaoudatos, S., Athanasopoulos, N., Kanellaki, M., Koutinas, A.A.  
*Bioresource Technology*, 188, pp. 43-48 (2015).
15. "Magnetic colloidal superparticles of Co, Mn and Ni ferrite featured with comb-type and/or linear amphiphilic polyelectrolytes; NMR and MRI relaxometry"  
Menelaou, M., Iatridi, Z., Tsougos, I., Vasiou, K., Dendrinou-Samara, C., Bokias, G.  
*Dalton Transactions*, 44 (24), pp. 10980-10990 (2015).

16. “Functional semiconductors targeting copolymer architectures and hybrid nanostructures”  
Kallitsis, J.K., Anastasopoulos, C., Andreopoulou, A.K.  
*MRS Communications*, 5 (3), pp. 365-382 (2015).
17. “Properties of myelin altered peptide ligand cyclo(87-99)(Ala91,Ala96)MBP87-99 render it a promising drug lead for immunotherapy of multiple sclerosis”  
Deraos, G., Rodi, M., Kalbacher, H., Chatzantoni, K., Karagiannis, F., Synodinos, L., Plotas, P., Papalois, A., Dimisianos, N., Papathanasopoulos, P., Gatos, D., Tselios, T., Apostolopoulos, V., Mouzaki, A., Matsoukas, J.  
*European Journal of Medicinal Chemistry*, 101, art. no. 7942, pp. 13-23 (2015).
18. NiII<sub>20</sub> "Bowls" from the Use of Tridentate Schiff Bases  
Alexopoulou, K.I., Terzis, A., Raptopoulou, C.P., Psycharis, V., Escuer, A., Perlepes, S.P.  
*Inorganic Chemistry*, 54 (12), pp. 5615-5617 (2015).
19. “A family of dinuclear lanthanide(III) complexes from the use of a tridentate Schiff base”  
Anastasiadis, N.C., Kalofolias, D.A., Philippidis, A., Tzani, S., Raptopoulou, C.P., Psycharis, V., Milios, C.J., Escuer, A., Perlepes, S.P.  
*Dalton Transactions*, 44 (22), pp. 10200-10209 (2015).
20. “The Reaction of Bunsen's Cacodyl Disulfide, Me<sub>2</sub>As(S)-S-AsMe<sub>2</sub>, with Iodine: Preparation and Properties of Dimethylarsinosulfenyl Iodide, Me<sub>2</sub>As-S-I”  
Ioannou, P.V., Vachliotis, D.G., Chrissanthopoulos, A.  
*Zeitschrift für Anorganische und Allgemeine Chemie*, 641 (7), pp. 1340-1346 (2015).
21. “The mechanism of azo-dyes adsorption on the titanium dioxide surface and their photocatalytic degradation over samples with various anatase/rutile ratios”  
Kordouli, E., Bourikas, K., Lycourghiotis, A., Kordulis, C.  
*Catalysis Today*, 252, pp. 128-135 (2015).
22. “Geometries, stabilities and fragmental channels of neutral and charged sulfur clusters: S<sub>n</sub>Q (n = 3-20, Q = 0, ±1)”  
Jin, Y., Maroulis, G., Kuang, X., Ding, L., Lu, C., Wang, J., Lv, J., Zhang, C., Ju, M.  
*Physical Chemistry Chemical Physics*, 17 (20), pp. 13590-13597 (2015).
23. “Treatment of low-strength municipal wastewater containing phenanthrene using activated sludge and biofilm process”  
Sfaelou, S., Papadimitriou, C.A., Manariotis, I.D., Rouse, J.D., Vakros, J., Karapanagioti, H.K.  
*Desalination and Water Treatment*, 57, pp. 12047-12057 (2015).
24. “New generation biofuel: Continuous acidogenesis of sucrose-raffinose mixture simulating vinasse is promoted by γ-alumina pellets”

Lappa, K., Kandyli, P., Bastas, N., Klaoudatos, S., Athanasopoulos, N., Bekatorou, A., Kanellaki, M., Koutinas, A.A.

