

Dr. Theodore Lazarides

1.1 Personal Information

Name: Theodore Lazarides

Work Address: Aristotle University of Thessaloniki, Department of Chemistry, Thessaloniki 54124, Greece

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1.2 Studies

5/2005 PhD in Chemistry

University of Sheffield, Department of Chemistry, Sheffield, UK. Thesis title: "Luminescent d-block metal polypyridyl complexes bearing secondary macrocyclic or non-macrocyclic binding sites." Supervisor: Professor Michael D. Ward.

10/2001 BSc in Chemistry

Aristotle University of Thessaloniki, Department of Chemistry

1.3 Professional Appointments

11/2015-

Assistant Professor, Department of Chemistry, Aristotle University of Thessaloniki (AUTH)

4/2014-11/2015

Lecturer, Department of Chemistry, Aristotle University of Thessaloniki (AUTH)

1/2012-4/2014

Lecturer, Department of Chemistry, University of Ioannina (Uoi)

1/2009-12/2011

Postdoctoral researcher in the European program FP7 BIOSOLENUTI (Research group of Prof. A. G. Coutsolelos), University of Crete, Department of Chemistry.

5/2009-11/2010

Military Service

10/2007-4/2009

Postdoctoral researcher in a research program titled "Luminescent Pt(II) complexes and organic dyes as sensitizers in photocatalytic hydrogen production schemes" [U.S. Department of Energy, Division of Basic Sciences (DEFG02-90ER14125)] (Research group of Prof. R. Eisenberg), University of Rochester, Department of Chemistry, Rochester, New York, USA.

11/2004-9/2007

Postdoctoral researcher in a research program titled "Luminescent d-metal complexes as low-energy donors for the sensitization of near infrared luminescence from lanthanides" [EPSRC of The United Kingdom], (Research group of Prof. M.D. Ward), University of Sheffield, Department of Chemistry, Sheffield, UK.

1.4 Scholarships and Fellowships

11/2001-11/2004

Scholarship of the Engineering and Physical Sciences Research Council (EPSRC, Swindon, UK), for a PhD by research at the University of Bristol of the UK under the supervision of Prof. M. D. Ward. In September of 2003, due to my supervisor's appointment there, I was transferred to the University of Sheffield where I graduated.

11/2004-9/2007

EPSRC of The United Kingdom fellowship for postdoctoral research, University of Sheffield, UK.

10/2007-4/2009

US Department of Energy fellowship for postdoctoral research, University of Rochester, USA.

1/2009-12/2011

FP7 European fellowship for postdoctoral research, University of Crete, Greece.

1.5 Research Programs

2014 – 2015

Support of Research Activity in AUTH, Support of new Lecturers from the AUTH research committee
Title: “Chiral lanthanide complexes for circularly polarized luminescence” T. Lazarides (**Principal Investigator**) budget 4000 Euros

1.6 Current Teaching

A. Undergraduate Level

First Year General Chemistry Courses to students of the Departments of Physics and Geology (Winter semester)

Inorganic Chemistry III (Coordination Chemistry) Department of Chemistry (Spring Semester)

Introductory Materials Chemistry Department of Chemistry (Spring Semester)

Bioinorganic Chemistry Department of Chemistry (Spring Semester)

B. Postgraduate Level

Characterization Methods in Inorganic Chemistry Department of Chemistry (Spring Semester)

Photochemistry and Photophysics Department of Chemistry (Spring Semester)

1.7 Current Supervision and Mentoring

- S. Diamantis (**PhD candidate, 2016-, MSc completed in 2016 with TL**)
- D. Andriotou, A. Chatz-giahia (**MSc students, 2017 -**)
- V. Nikolopoulou, C. Roukounaki (**Undergraduate project students, 2018 -**)

1.8 Research Interests

- Synthesis and photophysical study of precious metal complexes (Ru^{II}, Re^I, Pt^{II}, Ir^{III}, Au^I)
- Synthesis and study of luminescent lanthanide complexes (Eu^{III}, Tb^{III}, Nd^{III}, Pr^{III}, Er^{III}, Yb^{III})
- Synthesis, photophysical and electrochemical study of multichromophoric systems (supramolecular photochemistry)
- Synthesis and study of luminescent Metal-Organic Frameworks (MOFs) with potential applications as sensors, photocatalysts and phosphors

