

YEAR 2013

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

1. “The crystal structure of tris(4-aminophenylthio)arsine, As(SC₆H₄-4-NH₂)₃”
Ioannou, P.V., Moushi, E.E.
Main Group Chemistry, 12 (4), pp. 285-292 (2013).
2. “Cellular microenvironment in human pathologies”
Vigetti, D., Götte, M., Pavão, M.S.G., Theocharis, A.D.
BioMed Research International, 2013, art. no. 946958 (2013).
3. “Serglycin is implicated in the promotion of aggressive phenotype of breast cancer cells.”
Korpetinou, A., Skandalis, S.S., Moustakas, A., Happonen, K.E., Tveit, H., Prydz, K., Labropoulou, V.T., Giannopoulou, E., Kalofonos, H.P., Blom, A.M., Karamanos, N.K., Theocharis, A.D.
PloS one, 8 (10), art. no. e78157 (2013).
4. “Pre-treatment gelatinases' serum levels and post-treatment changes in laryngeal cancer patients”
Tsiropoulos, G., Papadas, T., Triantaphyllidou, I.E., Naxakis, S., Markou, K., Triaridis, S., Vital, I., Goumas, P., Vynios, D.H.
Hippokratia, 17 (3), pp. 220-227 (2013).
5. “Whey lactose fermentation by kefir immobilized on agro-industrial wastes”
Soupioni, M.
Lactose: Structure, Food Industry Applications and Role in Disorders, pp. 91-108 (2013).
6. “Detection of a latent soluble form of membrane type 1 matrix metalloprotease bound with tissue inhibitor of matrix metalloproteinases-2 in periprosthetic tissues and fluids from loose arthroplasty endoprostheses”
Niarakis, A., Giannopoulou, E., Ravazoula, P., Panagiotopoulos, E., Zarkadis, I.K., Aletras, A.J.
FEBS Journal, 280 (24), pp. 6541-6555 (2013).
7. “Ligand binding determinants for angiotensin II type 1 receptor from computer simulations”
Matsoukas, M.-T., Cordoní, A., Ríos, S., Pardo, L., Tselios, T.
Journal of Chemical Information and Modeling, 53 (11), pp. 2874-2883 (2013).
8. “Insights into AT1 Receptor Activation through AngII Binding Studies”
Matsoukas, M.-T., Potamitis, C., Plotas, P., Androutsou, M.-E., Agelis, G., Matsoukas, J., Zoumpoulakis, P.
Journal of Chemical Information and Modeling, 53 (11), pp. 2798-2811 (2013).