*Biotechnology for Biofuels*, 8 (1), art. no. 74 (2015).

25. “Synthesis and Evaluation of Anticancer Activity in Cells of Novel Stoichiometric Pegylated Fullerene-Doxorubicin Conjugates”

Magoulas, G.E., Bantzi, M., Messari, D., Voulgari, E., Gialeli, C., Barbouri, D., Giannis, A., Karamanos, N.K., Papaioannou, D., Avgoustakis, K.

*Pharmaceutical Research*, 32 (5), pp. 1676-1693 (2015).

26. “Mannan-conjugated myelin peptides prime non-pathogenic Th1 and Th17 cells and ameliorate experimental autoimmune encephalomyelitis”

Tseveleki, V., Tselios, T., Kanistras, I., Koutsoni, O., Karamita, M., Vamvakas, S.-S., Apostolopoulos, V., Dotsika, E., Matsoukas, J., Lassmann, H., Probert, L.

*Experimental Neurology*, 267, pp. 254-267 (2015).

27. “In vitro study on the cell adhesion ability of immobilized lactobacilli on natural supports”

Sidira, M., Kourkoutas, Y., Kanellaki, M., Charalampopoulos, D.

*Food Research International*, 76, pp. 532-539 (2015).

28. “Tubular cellulose/starch gel composite as food enzyme storehouse”

Barouni, E., Petsi, T., Kanellaki, M., Bekatorou, A., Koutinas, A.

*Food Chemistry*, 188, pp. 106-110 (2015).

29. “Source apportionment by PMF on elemental concentrations obtained by PIXE analysis of PM10 samples collected at the vicinity of lignite power plants and mines in Megalopolis, Greece”

Manousakas, M., Diapouli, E., Papaefthymiou, H., Migliori, A., Karydas, A.G., Padilla-Alvarez, R., Bogovac, M., Kaiser, R.B., Jaksic, M., Bogdanovic-Radovic, I., Eleftheriadis, K.

*Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms*, 349, pp. 114-124 (2015).

30. “A critical evaluation of magnetic activated carbon's potential for the remediation of sediment impacted by polycyclic aromatic hydrocarbons”

Han, Z., Sani, B., Akkanen, J., Abel, S., Nybom, I., Karapanagioti, H.K., Werner, D.

*Journal of Hazardous Materials*, 286, pp. 41-47 (2015).

31. “Insights into the key roles of proteoglycans in breast cancer biology and translational medicine”

Theocharis, A.D., Skandalis, S.S., Neill, T., Mulhaupt, H.A.B., Hubo, M., Frey, H., Gopal, S., Gomes, A., Afratis, N., Lim, H.C., Couchman, J.R., Filmus, J., Ralph D.S., Sanderson, Schaefer, L., Iozzo, R.V., Karamanos, N.K.

*Biochimica et Biophysica Acta - Reviews on Cancer*, 1855 (2), pp. 276-300 (2015).