1.9 Research Output Statistics

The table below gives a brief account of the impact of my research activities

Publications in peer reviewed journals:	45
Total citations:	2250 (source: Scopus)
Hetero-citations (excluding all autors):	2180 (source: Scopus)
Hetero-citations per publication:	36.9 (source: Scopus)
Mean impact factor:	5.16
h-index (based on total citations):	26 (source: Scopus)

1.10 Editorial Activity

- Associate Editor of *RSC Advances* (2016 - present)

2. SCIENTIFIC PUBLICATIONS

2.1 PhD Thesis

- A.1 “Luminescent d-block Metal Polypyridyl Complexes Bearing Secondary Macrocyclic or non-Macrocyclic Binding Sites” **Theodore Lazarides**, University of Sheffield, 2005.

2.2 Publications in Peer Reviewed Journals

- B.1 **T. Lazarides**, T.A. Miller, J.C. Jeffery, T.K. Ronson, H. Adams, M.D. Ward, «Luminescent complexes of Re(I) and Ru(II) with appended macrocycle groups derived from 5,6-dihydroxyphenanthroline: cation and anion binding», *Dalton Trans.* **2005**, 528-536. [DOI: 10.1039/B416293E]
- B.2 N.M. Shavaleev, G. Accorsi, D. Virgili, Z.R. Bell, **T. Lazarides**, G. Calogero, N. Armaroli, M.D. Ward, “Syntheses and crystal structures of dinuclear complexes containing d-block and f-block luminophores. Sensitization of NIR luminescence from Yb(III), Nd(III), and Er(III) centers by energy transfer from Re(I) and Pt(II)-bipyrimidine metal centers”, *Inorg. Chem.* **2005**, *44*, 61-72. [DOI: 10.1021/ic048875s]
- B.3 T.K. Ronson, **T. Lazarides**, H. Adams, S.J.A. Pope, D. Sykes, S. Faulkner, S.J. Coles, M.B. Hursthouse, W. Clegg, R. W. Harrington, M.D. Ward, “Luminescent Pt-II(bipyridyl)(diacetylide) chromophores with pendant binding sites as energy donors for sensitised near-infrared emission from lanthanides: Structures and photophysics of Pt-II/Ln(III) assemblies”, *Chem-Eur. J.* **2006**, *12*, 9299-9313. [DOI: 10.1002/chem.200600698] **Cited 135 times**
- B.4 **T. Lazarides**, G.M. Davies, H. Adams, C. Sabatini, F. Barigelletti, A. Barbieri, S.J.A. Pope, S. Faulkner, M.D. Ward, “Ligand-field excited states of hexacyanochromate and hexacyanocobaltate as sensitizers for near-infrared luminescence from Nd(III) and Yb(III) in cyanide-bridged d-f assemblies”, *Photochem. Photobiol. Sci.* **2007**, *6*, 1152-1157. [DOI: 10.1039/B708683K]
- B.5 **T. Lazarides**, M.A.H. Alamiry, H. Adams, S.J.A. Pope, S. Faulkner, J.A. Weinstein, M.D. Ward, “Anthracene as a sensitizer for near-infrared luminescence in complexes of Nd(III), Er(III) and Yb(III): an unexpected sensitisation mechanism based on electron transfer”, *Dalton. Trans.* **2007**, 1484-1491. (**cover article, hot article**) [DOI: 10.1039/B700714K]
- B.6 **T. Lazarides**, A. Barbieri, C. Sabatini, F. Barigelletti, H. Adams, M.D. Ward, “Photoinduced energy transfer between Re(I) and Ru(II) termini connected through a new exo-ditopic bis-phenanthroline ligand fused to a central macrocycle spacer: Synthesis, structure, and electrochemical and photophysical properties of a heterodinuclear complex”, *Inorg. Chim. Acta.* **2007**, *360*, 814-824. [DOI: 10.1016/j.ica.2006.04.029]
- B.7 **T. Lazarides**, T.L. Easun, C. Veyne-Marti, W.Z. Alsindi, M.W. George, N. C.A. Hunter, H. Adams, M.D. Ward, “Structural and photophysical properties of adducts of [Ru(bipy)(CN)₄]²⁻ with different metal cations: Metallochromism and its use in switching photoinduced energy transfer”, *J. Am. Chem. Soc.* **2007**, *129*, 4014-4027. [DOI: 10.1021/ja068436n]
- B.8 **T. Lazarides**, D. Sykes, S. Faulkner, A. Barbieri, M.D. Ward, "On the Mechanism of d-f Energy Transfer in Ru-II/Ln(III) and Os-II/Ln(III) Dyads: Dexter-Type Energy Transfer Over a Distance of 20 Angstrom", *Chem.-Eur. J.* **2008**, *14*, 9389-9399. [DOI: 10.1002/chem.200800600] **Cited 85 times**
- B.9 **T. Lazarides**, H. Adams, D. Sykes, S. Faulkner, G. Calogero, M.D. Ward, "Heteronuclear bipyrimidine-bridged Ru-Ln and Os-Ln dyads: low-energy ³(MLCT) states as energy-donors to Yb(III) and Nd(III)", *Dalton. Trans.* **2008**, 691-698. [DOI: 10.1039/B714640J]
- B.10 **T. Lazarides**, N.M. Tart, D. Sykes, S. Faulkner, A. Barbieri, M.D. Ward, “[Ru(bipy)₃]²⁺ and [Os(bipy)₃]²⁺ chromophores as sensitizers for near-infrared luminescence from Yb(III) and Nd(III) in d/f dyads: contributions from Förster, Dexter, and redox-based energy-transfer mechanisms”, *Dalton. Trans.* **2009**, 3971-3979. (This article is part of themed collection: Supramolecular Photochemistry) [DOI: 10.1039/B901560D]
- B.11 J. Schneider, P.W. Du, P. Jarosz, **T. Lazarides**, X.Y. Wang, W.W. Brennessel, R. Eisenberg, “Cyclometalated 6-Phenyl-2,2'-bipyridyl (CNN) Platinum(II) Acetylide Complexes: Structure,