9. "Synthesis and characterization of two carbazole-based alternating copolymers with 4-nitrophenylcyanovinylene pendant groups and their use as electron donors for bulk heterojunction solar cells"
Sharma, G.D., Singh, M., Kurchania, R., Koukaras, E.N., Mikroyannidis, J.A.
RSC Advances, 3 (41), pp. 18821-18834 (2013).
10. "A MnII 6MnIII 6 single-strand molecular wheel with a reuleaux triangular topology: Synthesis, structure, magnetism, and DFT studies"
Zartilas, S., Papatriantafyllopoulou, C., Stamatatos, T.C., Nastopoulos, V., Cremades, E., Ruiz, E., Christou, G., Lampropoulos, C., Tasiopoulos, A.J.
Inorganic Chemistry, 52 (20), pp. 12070-12079 (2013).
11. "Divergent and convergent synthesis of polymannosylated dibranched antigenic peptide of the immunodominant epitope MBP(83-99)"
Friligou, I., Rizzolo, F., Nuti, F., Tselios, T., Evangelidou, M., Emmanouil, M., Karamita, M., Matsoukas, J., Chelli, M., Rovero, P., Papini, A.M.
Bioorganic and Medicinal Chemistry, 21 (21), pp. 6718-6725 (2013).
12. "The roles of hyaluronan/RHAMM/CD44 and their respective interactions along the insidious pathways of fibrosarcoma progression"
Nikitovic, D., Kouvidi, K., Karamanos, N.K., Tzanakakis, G.N.
BioMed Research International, 2013, art. no. 929531 (2013).
13. "Phenanthrene removal from aqueous solutions using well-characterized, raw, chemically treated, and charred malt spent rootlets, a food industry by-product"
Valili, S., Siavalas, G., Karapanagioti, H.K., Manariotis, I.D., Christanis, K.
Journal of Environmental Management, 128, pp. 252-258 (2013).
14. "Study of whey fermentation by kefir immobilized on low cost supports using 14C-labelled lactose"
Soupioni, M., Golfopoulos, A., Kanellaki, M., Koutinas, A.A.
Bioresource Technology, 145, pp. 326-330 (2013).
15. "Preparation of Pseudo-Arsonolipids: D1-2,3-Diacyloxybutane-1,4-Bis(Arsonic acids)"
Ioannou, P.V.
Phosphorus, Sulfur and Silicon and the Related Elements, 188 (10), pp. 1421-1426 (2013).
16. "Electric quadrupole moment and quadrupole polarizability of the copper dimer from high level ab initio and some density functional theory calculations"
Maroulis, G.
Computational and Theoretical Chemistry, 1021, pp. 233-239 (2013).
17. "Cross-linked high temperature polymer electrolytes"
Morfopoulou, C.I., Andreopoulou, A.K., Kallitsis, J.K.
Macromolecular Symposia, 331-332 (1), pp. 58-64 (2013).

18. "MIF attenuates the suppressive effect of dexamethasone on IL-6 production by nasal polyp"
Stathas, T., Athanassiou, S.D., Drakouli, S., Giannopoulou, E., Mastronikolis, N.S., Naxakis, S., Aletras, A.J.
European Review for Medical and Pharmacological Sciences, 17 (11), pp. 1455-1466 (2013).
19. "The reaction of British Anti-Lewisite (dimercaprol) with As(III), Sb(III), and Bi(III) oxides and salts"
Ioannou, P.V., Vachliotis, D.G., Kouli, O.
Main Group Chemistry, 12 (3), pp. 235-249 (2013).
20. "Thiolates of arsenic(III) and Bi(III) with the anti-hypertensive drug captopril"
Ioannou, P.V., Tsigoulis, G.M.
Main Group Chemistry, 12 (3), pp. 221-233 (2013).
21. "Molecular nanoscale magnetic refrigerants: A ferrimagnetic {Cu II 15GdIII 7} cage-like cluster from the use of pyridine-2,6-dimethanol"
Dermitzaki, D., Lorusso, G., Raptopoulou, C.P., Psycharis, V., Escuer, A., Evangelisti, M., Perlepes, S.P., Stamatatos, T.C.
Inorganic Chemistry, 52 (18), pp. 10235-10237 (2013).
22. "Efficient TGF β -induced epithelial-mesenchymal transition depends on hyaluronan synthase HAS2"
Porsch, H., Bernert, B., Mehić, M., Theocharis, A.D., Heldin, C.-H., Heldin, P.
Oncogene, 32 (37), pp. 4355-4365 (2013).
23. "Hyaluronidases and their inhibitors in the serum of colorectal carcinoma patients"
Kolliopoulos, C., Bounias, D., Bouga, H., Kyriakopoulou, D., Stavropoulos, M., Vynios, D.H.
Journal of Pharmaceutical and Biomedical Analysis, 83, pp. 299-304 (2013).
24. "The effect of synbiotics on acute radiation-induced diarrhea and its association with mucosal inflammatory and adaptive responses in rats"
Spyropoulos, B.G., Theodoropoulos, G., Misiakos, E.P., Stoidis, C.N., Zapatis, H., Diamantopoulou, K., Gialeli, C., Karamanos, N.K., Karatzas, G., Machairas, A., Fotiadis, C., Zografos, G.C., Kelekis, N., Kouloulis, V.
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25. "New approaches to the kinetic study of alcoholic fermentation by chromatographic techniques"
Lainioti, G.C., Karaiskakis, G.
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26. "Saccharomyces cerevisiae and Oenococcus oeni immobilized in different layers of a cellulose/starch gel composite for simultaneous alcoholic and malolactic wine fermentations"

Servetas, I., Berbegal, C., Camacho, N., Bekatorou, A., Ferrer, S., Nigam, P., Drouza, C., Koutinas, A.A.

