**Publications**

**1995**

1. Molecular Diffusion and Fluorescence Energy-Transfer Studies in Thin Surfactant Films Papoutsi,D., Bekiari,V., Stathatos,E., Lianos,P., Langmuir 11(1995)4355.

**1997**

1. Nanocrystallite Titanium Dioxide Films Made by the Sol-Gel Method using Reverse Micelles. Stathatos,E., Lianos,P., Del Monte,F. Levy,D., Tsiourvas,D. Journal of Sol-Gel Science and Technology 10, (1997)83-89.
2. Photophysical Properties of an Amphiphilic Cationic Hemicyanine Dye in Solution and Adsorbed on a TiO2 Mesoporous Film. E,Stathatos P,Lianos, A. Laschewsky , Langmuir, 13, (1997),259-263.
3. Formation of TiO2 nanoparticles in reverse micelles and their deposition as thin films on glass substrates. E.Stathatos, P.Lianos, F.D.Monte, D.Levy, D.Tsiourvas. Langmuir, 13, (1997),4295-4300.

**1998**

1. Spectral narrowing in the emission of Rhodamine 6G incorporated in Thin surfactant films. E.Stathatos, S.Couris and P.Lianos S.P.I.E .-The International Society for Optical Engineering vol.3423 (1998) p.224.
2. Fluorescence Probing of Composite Organic/Inorganic Transparent Matrices V.Bekiari, M.Ferrer, E.Stathatos and P.Lianos. Journal of Sol-Gel Science and Technology 13, (1998),96-98.

**1999**

1. Titanium dioxide films made from reverse micelles and their use for the photocatalytic degradation of adsorbed dyes. E.Stathatos, D.Tsiourvas, and P.Lianos. Colloids and Surfaces A 149, (1999) 49-56.
2. Spectral narrowing in a Rhodamine doped Layered TiO2/surfactant thin film. E.Stathatos, P.Lianos, S.Couris Applied Physics Letters, vol.75, No3, p.319 (1999).

**2000**

1. Photocatalytically deposited silver nanoparticles on mesoporous TiO2 films. E.Stathatos , P.Lianos, P.Falaras, A.Siokou. Langmuir 16, (2000), 2398-2400.
2. Photophysical behavior of a new gemini surfactant in neat solvents and in micellar environments. E. Stathatos, P.Lianos, R.Rakotoaly, A.Laschewsky, R.Zana. Journal of Colloid and Interface science 227, (2000),476-481.
3. Structural Study of Hybrid Organic/Inorganic Polymer Gels by using Time-Resolving Fluorescence Probing. Elias Stathatos, , Panagiotis Lianos. Urska Lavrenciz, Boris Orel and Patrick Judeinstein. Langmuir 16, (2000),8672.

 **2001**

1. Studies on Hybrid Organic/Inorganic Nanocomposite Gels using photoluminescence techniques. V.Bekiari, E.Stathatos, P.Lianos, U.Stangar, B.Orel, P.Judeinstein. MONATSHEFTE FUR CHEMIE 132, (2001), 97-102.
2. Titanium dioxide nanoparticle films made by using poly(ethylene glycol) oligomers as templetes. E.Stathatos, P.Lianos, P.Falaras. Progress in Colloid and Polymer Science vol.118, Issue 1, 96-99, (2001).
3. Composite matrices made with SiO2 and poly(ethyleneglycol) oligomers, used as electrolyte supports in dye-sensitized photovoltaic cells: E.Stathatos and P.Lianos, C. Krontiras. J.Phys.Chem. B , 105,3486, (2001).
4. Photophysical properties and laser action in solution and in thin films of a new blue-emitting conjugated polymer comprising flexible alkyl chains. V.Bekiari, E.Stathatos, P.Lianos, F.Konstandakopoulou, J.Kallitsis, S.Couris. Journal of Luminescence 93,(2001),443.
5. Synthesis of a hemicyanine dye bearing two carboxylic groups and its use as photosensitizer in Dye-Sensitized Photoelectrochemical Cells. E.Stathatos, P. Lianos, André Laschewsky, Olivier Ouari, Pierre Van Cleuvenbergen, Chemistry of Materials 13,11(2001),3888.
6. Amplified Spontaneous Emission and Laser Action from dilute solutions of substituted p-oligophenylenes. M.Ciaris,C.Gravalos, E.Stathatos and P. Lianos. Optical Materials 18,(2001),351.
7. Study of Laser Action of Coumarine-153 incorporated in Sol-gel made silica/poly(propylene oxide) nanocomposite gels. Elias Stathatos, Panagiotis Lianos, Urska Lavrencic Stangar and Boris Orel. Chemical Physics Letters 345, (2001) ,381-385.
8. Study of the efficiency of visible light photocatalytic degradation of Basic Blue adsorbed on pure and doped mesoporous titania films. Elias Stathatos, Tatyana Petrova and Panagiotis Lianos  Langmuir, 17(16),(2001),5025.