- Electrochemistry, Photophysics, and Oxidative- and Reductive-Quenching Studies”, *Inorg. Chem.* **2009**, *48*, 4306-4316. [DOI: 10.1021/ic801947v]
- B.12 **T. Lazarides**, T. McCormick, P.W. Du, G.G. Luo, B. Lindley, R. Eisenberg, “Making Hydrogen from Water Using a Homogeneous System Without Noble Metals”, *J. Am. Chem. Soc.* **2009**, *131*, 9192-9194. [DOI: 10.1021/ja903044n] **Cited 346 times**
- B.13 D. Daphnomili, M. Grammatikopoulou, C. Raptopoulou, G. Charalambidis, **T. Lazarides**, A.G. Coutsolelos, “A Synthetic Approach of New Trans-Substituted Hydroxylporphyrins”, *Bioinorganic Chemistry and Applications*, vol. 2010, Article ID 307696, 6 pages, **2010** (a special issue dedicated to Professor Nick Hadjiliadis in recognition of his great contribution for the advancement of Bioinorganic and Inorganic Chemistry, both in Greece and internationally, and for his retirement). [doi:10.1155/2010/307696]
- B.14 **T. Lazarides**, T.M. McCormick, K.C. Wilson, S. Lee, D.W. McCamant, R. Eisenberg, “Sensitizing the Sensitizer: The Synthesis and Photophysical Study of Bodipy-Pt(II)(diimine)(dithiolate) Conjugates”, *J. Am. Chem. Soc.* **2011**, *133*, 350-364. [DOI: 10.1021/ja1070366]
- B.15 R.P. Sabatini, T.M. McCormick, **T. Lazarides**, K.C. Wilson, R. Eisenberg, D.W. McCamant, “Intersystem Crossing in Halogenated Bodipy Chromophores Used for Solar Hydrogen Production”, *J. Phys. Chem. Lett.* **2011**, *2*, 223-227. [DOI: 10.1021/jz101697y]
- B.16 Charalambidis, E. Kasotakis, **T. Lazarides**, A. Mitraki, A.G. Coutsolelos, “Self-Assembly Into Spheres of a Hybrid Diphenylalanine-Porphyrin: Increased Fluorescence Lifetime and Conserved Electronic Properties”, *Chem.-Eur. J.* **2011**, *17*, 7213-7219. [DOI: 10.1002/chem.201100362]
- B.17 **T. Lazarides**, G. Charalambidis, A. Vuillamy, M. Reglier, E. Klontzas, G. Froudakis, S. Kuhri, D.M. Guldi, A.G. Coutsolelos, “Promising Fast Energy Transfer System via an Easy Synthesis: Bodipy-Porphyrin Dyads Connected via a Cyanuric Chloride Bridge, Their Synthesis, and Electrochemical and Photophysical Investigations”, *Inorg. Chem.* **2011**, *50*, 8926-8936. [DOI: 10.1021/ic201052k]