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27. “Kinetic study of aggregation of milk protein and/or surfactant-stabilized oil-in-water emulsions by Sedimentation Field-Flow Fractionation”

Kenta, S., Raikos, V., Vagena, A., Sevastos, D., Kapolos, J., Koliadima, A., Karaiskakis, G.

Journal of Chromatography A, 1305, pp. 221-229 (2013).

28. “Low-temperature production of wine, beer, and distillates using cold-adapted yeasts”

Kanellaki, M., Bekatorou, A., Koutinas, A.A.

Cold-adapted Yeasts: Biodiversity, Adaptation Strategies and Biotechnological Significance, pp. 417-439 (2013).

29. “Uranium and other natural radionuclides in the sediments of a Mediterranean fjord-like embayment, Amvrakikos Gulf (Ionian Sea), Greece”

Papaefthymiou, H., Athanasopoulos, D., Papatheodorou, G., Iatrou, M., Geraga, M., Christodoulou, D., Kordella, S., Fakiris, E., Tsikouras, B.

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30. “Could growth factor-mediated extracellular matrix deposition and degradation offer the ground for directed pharmacological targeting in fibrosarcoma?”

Nikitovi, D., Berdiaki, A., Banos, A., Tsatsakis, A., Karamanos, N.K., Tzanakakis, G.N.

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31. “Characterization of Polymeric Coatings in Terms of Their Ability to Protect Marbles and Clays against Corrosion from Sulfur Dioxide by Inverse Gas Chromatography”

Bakaoukas, N., Sevastos, D., Kapolos, J., Koliadima, A., Karaiskakis, G.

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32. “Discarded oranges and brewer's spent grains as promoting ingredients for microbial growth by submerged and solid state fermentation of agro-industrial waste mixtures”

Aggelopoulos, T., Bekatorou, A., Pandey, A., Kanellaki, M., Koutinas, A.A.

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33. “Spatial and vertical distribution and risk assessment of natural radionuclides in soils surrounding the lignite-fired power plants in megalopolis basin, Greece”

Papaefthymiou, H.V., Manousakas, M., Fouskas, A., Siavalas, G.

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34. “Extracellular matrix degradation and tissue remodeling in periprosthetic loosening and osteolysis: Focus on matrix metalloproteinases, their endogenous tissue inhibitors, and the proteasome”

Syggelos, S.A., Aletras, A.J., Smirlaki, I., Skandalis, S.S.