 **2002**

1. Photophysical behavior of a homologous series of amphiphilic hemicyanine dyes in thin AOT films. L.Gallos, E.Stathatos, P.Lianos, P.Argyrakis. Chemical Physics 275 (2002) 253-260.
2. Organic/inorganic nanocomposite gels employed as electrolyte supports in Dye-sensitized photoelectrochemical cells. Elias Stathatos and Panagiotis Lianos International Journal of Photoenergy vol 4, issue1, (2002) 11-16.
3. In-situ Resonance Raman studies of a dye-sensitized photoelectrochemical cell with a sol-gel electrolyte. Urska Lavrencic Stangar, Boris Orel, N.Groselj, Ph.Colomban, Elias Stathatos and Panagiotis Lianos. J. New Mat. Electrochem. Systems vol.5 (2002) 223-231.
4. In-situ Resonance Raman Microspectroscopy of a solid-state dye-sensitized photoelectrochemical cell Urska Lavrencic Stangar, Boris Orel, Ph.Colomban Elias Stathatos and Panagiotis Lianos Journal of Electrochemical Society (2002), 149(11), E413-E423.
5. A high performance solid state Dye-sensitized Photoelectrochemical Cell employing a nanocomposite gel electrolyte made by the sol-gel route. Elias Stathatos, Panagiotis Lianos, Urska Lavrencic Stangar and Boris Orel. Advanced Materials 2002,14,No5,354.
6. Study of photoluminescence of europium-thenoyltrifluoroacetone-bipyridine complexes incorporated in Ureaasil films. R.Moleski, E.Stathatos, V.Bekiari, P.Lianos Thin Solid Films 416/1-2, 279-283, (2002).

 **2003**

1. A Sol-Gel Type of electrolyte for a Dye-Sensitized Solar Cell: Attenuated Total Reflectance (ATR) Vibrational Spectra Studies. U.Lavrencic-Stangar, B.Orel, B.Neumann, E.Stathatos and P. Lianos. Journal of Sol-Gel Science and Technology 26,(2003),1113-1118.
2. Electroluminescence by a Sm3+-diketonate-phenanthroline complex. Elias Stathatos, Panagiotis Lianos, Evgenios Evgeniou and Anastasios Keramidas Synthetic Metals 139, (2003), 433-437.
3. A Quasi-solid state dye-sensitized solar cell based on a sol-gel nanocomposite electrolyte containing ionic liquid. E.Stathatos, P.Lianos, S.M. Zakeeruddin, P.Liska, M.Graetzel. Chemistry of Materials 15(9), 1825, (2003).
4. Study of acetic-acid-catalyzed nanocomposite organic/inorganic ureasil sol-gel ionic conductors. E.Stathatos, P.Lianos, B.Orel, A.Surca Vuk, R.Jese. Langmuir 19, (2003), 7587-7591.
5. Lasing of Coumarin-153 incorporated in sol-gel nanocomposite organic/ inorganic matrices. E.Stathatos P.Lianos. S.P.I.E.-The International Society for Optical Engineering. vol.5131 (2003) p.15.
6. Development of sol-gel redox I3-/I- electrolytes and their application in hybrid electrochromic devices. B.Orel, A.Surca Vuk, R.Jese, P.Lianos, E.Stathatos P. Judeinstein, and Ph.Colomban. Solid State Ionics, Volume 165, Issues 1-4, 2003, 235-246.

 **2004**

1. Optimization of a Quasi-Solid-State Dye-Sensitized Photoelectrochemical Solar Cell Employing a Ureasil/Sulfolane Gel ElectrolyteE. Stathatos, P. Lianos, A. Surca Vuk, B. Orel Advanced Functional Materials Volume 14, Issue 1, 2004, Pages: 45-48.
2. Photodegradation of Basic Blue by highly efficient nanocrystalline titania films  Applied Catalysis B: Environmental, Panagiotis Bouras, Elias Stathatos, Panagiotis Lianos and Christos Tsakiroglou. Volume 51, Issue 4, 25 August 2004, 275-281.
3. Metachromatic Effects and Photodegradation of Basic Blue on Nanocrystalline Titania Films Stathatos, E.; Lianos, P.; Tsakiroglou, C.; Langmuir; 2004; 20(21); 9103-9107.
4. Highly efficient nanocrystalline titania films made from organic/inorganic nanocomposite gels Microporous and Mesoporous Materials, Elias Stathatos, Panagiotis Lianos and Christos Tsakiroglou Volume 75, Issue 3, 2004, 255-260.