- B.18 **T. Lazarides**, S. Kuhri, G. Charalambidis, M.K. Panda, D.M. Guldi, A.G. Coutsolelos, “Electron vs Energy Transfer in Arrays Featuring Two Bodipy Chromophores Axially Bound to a Sn(IV) Porphyrin via a Phenolate or Benzoate Bridge”, *Inorg. Chem.* **2012**, *51*, 4193-4204. [DOI: 10.1021/ic2026472]
- B.19 K. Ladomenou, **T. Lazarides**, M.K. Panda, G. Charalambidis, D. Daphnomili, A.G. Coutsolelos, “Meso-substituted Porphyrin Derivatives via Palladium-Catalyzed Amination Showing Wide Range Visible Absorption: Synthesis and Photophysical Studies”, *Inorg. Chem.* **2012**, *51*, 10548-10556. [DOI: 10.1021/ic300714n]
- B.20 K. Peuntinger, **T. Lazarides**, D. Dafnomili, G. Charalambidis, G. Landrou, A. Kahnt, R.P. Sabatini, D.W. McCamant, D.T. Gryko, A.G. Coutsolelos, D.M. Guldi, “Photoinduced Charge Transfer in Porphyrin-Cobaloxime and Corrole-Cobaloxime Hybrids” *J. Phys. Chem. C* **2013**, *117*, 1647-1655. [DOI: 10.1021/jp311766s]
- B.21 **T. Lazarides**, I.V. Sazanovich, A.J. Simaan, M.C. Kafentzi, M. Delor, Y. Mekmouche, B. Faure, M. Reglier, J.A. Weinstein, A.G. Coutsolelos, T. Tron, “Visible Light-Driven O₂ Reduction by a Porphyrin-Laccase System”, *J. Am. Chem. Soc.* **2013**, *135*, 3095-3103. [DOI: 10.1021/ja309969s]
- B.22 C. Stangel, K. Ladomenou, G. Charalambidis, M.K. Panda, **T. Lazarides**, A.G. Coutsolelos, Synthesis, Characterization and Electronic Properties of trans-[4-(Alkoxy-carbonyl)phenyl]porphyrin-[Ru^{II}(bipy)₃]²⁺ Complexes or Boron-Dipyrin Conjugates as Panchromatic Sensitizers for DSSCs” *Eur. J. Inorg. Chem.* **2013**. 1275-1286. [DOI: 10.1002/ejic.201201248]
- B.23 C. Stangel, D. Daphnomili, **T. Lazarides**, M. Drev, U.O. Krasovec, A.G. Coutsolelos, “Noble metal porphyrin derivatives bearing carboxylic groups: Synthesis, characterization and photophysical study” *Polyhedron* **2013**, *52*, 1016-1023. (SPECIAL ISSUE 100th ANNIVERSARY OF THE AWARD OF THE 1913 NOBEL PRIZE IN CHEMISTRY TO ALFRED WERNER: A CELEBRATION). [DOI: 10.1016/j.poly.2012.06.080]
- B.24 **T. Lazarides**, M. Delor, I.V. Sazanovich, T.M. McCormick, I. Georgakaki, G. Charalambidis, J.A. Weinstein, A.G. Coutsolelos “Photocatalytic hydrogen production from a noble-metal-free system based on a water soluble porphyrin derivative and a cobaloxime catalyst” *Chem. Commun.* **2014**, *50*, 521-523. [DOI: 10.1039/c3cc45025b]