- BioMed Research International*, 2013, art. no. 230805 (2013).
35. “Expression of syndecan-4 and correlation with metastatic potential in testicular germ cell tumours”
Labropoulou, V.T., Skandalis, S.S., Ravazoula, P., Perimenis, P., Karamanos, N.K., Kalofonos, H.P., Theocharis, A.D.
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36. “Diarylmethanofullerene: Efficient polymer solar cells with low-band-gap copolymer”
Singh, S.P., Kumar, C.P., Nagarjuna, P., Sharma, G.D., Biswas, S., Mikroyannidis, J.A.
Journal of Physical Chemistry C, 117 (26), pp. 13350-13356 (2013).
37. “Synthesis and evaluation of the antioxidative potential of minoxidil-polyamine conjugates”
Hadjipavlou-Litina, D., Magoulas, G.E., Bariamis, S.E., Tsimali, Z., Avgoustakis, K., Kontogiorgis, C.A., Athanassopoulos, C.M., Papaioannou, D.
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38. “Efficient dye-sensitized solar cells based on cosensitized metal free organic dyes with complementary absorption spectra”
Sharma, G.D., Prakash Singh, S., Nagarjuna, P., Mikroyannidis, J.A., Ball, R.J., Kurchania, R.
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39. “Facile and efficient syntheses of a series of N-benzyl and N-biphenylmethyl substituted imidazole derivatives based on (E)-urocanic acid, as angiotensin II AT1 receptor blockers”
Agelis, G., Kelaidonis, K., Resvani, A., Kalavrizioti, D., Androutsou, M.-E., Plotas, P., Vlahakos, D., Koukoulitsa, C., Tselios, T., Mavromoustakos, T., Matsoukas, J.
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40. “Racemic 2,3,4-triacyloxybutylarsonic acids: A new class of arsonolipids with three acyl chains”
Ioannou, P.V., Tsivgoulis, G.M., Lala, M.A.
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41. “Effect of ZnO concentration on the structure and charge transport in conductive polypyrrole/ZnO x% W/W composites with x = 10, 20, 30 and 40”
Dalas, E., Mougoyannis, P., Sakkopoulos, S.
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42. “Presence of hyaluronidase isoforms in nasal polyps”
Hatziri, A., Vynios, D.H., Panogeorgou, T., Bouga, H., Triantaphyllidou, I.E., Naxakis, S.S., Stathas, T., Aletras, A.J., Kourousis, C., Mastronikolis, N.S.
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43. “Dimethylphosphinato and dimethylarsinato complexes of group 13 metals and their chemistry”
Ioannou, P.V.
Monatshefte fur Chemie, 144 (6), pp. 793-802 (2013).
44. “Preclinical evaluation of zoledronate using an in vitro mimetic cellular model for breast cancer metastatic bone disease”
Dedes, P.G., Kanakis, I., Gialeli, C., Theocharis, A.D., Tsegenidis, T., Kletsas, D., Tzanakakis, G.N., Karamanos, N.K.
Biochimica et Biophysica Acta - General Subjects, 1830 (6), pp. 3625-3634 (2013).
45. “A novel experimental model of cervical spondylotic myelopathy (CSM) to facilitate translational research”
Karadimas, S.K., Moon, E.S., Yu, W.-R., Satkunendrarajah, K., Kallitsis, J.K., Gatzounis, G., Fehlings, M.G.
Neurobiology of Disease, 54, pp. 43-58 (2013).
46. “Comparison of methods for the characterization and quantification of carbon forms in estuarine and marine sediments from coal mining regions”
Siavalas, G., Werner, D., Karapanagioti, H.K., Bowler, B.F.J., Manning, D.A.C., Christanis, K.
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47. “In vitro reconstitution of complexes between pro-matrix metalloproteinase-9 and the proteoglycans serglycin and versican”
Malla, N., Berg, E., Theocharis, A.D., Svineng, G., Uhlin-Hansen, L., Winberg, J.-O.
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48. “Expression of matrix macromolecules and functional properties of EGF-responsive colon cancer cells are inhibited by panitumumab”
Gialeli, C., Theocharis, A.D., Kletsas, D., Tzanakakis, G.N., Karamanos, N.K.
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49. “Interactions of the potent synthetic AT1 antagonist analog BV6 with membrane bilayers and mesoporous silicate matrices”
Agelis, G., Resvani, A., Ntountaniotis, D., Chatzigeorgiou, P., Koukoulitsa, C., Androutsou, M.E., Plotas, P., Matsoukas, J., Mavromoustakos, T., Čendak, T., Godec, T.U., Mali, G.
Biochimica et Biophysica Acta - Biomembranes, 1828 (8), pp. 1846-1855 (2013).
50. “Special issue: Proteoglycans: Signaling, targeting and therapeutics: Introduction”
Karamanos, N.K., Linhardt, R.J.
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Tsonis, A.I., Afratis, N., Gialeli, C., Ellina, M.-I., Piperigkou, Z., Skandalis, S.S., Theocharis, A.D., Tzanakakis, G.N., Karamanos, N.K.