 **2005**

1. Dye-sensitized photoelectrochemical solar cells based on nanocomposite organic–inorganic materials  Journal of Photochemistry and Photobiology A: Chemistry, Elias Stathatos, Panagiotis Lianos, Vasko Jovanovski and Boris Orel. Volume 169, Issue 1, 1 2005, 57-61.
2. Organic-Inorganic Nanocomposite Materials Prepared by the Sol-Gel Route as New Ionic Conductors in Quasi Solid State Electrolytes. Elias Stathatos Ionics 11 (1-2): 140-145 2005.
3. Enhanced photoluminescence from films made by titaniun isopropoxide, Eu3+ ions and thenoyltrifluoroacetone blends. Elias Stathatos and Panagiotis Lianos Chemical Physics Letters 417 (2005) 407-410.
4. Heterogeneous activation of Oxone using Co3O4George P. Anipsitakis,Elias Stathatos and Dionysios D. Dionysiou J. Physical Chemistry B. 109(27), 2005, 13052-13055.
5. Infrared, Raman, 29Si NMR spectroscopic and electrical studies of a sol-gel derived nanocomposite ionic liquid based on positively-charged polysilsesquioxane and iodide. Vasko Jovanovski, Boris Orel, Robi Ješe, Angela Šurca Vuk, Gregor Mali, Jože Grdadolnik, Adolf Jesih, Elias Stathatos, Panagiotis Lianos. J. Physical Chemistry B, 109, (2005), 14387-14395.
6. Sol-Gel Preparation of Mesoporous Photocatalytic TiO2 Films and TiO2/Al2O3 Composite Membranes. Hyeok Choi, Elias Stathatos, Dionysios D. DionysiouApplied Catalysis B: Environmental 63 (2005) 60-67.

 **2006**

1. Nanostructured Titania films as a host material for a highly emitted Europium complex. Elias Stathatos. International Journal of Modern Physics B.Volume 20, Issue 02, pp. 249-259 (2006).
2. Positively charged polysilsesquioxane/iodide ionic liquid as a quasi solid-state redox electrolyte for dye-sensitized photo electrochemical cells: Infrared, 29Si NMR and electrical studies. Vasko Jovanovski, Boris Orel , Robi Ješe, Gregor Mali, Elias Stathatos, Panagiotis Lianos International Journal of Photoenergy Volume 2006, Article ID 23703, Pages 1–8.
3. Electroluminescence from a volatile europium complex. Elias Stathatos, Lefkia Panayiotidou, Panagiotis Lianos and Anastasios D. Keramidas Thin Solid Films Volume 496, Issue 2, 21 February 2006, Pages 489-493.
4. Synthesis of nanocrystalline photocatalytic TiO2 particles and thin films using sol-gel methods modified with nonionic surfactants. Hyeok Choi, Elias Stathatos, Dionysios D. Dionysiou Thin Solid Films Volume 510, Issues 1-2, 3 July 2006, Pages 107-114
5. Dye-sensitized solar cells with electrolyte based on trimethoxysilane derivatized ionic liquid. Vasko Jovanovski, Elias Stathatos, Boris Orel and Panagiotis Lianos Thin Solid Films, Volumes 511-512, 26 July 2006, Pages 634-637.