32. “Olive oil DNA fingerprinting by multiplex SNP genotyping on fluorescent microspheres”  
Kalogianni, D.P., Bazakos, C., Boutsika, L.M., Targem, M.B., Christopoulos, T.K., Kalaitzis, P., Ioannou, P.C.  
*Journal of Agricultural and Food Chemistry*, 63 (12), pp. 3121-3128 (2015).
33. “Estrogen receptor alpha mediates epithelial to mesenchymal transition, expression of specific matrix effectors and functional properties of breast cancer cells”  
Bouris, P., Skandalis, S.S., Piperigkou, Z., Afratis, N., Karamanou, K., Aletras, A.J., Moustakas, A., Theocharis, A.D., Karamanos, N.K.  
*Matrix Biology*, 43, pp. 42-60 (2015).
34. “Cheese Production Using Kefir Culture Entrapped in Milk Proteins”  
Dimitrellou, D., Kandyli, P., Kourkoutas, Y., Koutinas, A.A., Kanellaki, M.  
*Applied Biochemistry and Biotechnology*, 176 (1), art. no. 1568, pp. 213-230 (2015).
35. “Surface properties of beached plastics”  
Fotopoulou, K.N., Karapanagioti, H.K.  
*Environmental Science and Pollution Research*, 22 (14), pp. 11022-11032 (2015).
36. “ADAMTS expression in colorectal cancer”  
Filou, S., Korpetinou, A., Kyriakopoulou, D., Bounias, D., Stavropoulos, M., Ravazoula, P., Papachristou, D.J., Theocharis, A.D., Vynios, D.H.  
*PLoS ONE*, 10 (3), art. no. e0121209 (2015).
37. “Synthesis and antimicrobial activity of chloramphenicol-polyamine conjugates”  
Magoulas, G.E., Kostopoulou, O.N., Garnelis, T., Athanassopoulos, C.M., Kournoutou, G.G., Leotsinidis, M., Dinos, G.P., Papaioannou, D., Kalpaxis, D.L.  
*Bioorganic and Medicinal Chemistry*, 23 (13), art. no. 12281, pp. 3163-3174 (2015).
38. “Magnetite impregnation effects on the sorbent properties of activated carbons and biochars”  
Han, Z., Sani, B., Mrozi, W., Obst, M., Beckingham, B., Karapanagioti, H.K., Werner, D.  
*Water Research*, 70, pp. 394-403 (2015).
39. “The N-(2-carboxyphenyl)salicylideneimine ligand in 4f-metal chemistry: A unique neodymium(III) chain containing the singly deprotonated, zwitterionic form of the ligand”  
Anastasiadis, N.C., Lalioti, N., Terzis, A., Psycharis, V., Raptopoulou, C.P., Perlepes, S.P.  
*Inorganic Chemistry Communications*, 51, pp. 118-121 (2015).

40. “Mononuclear anionic octahedral cobalt(III) complexes based on N-salicylidene-o-aminophenol and its derivatives: Synthetic, structural and spectroscopic studies”  
Alexopoulou, K.I., Zagoraiou, E., Zafiropoulos, T.F., Raptopoulou, C.P., Psycharis, V., Terzis, A., Perlepes, S.P.  
*Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 136 (PA), pp. 122-130 (2015).
41. “Effect of immobilized *Lactobacillus casei* on the evolution of flavor compounds in probiotic dry-fermented sausages during ripening”  
Sidira, M., Kandyliis, P., Kanellaki, M., Kourkoutas, Y.  
*Meat Science*, 100, pp. 41-51 (2015).
42. “A new benzodiazepine molecule and its interactions with diorganotin(IV)chlorides”  
Garoufis, A., Kitos, A.A., Lymperopoulou, S., Nastopoulos, V., Plakatouras, J.C., Ypsilantis, K.  
*Journal of Molecular Structure*, 1079, pp. 473-479 (2015).
43. “Studying the Formation of Biofilms on Supports with Different Polarity and Their Efficiency to Treat Wastewater”  
Sfaelou, S., Karapanagioti, H.K., Vakros, J.  
*Journal of Chemistry*, 2015, art. no. 734384 (2015).
44. “A novel synthetic luteinizing hormone-releasing hormone (LHRH) analogue coupled with modified  $\beta$ -cyclodextrin: Insight into its intramolecular interactions”  
Kordopati, G.G., Tselios, T.V., Kellici, T., Merzel, F., Mavromoustakos, T., Grdadolnik, S.G., Tsivgoulis, G.M.  
*Biochimica et Biophysica Acta - General Subjects*, 1850 (1), pp. 159-168 (2015).
45. “Increased  $\beta$ -glucuronidase activity in bronchoalveolar lavage fluid of children with bacterial lung infection: A case-control study”  
Panagiotopoulou, E.C., Fouzas, S., Douros, K., Triantaphyllidou, I.-E., Malavaki, C., Priftis, K.N., Karamanos, N.K., Anthracopoulos, M.B.  
*Respirology*, 20 (8), pp. 1248-1254 (2015).
46. “Anti-TNF $\alpha$  treatment decreases the previously increased serum Indian Hedgehog levels in patients with ankylosing spondylitis and affects the expression of functional Hedgehog pathway target genes”  
Daoussis, D., Filippopoulou, A., Liosis, S.-N., Sirinian, C., Klavdianou, K., Bouris, P., Karamanos, N.K., Andonopoulos, A.P.  
*Seminars in Arthritis and Rheumatism*, 44 (6), pp. 646-651 (2015).
47. “Inhibition of hydroxyapatite formation in the presence of titanocene-amino acid complexes: an experimental and computational study”  
Chrissanthopoulos, A., Klouras, N., Ntala, Ch., Sevastos, D., Dalas, E.  
*Journal of materials science. Materials in medicine*, 26 (1), pp. 5341-5353 (2015).