- B.25 M. Vasilopoulou, D. G. Georgiadou, A. M. Douvas, A. Soultati, V. Constantoudis, D. Davazoglou, S. Gardelis, L. C. Palilis, M. Fakis, S. Kennou, **T. Lazarides**, A. G. Coutsolelos, P. Argitis, "Porphyrin oriented self-assembled nanostructures for efficient exciton dissociation in high-performing organic photovoltaics" *J. Mater. Chem. A*, **2014**, 2, 182-192. [DOI: 10.1039/C3TA13107F]
- B.26 S. Kuhri, G. Charalambidis, P.A. Angaridis, **T. Lazarides**, G. Pagona, N. Tagmatarchis, A.G. Coutsolelos, D.M. Guldi, "A new approach for the photosynthetic Antenna-Reaction Center Complex with a model organized around a s-triazine linker", *Chem.-Eur. J.* **2014**, 20, 2049-2057. [DOI: 10.1002/chem.201302632]
- B.27 E. J. Kyprianidou, **T. Lazarides**, S. Kaziannis, C. Kosmidis, G. Itskos, M.J. Manos, A.J. Tasiopoulos, "Single Crystal Coordinating Solvent Exchange as a General Method for the Insertion of Functional Groups into Lanthanide MOFs and Enhancement of Their Photoluminescence Properties", *J. Mater. Chem. A*, **2014**, 2, 5258-5266. [DOI: 10.1039/C3TA14489E]
- B.28 P. Angaridis, **T. Lazarides**, A. G. Coutsolelos "Functionalized porphyrin derivatives for solar energy conversion" *Polyhedron*, **2014**, 82, 19-32. (invited review). [DOI: 10.1016/j.poly.2014.04.039]
- B.29 A. Douvali, A. C. Tsipis, S. V. Eliseeva, S. Petoud, G. S. Papaefstathiou, C. D. Malliakas, I. Papadas, G. S. Armatas, I. Margiolaki, M. G. Kanatzidis, **T. Lazarides**,* M. J. Manos* "Turn-on luminescence sensing and real-time detection of traces of water in organic solvents by a flexible metal-organic framework" *Angew. Chem. Int. Ed.*, **2015**, 54, 1651-1656. [DOI: 10.1002/anie.201410612] **Cited 65 times**
- B.30 M. K. Panda, **T. Lazarides**, G. Charalambidis, V. Nikolaou, A. G. Coutsolelos "Five-coordinate indium(III) porphyrins with hydroxy and carboxy BODIPY as axial ligands: Synthesis, characterization and photophysical studies" *Eur. J. Inorg. Chem.* **2015**, 468-477.
- B.31 A. Douvali, G. S. Papaefstathiou, M. P. Gullo, A. Barbieri, A. C. Tsipis, C. D. Malliakas, M. G. Kanatzidis, I. Papadas, G. S. Armatas, A. G. Hatzidimitriou, **T. Lazarides**,* Manos, M.J.* "Alkaline Earth Metal Ion/Dihydroxy-Terephthalate MOFs: Structural Diversity and Unusual Luminescent Properties" *Inorg. Chem.* **2015**, 54, 5813-5826.
- B.32 R. P. Sabatini, B. Lindley, T. M. McCormick, **T. Lazarides**, W. W. Brennessel, D. W. McCamant, R. Eisenberg, "Efficient Bimolecular Mechanism of Photochemical Hydrogen Production Using Halogenated Boron-Dipyrromethene (Bodipy) Dyes and a Bis(dimethylglyoxime) Cobalt(III) Complex" *J. Phys. Chem. B*, **2016**, 120, 527-534. **Cited 9 times**.
- B.33 S. Rapti, A. Pournara, D. Sarma, I. T. Papadas, G. S. Armatas, A. C. Tsipis, **T. Lazarides**, M. G. Kanatzidis, M. J. Manos, "Selective capture of hexavalent chromium from an anion-exchange column of metal organic resin-alginic acid composite" *Chem. Sci.*, **2016**, 7, 2427-2436. **Cited 23 times**.
- B.34 Rapti, S., Sarma, D., Diamantis, S.A., Skliri, E., Armatas, G.S., Tsipis, A.C., Hassan, Y.S., Alkordi, M., Malliakas, C.D., Kanatzidis, M.G., **Lazarides, T.**,* Plakatouras, J.C.,* Manos, M.J.* "All in one porous material: Exceptional sorption and selective sensing of hexavalent chromium by using a Zr⁴⁺ MOF" *J. Mater. Chem. A*, 2017, 5, 14707-14719. **Cited 4 times**.
- B.35 Tsovaltzi, E., Malamidou-Xenikaki, E., Dalezis, P., Hatzidimitriou, A., **Lazarides, T.**, Trafalis, D., Sarli, V. "Synthesis and analysis of the anticancer activity of Ru(II) complexes incorporating 2-hydroxymethylidene-indene-1,3-dione ligands" *N. J. Chem.*, **2017**, 41, 10438-10446.
- B.36 Papazoi, E., Douvali, A., Rapti, S., Skliri, E., Armatas, G.S., Papaefstathiou, G.S., Wang, X., Huang, Z.-F., Kaziannis, S., Kosmidis, C., Hatzidimitriou, A.G., **Lazarides, T.**,* Manos, M.J.* "A microporous Mg²⁺ MOF with cation exchange properties in a single-crystal-to-single-crystal fashion" (2017) *Inorg. Chem. Front.*, **2017**, 4, 530-536.
- B.37 Kumar, P., Kim, K.-H., Bansal, V., **Lazarides, T.**, Kumar, N. "Progress in the sensing techniques for heavy metal ions using nanomaterials" *J. Ind. Eng. Chem*, **2017** 54, 30-43.
- B.38 Chatzisideri, T., Thysiadis, S., Katsamakos, S., Dalezis, P., Sigala, I., **Lazarides, T.**, Nikolakaki, E., Trafalis, D., Gederaas, O.A., Lindgren, M., Sarli, V. "Synthesis and biological evaluation of a Platinum(II)-c(RGDyK) conjugate for integrin-targeted photodynamic therapy" *Eur. J. Med. Chem.*, **2017**, 141, 221-231.