 **2007**

1. Dye-Sensitized Solar Cells Based on Nanocrystalline Titania Electrodes Made at Various Sintering Temperatures Stathatos, Elias; Lianos, Panagiotis Journal of Nanoscience and Nanotechnology, Volume 7, Number 2, February 2007, 555-559.
2. A simple procedure of making room temperature high purity mesoporous titania films with high photocatalytic activity. Elias Stathatos, Hyeok Choiand Dionysios D. Dionysiou Environmental Engineering Science 24,1, 2007.
3. Photocatalytic TiO2 films and membranes for the development of efficient wastewater treatment and reuse systems.  Hyeok Choi, Elias Stathatos Dionysios D. Dionysiou Desalination, Volume 202, Issues 1-3, 5 2007, 199-206.
4. Enhanced photoluminescence from films made by titaniun isopropoxide, Eu3+ ions and thenoyltrifluoroacetone blends. Elias Stathatos and Panagiotis Lianos Applied Physics Letters 90, 061110 (2007).
5. Pure versus metal-ion-doped nanocrystalline titania for photocatalysis Panagiotis Bouras, Elias Stathatos and Panagiotis Lianos Applied Catalysis B: Environmental, Volume 73, Issues 1-2, 51, (2007).
6. Dye-Sensitized Solar Cells Made by Using a Polysilsesquioxane Polymeric Ionic Fluid as Redox Electrolyte. E. Stathatos, V. Jovanovski, B. Orel, I. Jerman, P. Lianos, *J. Phys. Chem. C.;* 2007, 111, 6528.
7. Effect of Surfactant in a Modified Sol on the Physicochemical Properties and Photocatalytic Activity of Crystalline TiO2 Nanoparticles. Hyeok Choi, Elias Stathatos and Dionysios D. Dionysiou, Topics in Catalysis, 2007, 44 (4), 513.
8. Effect of aggregation of dyes adsorbed on nanocrystalline titania films on the efficiency of photodegradation. Nikoleta Strataki, Vlasoula Bekiari, Elias Stathatos and Panagiotis Lianos Journal of Photochemistry and Photobiology A: Chemistry, 2007, 191 (1), 13.
9. Increase of the efficiency of quasi-solid state dye-sensitized solar cells by a synergy between Titania nanocrystallites of two distinct nanoparticle sizes Elias Stathatos and Panagiotis Lianos Advanced Materials 2007, 19 (20), 3338.

 **2008**

1. Microstructure characterization and photocatalytic activity of mesoporous TiO2 films with ultrafine anatase nanocrystallites Yongjun Chen, Elias Stathatos, Dionysios D. Dionysiou Surface and Coatings Technology, 2008, 202, 1944.
2. Gas-phase photocatalytic degradation of 2,4,6-trichloroanisole in the presence of a nanocrystalline Titania film. Applications to the treatment of cork stoppers. Panagiotis Vlachos, Elias Stathatos, Gerasimos Lyberatos, Panagiotis Lianos. Catalysis Communications, 2008, 9, 1987.
3. Photocatalytic degradation of a water soluble herbicide by pure and noble metal deposited TiO2 nanocrystalline films Katerina Pelentridou, Elias Stathatos, Helen Karasali, Dionysios D. Dionysiou Panagiotis Lianos International Journal of Photoenergy 2008, art. no. 978329
4. Quasi-solid-state dye-sensitized solar cells employing nanocrystalline TiO2 films made at low temperature Elias Stathatos, Yongjun Chen, Dionysios D. Dionysiou Solar Energy Materials and Solar Cells, 2008, 92, 1358.

 **2009**

1. Photodegradation of the herbicide azimsulfuron using nanocrystalline titania films as photocatalyst and low intensity Black Light radiation or simulated solar radiation as excitation source Katerina Pelentridou, Elias Stathatos, Helen Karasali, Panagiotis Lianos Journal of Hazardous Materials, 2009, 163, 756.
2. Photoluminescence and electroluminescence by gallium(III) complexes of N-salicylidene-o-aminophenol and its derivatives Adamantia Kagkelari, Vlasoula Bekiari, Elias Stathatos, Giannis S. Papaefstathiou, Catherine P. Raptopoulou, Theodoros F. Zafiropoulos, Panagiotis Lianos Journal of Luminescence, Volume 129, Issue 5, May 2009, Pages 578-583.
3. Sol–gel modified TiO2 powder films for high performance dye-sensitized solar cells Yongjun Chen, Elias Stathatos, Dionysios D. Dionysiou Journal of Photochemistry and Photobiology A: Chemistry, Volume 203, Issues 2-3, 15 April 2009, Pages 192-198.
4. Visible light-activated N-F-codoped TiO2 nanoparticles for the photocatalytic degradation of microcystin-LR in water Miguel Pelaez, Armah A. de la Cruz, Elias Stathatos, Polycarpos Falaras, Dionysios D. Dionysiou Catalysis Today, Volume 144, Issues 1-2, 15 June 2009, Pages 19-25.
5. Study of hybrid solar cells made of multilayer nanocrystalline titania and poly(3-octylthiophene) or poly–(3-(2-methylhex-2-yl)oxy-corbonyl dithiophene Maria Antoniadou, Elias Stathatos, Nikolaos Boukos, Andreas Stefopoulos, Joannis Kallitsis, Frederik C Krebs and Panagiotis Lianos Nanotechnology 20 (2009) 495201.