48. “The reaction of dithioerythritol and dithiothreitol with As(III), Sb(III), and Bi(III) compounds”  
Ioannou, P.V., Tsivgoulis, G.M.  
*Monatshefte fur Chemie*, 146 (2), pp. 249-257 (2015).
49. “Squashed {Fe<sub>2</sub> III<sub>4</sub> III} octahedra (M = Y, Gd, Dy) from the first use of the cyanoacetate ligand in 3d/4f coordination chemistry”  
Polyzou, C.D., Baniodeh, A., Magnani, N., Mereacre, V., Zill, N., Anson, C.E., Perlepes, S.P., Powell, A.K.  
*RSC Advances*, 5 (14), pp. 10763-10767 (2015).
50. “Systematic theoretical investigation of geometries, stabilities and magnetic properties of iron oxide clusters (FeO)<sub>n</sub> μ (n = 1-8, μ = 0, ±1): Insights and perspectives”  
Ju, M., Lv, J., Kuang, X.-Y., Ding, L.-P., Lu, C., Wang, J.-J., Jin, Y.-Y., Maroulis, G.  
*RSC Advances*, 5 (9), pp. 6560-6570 (2015).
51. “Mannosylated linear and cyclic single amino acid mutant peptides using a small 10 amino acid linker constitute promising candidates against multiple sclerosis”  
Day, S., Tselios, T., Androutsou, M.-E., Tapeinou, A., Frilligou, I., Stojanovska, L., Matsoukas, J., Apostolopoulos, V.  
*Frontiers in Immunology*, 6, art. no. 136 (2015).
52. “Acceleration of ripening and improvement of quality of olive pickles by encapsulated cells in nano/micro-tubular cellulose”  
Papafotopoulou-Patrinou, E., Kallis, M., Bekatorou, A., Kanellaki, M., Koutinas, A.A., Schoina, D., Tsoulou, E., Tzavaras, K., Kokkorou, D., Panas, P.  
*LWT - Food Science and Technology*, 63 (2), pp. 1029-1036 (2015).
53. “Permeability of PEGylated immunoarsonoliposomes through in vitro blood brain barrier-medulloblastoma co-culture models for brain tumor therapy”  
Al-Shehri, A., Favretto, M.E., Ioannou, P.V., Romero, I.A., Couraud, P.-O., Weksler, B.B., Parker, T.L., Kallinteri, P.  
*Pharmaceutical Research*, 32 (3), pp. 1072-1083 (2015).
54. “The reduction of p-arsanilic acid (p-aminophenylarsonic acid) to its arsonous acid or arsine oxide: A case study”  
Ioannou, P.V., Tsivgoulis, G.M.  
*Main Group Chemistry*, 14 (3), pp. 237-253 (2015).
55. “Quinoline-functionalized cross-linked poly(vinyl acetate) and poly(vinyl alcohol) nanoparticles as potential pH-responsive luminescent sensors”  
Moutsipoulou, A., Andreopoulou, A.K., Lainioti, G., Bokias, G., Voyiatzis, G., Kallitsis, J.K.  
*Sensors and Actuators, B: Chemical*, 211, pp. 235-244 (2015).
56. “The use of Potentiometric Mass Titration (PMT) technique for determining the acid-base behavior of activated sludge”  
Sfaelou, S., Vakros, J., Manariotis, I.D., Karapanagioti, H.K.