- B.39 S. Lympelopoulou, **T. Lazarides**, C. Papachristodoulou, C. P. Raptopoulou, V. Psycharis and J. C. Plakatouras "Synthesis, structural characterization, and fluorescence of a series of 1D rare earth coordination polymers with a substituted iminodiacetate ligand" *Inorg. Chim. Acta*, **2018**, 472, 276-282.
- B.40 S. A. Diamantis, A. Margariti, A. D. Pournara, G. S. Papaefstathiou*, M. J. Manos* and **T. Lazarides*** "Luminescent metal-organic frameworks as chemical sensors: Common pitfalls and proposed best practices" *Inorg. Chem. Front.*, **2018**, 5, 1493-1511. (invited review)
- B.41 A. D. Pournara, A. Douvali, S. Diamantis, G. S. Papaefstathiou, A. G. Hatzidimitriou, S. Kaziannis, C. Kosmidis, **T. Lazarides*** and M. J. Manos* "A new Cd²⁺-dihydroxyterephthalate MOF: Synthesis, crystal structure and detailed photophysical studies" *Polyhedron*, **2018**, 151, 401-406.
- B.42 I. Mylonas-Margaritis, M. Winterlich, C. G. Efthymiou, **T. Lazarides**, P. McArdle and C. Papatriantafyllopoulou "New insights into oximic ligands: Synthesis and characterization of 1D chains by the use of pyridine 2-amidoxime and polycarboxylates" *Polyherdron*, **2018**, 151, 360-368.
- B.43 A. Margariti, A. D. Pournara, M. J. Manos, **T. Lazarides*** and G. S. Papaefstathiou* "Towards white-light emission by Tb³⁺/Eu³⁺ substitution in a Ca²⁺ framework" *Polyhedron*, **2018**, 153, 24-30.
- B.44 S. A. Diamantis, A. D. Pournara, A. G. Hatzidimitriou, M. J. Manos, G. S. Papaefstathiou and **T. Lazarides*** "Two new alkaline earth metal organic frameworks with the diamino derivative of biphenyl-4,4'-dicarboxylate as bridging ligand: Structures, fluorescence and quenching by gas phase aldehydes" *Polyhedron*, **2018**, 153, 173-180.
- B.45 S. Rapti, S. A. Diamantis, A. Dafnomili, A. Pournara, E. Skliri, G. S. Armatas, A. C. Tsipis, I. Spanopoulos, C. D. Malliakas, M. G. Kanatzidis, J. C. Plakatouras*, F. Noli*, **T. Lazarides*** and M. J. Manos* "Exceptional TcO⁴⁻ sorption capacity and highly efficient ReO⁴⁻ luminescence sensing by Zr⁴⁺ MOFs" *J. Mater. Chem. A*, **2018**, 6, 20813-20821.