 **2010**

1. A new precursor for the preparation of nanocrystalline TiO2 films and their photocatalytic properties Katerina Pelentridou, Elias Stathatos, Panagiotis Lianos, Vassilios Drakopoulos Journal of Nanoscience and Nanotechnology 10 (2010) 6093.
2. High-mobility pentacene phototransistor with nanostructured SiO2 gate insulator synthesized by sol-gel method. S. Okur, F. Yakuphanoglu, E. Stathatos Microelectronic Engineering 87 (2010) 635.

 **2011**

1. A Solid-State Hybrid Solar Cell Made of nc-TiO2, CdS Quantum Dots, and P3HT with 2-Amino-1-methylbenzimidazole as an Interface Modifier Nikolaos Balis, Vassilios Dracopoulos, Elias Stathatos, Nikolaos Boukos, and Panagiotis Lianos *J. Phys. Chem. C***,** 2011, *115* (21), pp 10911–10916.
2. Enhanced photon harvesting in Silicon multicrystalline solar cells by new lanthanide complexes as light concentrators. Giannis Katsagounos, Elias Stathatos, Nikos B. Arabatzis, Anastasios D. Keramidas and Panagiotis Lianos. Journal of Luminescence, 2011, 131 (8), pp. 1776-1781.
3. Femtosecond Decay and Electron Transfer Dynamics of the Organic Sensitizer D149 and Photovoltaic Performance in Quasi-Solid-State Dye-Sensitized Solar Cells. M. Fakis, E. Stathatos, G. Tsigaridas, V. Giannetas, and P. Persephonis *J. Phys. Chem. C***,** 115 (2011) 13429.
4. White light electroluminescent devices employing an organic-inorganic heterostructure with CdSe quantum dots as red light emitters. Ilker Oner, Elias Stathatos, Canan Varlikli. Advances in Optical Technologies Volume 2011, Article ID 710628.

 **2012**

1. TiO2/palygorskite, composite nanocrystalline films prepared by surfactant templating route: Synergistic effect to the photocatalytic degradation of an azo-dye in water. Elias Stathatos, Dimitrios Papoulis, Christos A. Aggelopoulos, Dionysios Panagiotaras and Athanasia Nikolopoulou. Journal of Hazardous Materials 211–212 (2012) 68-76.
2. Thin ZnO nanocrystalline films for efficient quasi-solid state electrolyte quantum dot sensitized solar cells. Dimitrios Karageorgopoulos, Elias Stathatos and Evangelos Vitoratos Journal of Power Sources, Volume 219, 2012, pp.9-15.
3. Dye Sensitized Solar Cells: A New Prospective to the Solar to Electrical Energy Conversion. Issues to be solved for Efficient Energy Harvesting. E. Stathatos. Journal of Engineering Science and Technology Review 5 (4) (2012) pp.9 – 13.

 **2013**

1. A time resolved fluorescence and quantum chemical study of the solar cell sensitizer D149 M. Fakis, P. Hrobarik, E. Stathatos, V. Giannetas, P. Persephonis Dyes and Pigments 96, 2013, pp.304-312.
2. Electron injection dynamics and efficiency in TiO2 films and quasi-solid state solar cells sensitized with a dipolar fluorene organic dye M. Fakis,M. Dori, E. Stathatos, V. Giannetas, P. Persephonis,Hsien-Hsin Chou, Yung-Sheng Yen, Jiann T’suen Lin Journal of Photochemistry and Photobiology A: Chemistry, Volume 251, 2013, pp.18-24
3. Halloysite–TiO2 nanocomposites: Synthesis, characterization and photocatalytic activity
Dimitrios Papoulis, Sridhar Komarneni, Dionisios Panagiotaras, Elias Stathatos, Despina Toli, Konstantinos C. Christoforidis, Marcos Fernández-García, Huihui Li, Shu Yin, Tsugio Sato, Hiroaki Katsuki Applied Catalysis B: Environmental, Volumes 132–133, 2013, pp.416-422.
4. Synthesis, crystal structure and luminescence of novel Eu3+, Sm3+ and Gd3+ complexes of 1,3,5- and 1,2,4-triazines Lefkia Panayiotidou, Marios Stylianou, Nikos Arabatzis, Chryssoula Drouza, Panagiotis Lianos, Elias Stathatos, Anastasios D. Keramidas Polyhedron, 52 (2013) 856.
5. Electron injection studies on TiO2 nanocrystalline films sensitized with fluorene dyes and photovoltaic characterization. The effect of co-adsorption of a bile acid derivative. Marianna Dori; Kostas Seintis; Elias Stathatos; Giorgos Tsigaridas; T.-Y. Lin; J.T. Lin; Vassilis Giannetas; Peter Persephonis Mihalis Fakis Chemical Physics Letters 563 (2013) 63.
6. Aging and thermal stability studies on quasi-solid composite electrolytes for Gratzel-type solar cells. Part 1. Application of thermogravimetry and coupled methods of evolved gas analysis (TG/DTA–MS and TG–FTIR). J. Madarasz, V. Nagygyorgy, E. Stathatos, G. Pokol. Journal of Thermoanalytical Colorimetry 113 (2013) 1055-1062.
7. Structure, Reactivity, Luminescence and Magnetism of Novel Dinuclear Ln3+ Complexes Produced by the Ln3+-Assisted Hydrolysis of 3,6-bis(2-pyridyl)tetrazine Lefkia Panayiotidou; Chryssoula Drouza; Nikos Arabatzis; Panagiotis Lianos; Elias Stathatos; Zacharias Viskadourakis; John Giapintzakis; Anastasios Keramidas Polyhedron 64 (2013) 308-320.