*Global Nest Journal*, 17 (2), pp. 397-405 (2015).

57. The Electrophilic Character of Bunsen's Cacodyl Disulfide, Me<sub>2</sub>As(S)-S-AsMe<sub>2</sub>, Towards Some Nucleophiles of Groups 15 and 16

Ioannou, P.V., Vachliotis, D.G.

*Zeitschrift für Anorganische und Allgemeine Chemie*, 641 (3-4), pp. 710-714 (2015).

58. "Removal of U(VI) from Aquatic Systems, Using Winery By-Products as Biosorbents: Equilibrium, Kinetic, and Speciation Studies"

Anagnostopoulos, V.A., Koutsoukos, P.G., Symeopoulos, B.D.

*Water, Air, and Soil Pollution*, 226 (4), art. no. 107 (2015).

59. "Production of nanotubes in delignified porous cellulosic materials after hydrolysis with cellulose"

Koutinas, A.A., Papafotopoulou-Patrinou, E., Gialleli, A.-I., Petsi, T., Bekatorou, A., Kanellaki, M.

*Bioresource Technology*, 213, pp. 169-171 (2015).

60. "Evaluation of antimicrobial efficiency of new polymers comprised by covalently attached and/or electrostatically bound bacteriostatic species, based on quaternary ammonium compounds"

Kougia, E., Tselepi, M., Vasilopoulos, G., Lainioti, G.C., Koromilas, N.D., Druvari, D., Bokias, G., Vantarakis, A., Kallitsis, J.K.

*Molecules*, 20 (12), pp. 21313-21327 (2015).

61. "Multi-allele genotyping platform for the simultaneous detection of mutations in the Wilson disease related ATP7B gene"

Amvrosiadou, M., Petropoulou, M., Poulou, M., Tzetis, M., Kanavakis, E., Christopoulos, T.K., Ioannou, P.C.

*Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, 1006, pp. 201-208 (2015).

62. "Review cyclic peptides on a merry-go-round; towards drug design"

Tapeinou, A., Matsoukas, M.-T., Simal, C., Tselios, T.

*Biopolymers*, 104 (5), pp. 453-461 (2015).

63. "Use of the 2-chlorotriyl chloride resin for microwave-assisted solid phase peptide synthesis"

Ieronymaki, M., Androutsou, M.E., Pantelia, A., Friligou, I., Crisp, M., High, K., Penkman, K., Gatos, D., Tselios, T.

*Biopolymers*, 104 (5), pp. 506-514 (2015).

64. "Effect of immobilized *Lactobacillus casei* on volatile compounds of heat treated probiotic dry-fermented sausages"

Sidira, M., Kandyliis, P., Kanellaki, M., Kourkoutas, Y.

*Food Chemistry*, 178, pp. 201-207 (2015).