2.3 Recent Participation in Conferences and Meetings

- C.1 **T. Lazarides**, Fourth North America-Greece-Cyprus Workshop on Paramagnetic Materials, **2011, Patras, Greece** "The importance of triplet states for photocatalytic hydrogen production" (oral presentation).
- C.2 **T. Lazarides** et. al., 12th Eurasia Conference on Chemical Sciences, **2012, Corfu, Greece** "Electron vs Energy Transfer in Arrays Featuring Two Bodipy Chromophores Axially Bound to a Sn(IV) Porphyrin via a Phenolate or Benzoate Bridge" (oral presentation).
- C.3 **T. Lazarides**, World Congress of IFNA, **2012, Athens, Greece**, "Luminescent lanthanide complexes and their potential applications in biological imaging and sensing" (oral presentation).
- C.4 **T. Lazarides** et. al., Fifth North America-Greece-Cyprus Workshop on Paramagnetic Materials, **2013, Limassol, Cyprus** "Photocatalytic hydrogen production with porphyrins as sensitizers and cobaloximes as catalysts: comparison between diffusion controlled and bridged systems" (oral presentation).
- C.5 **T. Lazarides** et. al., Fifth North America-Greece-Cyprus Workshop on Paramagnetic Materials, **2013, Limassol, Cyprus** "Photocatalytic hydrogen production with porphyrins as sensitizers and cobaloximes as catalysts: comparison between diffusion controlled and bridged systems" (oral presentation).
- C.6 **T. Lazarides** et. al. 12th Greece-Cyprus Chemistry Conference, **2015, Thessaloniki, Greece** "Turn-on luminescence sensing and real-time detection of traces of water in organic solvents by a flexible metal-organic framework" (oral presentation).
- C.7 **T. Lazarides** et. al. Sixth North America - Greece - Cyprus Workshop on Paramagnetic Materials 2015 Athens, Greece "Synthesis and Photophysical Properties of New Lanthanide Metal-Organic Frameworks" (Invited oral presentation)

- C.8 **T.Lazarides** et. al. Seventh North America - Greece - Cyprus Workshop on Paramagnetic Materials **2017 Paphos, Cyprus** "Water Sensing in Ethanol by a Luminescent La³⁺ MOF" (Invited oral presentation).
- C.9 **T.Lazarides** et. al. 8th North America-Greece-Cyprus Workshop on Paramagnetic Materials, 2018, Mystras, Greece "Towards white light luminescence from Eu- and Tb-doped lanthanum Metal-Organic Frameworks" (Invited oral presentation)
- C.10 **T.Lazarides** et. al. 9th International Conference of the Hellenic Crystallographic Association, **2018, Patras, Greece** "Structural diversity in alkaline earth metal-organic frameworks with amino derivatives of aromatic dicarboxylates as bridging ligands" (Invited oral presentation)

2.3 Invited Seminars

Invited Speaker, University of Athens, Department of Chemistry, May 2016 "Water detection in Organic Solvents with a Fluorescent MOF: Photophysics and crystal transformations"