 **2014**

1. Synthesis of two tri-arylamine derivatives as sensitizers in dye-sensitized solar cells: Electron injection studies and photovoltaic characterization. M. Can, M.Z. Yigit, K. Seintis, D. Karageorgopoulos, S. Demic, S. Icli, V. Giannetas, M. Fakis, E. Stathatos, Synthetic Metals 188 (2014) 77-85.
2. Cerium-modified TiO2 nanocrystalline films for visible light photocatalytic activity. A. Rapsomanikis, A. Apostolopoulou, E. Stathatos, P. Lianos. Journal of Photochemistry and Photobiology A: Chemistry 280 (2014) 46–53.
3. N-doped Titania powders prepared by different nitrogen sources and their application in quasi-solid state dye-sensitized solar cells Halide Diker, Canan Varlikli, Elias Stathatos 38 (2014) 908-917.
4. Three-phase nanocomposites of two nanoclays and TiO2: Synthesis, characterization and photacatalytic activities. D. Papoulis, S. Komarneni, D. Panagiotaras, E. Stathatos, K. C. Christoforidis, M. Fernández-García, H. Li, Y. Shu, T. Sato, H. Katsuki Applied Catalysis B: Environmental 147 (2014) 526–533.
5. Improved Performance of Quasi-solid State Dye-Sensitized Solar Cells After Photoanode Surface Treatment with Novel Materials D. Sygkridou, A. Rapsomanikis, A. Apostolopoulou, A. Ifantis and E. Stathatos. Sustainable Energy in the Built Environment - Steps Towards nZEB, Springer Proceedings in Energy (2014) 361-372.
6. Nanocrystalline TiO2 and Halloysite Clay Mineral Composite Films Prepared By Sol-Gel Method: Synergistic Effect And The Case Of Silver Modification To The Photocatalytic Degradation Of Basic Blue- 41 Azo Dye In Water. A. Rapsomanikis, D. Papoulis, D. Panagiotaras, E. Kaplani, E. Stathatos. Global NEST Journal, Vol 16, No 3, pp 485-498, 2014
7. Photocatalytic hydrogen production using TiO2–Pt aerogels. J.Puskelova, L. Baia, A.Vulpoi, M. Baia, M. Antoniadou, V. Dracopoulos, E. Stathatos, K. Gabor, Z. Pap, V. Danciu, P. Lianos. Chemical Engineering Journal 242 (2014) 96–101.
8. Excited State and Injection Dynamics of Triphenylamine Sensitizers Containing Benzothiazole Electron-Accepting Group on TiO2 and Al2O3 Thin Films. M. Fakis, P. Hrobárik, O. Yushchenko, I. Sigmundová, M. Koch, A. Rosspeintner, E.Stathatos, E.Vauthey. *Journal of Physical Chemistry C.* 118 (2014) 28509–28519
9. Template free titiania photoanodes modified with carbon black or multi-wall carbon nanotubes: Thermal treatment at low and high temperature for the fabrication of quasi-solid state dye sensitized solar cells. A. Rapsomanikis, D. Sygkridou, D. Karageorgopoulos, E. Stathatos. Materials Science in Semiconductor Processing 27 (2014) 634–642.
10. Quasi-solid state dye-sensitized solar cells with photoanodes prepared by different TiO2 precursors using sol-gel method. D. Sygkridou, A. Rapsomanikis and E. Stathatos, Journal of Surfaces and Interfaces of Materials 2 (2014) 252-260.
11. Synthesis, Characterization and Photocatalytic Activities of Fly Ash-TiO2 Nanocomposites for the Mineralization of Azo Dyes in Water. D. Papoulis, E. Kordouli, P. Lampropoulou, A. Rapsomanikis, C. Kordulis, D. Panagiotaras, K. Theophylaktou, E. Stathatos, S. Komarneni. Journal of Surfaces and Interfaces of Materials 2 (2014) 261-266.
12. Photovoltaic Performance and Stability of CH3NH3PbI3−xClx Perovskites. M. Antoniadou, E. Siranidi, N. Vaenas, A. G. Kontos, E. Stathatos, P. Falaras. Journal of Surfaces and Interfaces of Materials 2 (2014) 323-327.