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52. "Cell-surface serglycin promotes adhesion of myeloma cells to collagen type I and affects the expression of matrix metalloproteinases"
Skiris, A., Labropoulou, V.T., Papachristou, D.J., Aletras, A., Karamanos, N.K., Theocharis, A.D.
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Karousou, E., Stachtea, X., Moretto, P., Viola, M., Vigetti, D., D'Angelo, M.L., Raio, L., Ghezzi, F., Pallotti, F., De Luca, G., Karamanos, N.K., Passi, A.
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54. "Imatinib as a key inhibitor of the platelet-derived growth factor receptor mediated expression of cell surface heparan sulfate proteoglycans and functional properties of breast cancer cells"
Malavaki, C.J., Roussidis, A.E., Gialeli, C., Kletsas, D., Tseggenidis, T., Theocharis, A.D., Tzanakakis, G.N., Karamanos, N.K.
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55. "Iron(III) chloride-benzotriazole adducts with trigonal bipyramidal geometry: Spectroscopic, structural and catalytic studies"
Anastasiadis, N.C., Bilis, G., Plakatouras, J.C., Raptopoulou, C.P., Psycharis, V., Beavers, C., Teat, S.J., Louloudi, M., Perlepes, S.P.
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56. "Dinuclear lanthanide(III) complexes by metal-ion-assisted hydration of Di-2-pyridyl ketone azine"
Anastasiadis, N.C., Granadeiro, C.M., Klouras, N., Cunha-Silva, L., Raptopoulou, C.P., Psycharis, V., Bekiari, V., Balula, S.S., Escuer, A., Perlepes, S.P.
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Manousakas, M., Eleftheriadis, K., Papaefthymiou, H.
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58. "Electronic properties of semiconducting polymer-functionalized single wall carbon nanotubes"
Kourkouli, S.N., Siokou, A., Stefopoulos, A.A., Ravani, F., Plocke, T., Müller, M., Maultzsch, J., Thomsen, C., Papagelis, K., Kallitsis, J.K.
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59. "Covalent cross-linking in phosphoric acid of pyridine based aromatic polyethers bearing side double bonds for use in high temperature polymer electrolyte membrane fuel cells"
Papadimitriou, K.D., Geormezi, M., Neophytides, S.G., Kallitsis, J.K.
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60. "Efficacy versus safety concerns for aerosol chemotherapy in non-small-cell lung cancer: A future dilemma for micro-oncology"
Darwiche, K., Zarogoulidis, P., Karamanos, N.K., Domvri, K., Chatzaki, E., Constantinidis, T.C., Kakolyris, S., Zarogoulidis, K.
Future Oncology, 9 (4), pp. 505-525 (2013).
61. "Expression and distribution of aggrecanases in human larynx: ADAMTS-5/aggrecanase-2 is the main aggrecanase in laryngeal carcinoma"
Filou, S., Stylianou, M., Triantaphyllidou, I.E., Papadas, T., Mastronikolis, N.S., Goumas, P.D., Papachristou, D.J., Ravazoula, P., Skandalis, S.S., Vynios, D.H.
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62. "A novel approach in potential anticoagulants from peptides epitope 558-565 of A2 subunit of factor VIII"
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Amino Acids, 44 (4), pp. 1159-1165 (2013).
63. "Rational design, efficient syntheses and biological evaluation of N,N'-symmetrically bis-substituted butylimidazole analogs as a new class of potent Angiotensin II receptor blockers"
Agelis, G., Resvani, A., Koukoulitsa, C., Tůmová, T., Slaninová, J., Kalavrizioti, D., Spyridaki, K., Afantitis, A., Melagraki, G., Sifaka, A., Gkini, E., Megariotis, G., Grdadolnik, S.G., Papadopoulos, M.G., Vlahakos, D., Maragoudakis, M., Liapakis, G., Mavromoustakos, T., Matsoukas, J.
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64. "Morphology of collisional nonlinear spectra in H₂-Kr and H₂-Xe mixtures"
Gaz, W., Bancewicz, T., Godet, J.-L., Maroulis, G., Haskopoulos, A.
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65. "Rare nuclearities, new structural motifs, and slow magnetization relaxation phenomena in manganese cluster chemistry: A Mn₁₅Na₂ cage from the use of triethanolamine/pivalate/azide "blend"
Alexandropoulos, D.I., Mazarakioti, E.C., Teat, S.J., Stamatatos, T.C.
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66. "Preface"
Christou, G., Blackman, A.G., Perlepes, S.P., Frank, N.L.
Polyhedron, 52, pp. 1-2 (2013).
67. "Hexanuclear zinc(II) carboxylate complexes from the use of pyridine-2,6-dimethanol: Synthetic, structural and photoluminescence studies"