65. "Structure-activity relationships of two *Rhodnius prolixus* calcitonin-like diuretic hormone analogs"



- Zandawala, M., Poulos, C., Orchard, I.  
*Peptides*, 68, pp. 211-213 (2015).
66. “Study of polymer blend membranes composed of sulfonated polysulfone and PEO-grafted aromatic polyether with controllable morphology”  
Deimede, V., Nikitopoulou, K., Voegelé, A., Kallitsis, J.K.  
*European Polymer Journal*, 63, pp. 113-122 (2015).
67. “Lateral flow devices for nucleic acid analysis exploiting quantum dots as reporters”  
Sapountzi, E.L., Tragoulias, S.S., Kalogianni, D.P., Ioannou, P.C., Christopoulos, T.K.  
*Analytica Chimica Acta*, 864, pp. 48-54 (2015).
68. “Screening non-deletion  $\alpha$ -thalassaemia mutations in the HBA1 and HBA2 genes by high-resolution melting analysis”  
Petrovoulou, M., Poula, A., Traeger-Synodinos, J., Vrettou, C., Kanavakis, E., Christopoulos, T.K., Ioannou, P.C.  
*Clinical Chemistry and Laboratory Medicine*, 53 (12), pp. 1951-1959 (2015).
69. “Multi-allele DNA biosensor for the rapid genotyping of 'nondeletion' alpha thalassaemia mutations in HBA1 and HBA2 genes by means of multiplex primer extension reaction”  
Petrovoulou, M., Poula, A., Traeger-Synodinos, J., Kanavakis, E., Christopoulos, T.K., Ioannou, P.C.  
*Clinica Chimica Acta*, 446, pp. 241-247 (2015).
70. “Energy transfer within self-assembled cyclic multichromophoric arrays based on orthogonally arranged donor-acceptor building blocks”  
Karakostas, N., Kaloudi-Chantzea, A., Martinou, E., Seintis, K., Pitterl, F., Oberacher, H., Fakis, M., Kallitsis, J.K., Pistolis, G.  
*Faraday Discussions*, 185, pp. 433-454 (2015).
71. “Dinuclear lanthanide(III)/zinc(II) complexes with methyl 2-pyridyl ketone oxime”  
Anastasiadis, N.C., Polyzou, C.D., Kostakis, G.E., Bekiari, V., Lan, Y., Perlepes, S.P., Konidaris, K.F., Powell, A.K.  
*Dalton Transactions*, 44 (46), pp. 19791-19795 (2015).
72. “Increased expression of serglycin in specific carcinomas and aggressive cancer cell lines”  
Korpetinou, A., Papachristou, D.J., Lampropoulou, A., Bouris, P., Labropoulou, V.T., Noulas, A., Karamanos, N.K., Theocharis, A.D.  
*BioMed Research International*, 2015, art. no. 690721 (2015).
73. “Dinuclear, tetrakis(acetato)-bridged lanthanide(III) complexes from the use of 2-acetylpyridine hydrazone”  
Anastasiadis, N.C., Mylonas-Margaritis, I., Psycharis, V., Raptopoulou, C.P., Kalofolias, D.A., Milios, C.J., Klouras, N., Perlepes, S.P.  
*Inorganic Chemistry Communications*, 51, pp. 99-102 (2015).

74. “Impact of Extracellular Matrix on Cellular Behavior: A Source of Molecular Targets in Disease”  
Skandalis, S.S., Dobra, K., Götte, M., Karousou, E., Misra, S.  
*BioMed Research International*, 2015, art. no. 482879 (2015).
75. “Validated capillary electrophoretic assays for disaccharide composition analysis of galactosaminoglycans in biologic samples and drugs/nutraceuticals”  
Asimakopoulou, A.P., Malavaki, C., Afratis, N.A., Theocharis, A.D., Lamari, F.N., Karamanos, N.K.  
*Methods in Molecular Biology*, 1229, pp. 129-141 (2015).
76. “Fast screening of glycosaminoglycan disaccharides by fluorophore-assisted carbohydrate electrophoresis (face): Applications to biologic samples and pharmaceutical formulations”  
Karousou, E., Asimakopoulou, A.P., Zafeiropoulou, V., Viola, M., Monti, L., Rossi, A., Passi, A., Karamanos, N.  
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