 **2015**

1. Photoelectrocatalytic degradation of potential water pollutants in the presence of NaCl using nanocrystalline titania films. I.Tantis, E.Stathatos, D. Mantzavinos, Panagiotis Lianos. J. Chem. Technol. Biotechnol. 2015; 90: 1338–1344.
2. Perovskite solar cell with low cost Cu-phthalocyanine as hole transporting material. C.V. Kumar, G. Sfyri, D. Raptis, E. Stathatos, P. Lianos. RSC Advances 5, (2015) 3786-3791.
3. Comparative studies of pyridine and bipyridine ruthenium dye complexes with different side groups as sensitizers in sol-gel quasi-solid-state dye sensitized solar cells. D. Sygkridou, C. Sahin,C. Varlikli, E. Stathatos. Electrochimica Acta 160 (2015) 227-234.
4. Oxidovanadium(IV/V) Complexes as New Redox Mediators in Dye-Sensitized Solar Cells: A Combined Experimental and Theoretical Study A. Apostolopoulou, M. Vlasiou, P. A. Tziouris, C. Tsiafoulis, A.C. Tsipis, D. Rehder, T.A. Kabanos, A.D. Keramidas, E. Stathatos Inorganic Chemistry 54 (2015) 3979.
5. Thermal stability and electrical studies on hybrid and composite sol–gel quasi-solid-state electrolytes for dye-sensitized solar cells. Andigoni Apostolopoulou, Viola Nagygyörgy, János Madarász, Elias Stathatos, György Pokol Journal of Thermal Analysis and Calorimetry 121 (2015) 371-380.
6. The effect of additional electron donating group on the photophysics and photovoltaic performance of two new metal free D-π-A sensitizers. An. Margalias, K. Seintis, M.Z. Yigit, M. Can, D. Sygkridou, V. Giannetas, M. Fakis, and E. Stathatos Dyes and Pigments 121 (2015) 316-327.
7. Functional quasi-solid-state electrolytes for dye sensitized solar cells prepared by amine alkylation reactions Andigoni Apostolopoulou, Antonis Margalias and Elias Stathatos RSC Advances 5 (2015) 58307-58315.
8. Subphthalocyanine as hole transporting material for perovskite solar cells. Sfyri, Georgia and Kumar, Challuri Vijay and Sabapathi, Gokulnath and Giribabu, Lingamallu and Andrikopoulos, Konstantinos S. and Stathatos, Elias and Lianos, Panagiotis. RSC Advances 85 (2015) 69813-69818.

 **2016**

1. Photoelectrocatalytic hydrogen production by water splitting using BiVO4 photoanodes Olivier Monfort, Lucian-Cristian Pop, Stavroula Sfaelou, Tomas Plecenik, Tomas Roch, Vassilios Dracopoulos, Elias Stathatos, Gustav Plesch, Panagiotis Lianos. Chemical Engineering Journal 286 (2016) 91–97.
2. Dye-Sensitized Solar Cells with Zinc Oxide Nanostructured Films Made with Amine Oligomers as Organic Templates and Gel Electrolytes Andigoni Apostolopoulou, Dimitris Karageorgopoulos, Andreas Rapsomanikis, and Elias Stathatos Journal of Clean Energy Technologies, Vol. 4, No. 5, September 2016.
3. High performance perovskite solar cells with functional highly porous TiO2 thin films constructed in ambient air. A. Rapsomanikis, D. Karageorgopoulos, P. Lianos, E. Stathatos. Solar Energy Materials & Solar Cells 151 (2016) 36–43
4. Transparent quasi-solid state dye-sensitized solar cells sensitized with naturally derived pigment extracted from red seaweed Dimitra Sygkridou, Andreas Rapsomanikis, Evangelos Voutsinas, Elias Stathatos. Current Applied Physics 16 (2016) 651-657.
5. Solar and visible light photocatalytic enhancement of halloysite nanotubes / g-C3N4 heteroarchitectures. K. C. Christoforidis, M. Melchionna, T. Montini,D. Papoulis,E. Stathatos,S. Zafeiratos,E.Kordouliand P. Fornasiero. RSC Advances 6 (2016) 86617-86626