Katsoulakou, E., Dermitzaki, D., Konidaris, K.F., Moushi, E.E., Raptopoulou, C.P., Psycharis, V., Tasiopoulos, A.J., Bekiari, V., Manessi-Zoupa, E., Perlepes, S.P., Stamatatos, T.C.

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68. “Copper(II)/di-2-pyridyl ketone chemistry: A triangular cluster displaying antisymmetric exchange versus an 1D coordination polymer”

Efthymiou, C.G., Raptopoulou, C.P., Psycharis, V., Tasiopoulos, A.J., Escuer, A., Perlepes, S.P., Papatriantafyllopoulou, C.

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Bancewicz, T., Maroulis, G.

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70. “γ-Alumina as a process advancing tool for a new generation biofuel”

Syngiridis, K., Bekatorou, A., Kallis, M., Kandyli, P., Kanellaki, M., Koutinas, A.A.

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71. “Significant enhancement in the power conversion efficiency of porphyrin based dye sensitized solar cell by co-sensitization with metal free dye”

Sharma, G.D., Panda, M.K., Roy, M.S., Mikroyannidis, J.A., Gad, E., Coutsolelos, A.G.

Journal of Renewable and Sustainable Energy, 5 (2), art. no. 023108 (2013).

72. “Employment of pyridyl oximes and dioximes in zinc(II) chemistry: Synthesis, structural and spectroscopic characterization, and biological evaluation”

Konidaris, K.F., Giouli, M., Raptopoulou, C.P., Psycharis, V., Verginadis, I.I., Vasiliadis, A., Afendra, A.S., Karkabounas, S., Manessi-Zoupa, E., Stamatatos, T.C.

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73. “An A-D-A small molecule based on the 3,6-dithienylcarbazole electron donor (D) unit and nitrophenyl acrylonitrile electron acceptor (A) units for solution processed organic solar cells”

Singh, M., Kurchania, R., Mikroyannidis, J.A., Sharma, S.S., Sharma, G.D.

Journal of Materials Chemistry A, 1 (6), pp. 2297-2306 (2013).

74. “Sequential association of anionic/thermosensitive diblock copolymers with cationic surfactants”

Oikonomou, E.K., Bokias, G., Iliopoulos, I., Kallitsis, J.K.

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75. “Cross-linked high temperature polymer electrolytes through oxadiazole bond formation and their applications in HT PEM fuel cells”

Morfopoulou, C.I., Andreopoulou, A.K., Daletou, M.K., Neophytides, S.G., Kallitsis, J.K.

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77. "Slow magnetization relaxation in unprecedented MnIII 4DyIII 3 and MnIII 4Dy III 5 clusters from the use of N -salicylidene-o- aminophenol"
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Bariamis, S.E, Marin, M., Athanassopoulos, C.M., Kontogiorgis, C., Tsimali, Z., Papaioannou, D., Sindona, G, Romeo, G., Avgoustakis, K., Hadjipavlou-Litina, D.
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79. "A database of topological representations of polynuclear nickel compounds"
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80. "Syndecan-2 is a key regulator of transforming growth factor beta 2/smad2-mediated adhesion in fibrosarcoma cells"
Mytilinaiou, M., Bano, A., Nikitovic, D., Berdiaki, A., Voudouri, K., Kalogeraki, A., Karamanos, N.K., Tzanakakis, G.N.
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