 **2017**

1. Functional transparent quasi-solid state dye-sensitized solar cells made with different oligomer organic/inorganic hybrid electrolytes. Dimitra Sygkridou, Andreas Rapsomanikis, Elias Stathatos. Solar Energy Materials & Solar Cells 159 (2017) 600–607.
2. Evaluation of photoconductive and photoelectrochemical properties of mesoporous nanocrystalline TiO2 powders and films prepared in acidic and alkaline media. T. Georgakopoulos, A. Apostolopoulou, N.Todorova, K. Pomoni, Ch. Trapalis, Elias Stathatos Journal of Alloys and Compounds 692 (2017) 313-321.
3. Thermoanalytical studies on ureasil-type gels filled with electrolytes containing 1-methyl-3-propylimidazolium iodide for quasi-solid-state dye-sensitized solar cells by TG and coupled methods of evolved gas analysis. V. Nagygyörgya, E. Stathatos, G. Pokol, J. Madarász. Thermochimica Acta 651 (2017) 11–21.
4. Photocatalytic H2 evolution with a Cu2WS4 catalyst on a metal free D-π-A organic dye-sensitized TiO2 Emre Aslan, Mehmet Kerem Gonce, Mesude Zeliha Yigit, Adem Sarilmaz, Elias Stathatos, Faruk Ozel, Mustafa Can, Imren Hatay Patir Applied Catalysis B: Environmental,  210  (2017)  320-327.
5. Enhanced performance of mesostructured perovskite solar cells in ambient conditions with a composite TiO2–In2O3 electron transport layer Andigoni Apostolopoulou, Dimitra Sygkridou, Andreas Rapsomanikis, Alexandros N. Kalarakis, Elias Stathatos Solar Energy Materials and Solar Cells, 166  (2017) 100-107.
6. Electrochromic properties of thin nanocrystalline TiO2 films coated electrodes with adsorbed Co(II) or Fe(II) 2,2′-bipyridine complexes Martin Rozman, Janez Cerar, Miha Lukšič, Matija Uršič, Argyroula Mourtzikou, Helena Spreizer, Irena Kozjek Škofic, Elias Stathatos Electrochimica Acta,  238  (2017)  278-287.
7. Enhancement in the efficiency of crystalline Cu2ZnSnS4 thin film solar cell by using various buffer layers. Sandip Mahajan, Dimitra Sygkridou, Elias Stathatos, Nanasaheb Huse, Alexandros Kalarakis, Ramphal Sharma, Superlattices and Microstructures 109 (2017) 240-248.

 **2018**

1. Low cost Nanostructure Kesterite CZTS Thin Films for Solar Cells Application Sandip Mahajan, Elias Stathatos, Nanasaheb Huse, Ravikiran Birajdar, Alexandros Kalarakis, Ramphal Brijiram Sharma. Materials Letters 210 (2018) 92-96.
2. Novel development of nanocrystalline kesterite Cu2ZnSnS4 thin film with high photocatatalytic activity under visible light illumination Andigoni Apostolopoulou, Sandip Mahajan, Ramphal Sharma, Elias Stathatos, Journal of Physics and Chemistry of Solids, 112 (2018) 37-42
3. Halloysite and Sepiolite –TiO2 nanocomposites: Synthesis Characterization and Photocatalytic activity in three aquatic wastes. Papoulis D., Panagiotaras D., Tsigrou P., Christoforidis K.C., Petit C., Apostolopoulou A., Stathatos E.,Komarneni S., Koukouvelas I. Materials Science in Semiconductor processing 85 (2018) 1-8.
4. Metal-free dual-phase full organic carbon nanotubes/g-C3N4 heteroarchitectures for photocatalytic hydrogen production. Konstantinos C. Christoforidis, Zois Syrgiannis, Valeria La Parola, Tiziano Montini, Camille Petit, Elias Stathatos, Robert Godin, James R. Durrant, Maurizio Prato, Paolo Fornasiero Nano Energy 50 (2018) 468-478.
5. Electrochromic cell with hydrogel-stabilized water-based electrolyte using electrodeposition as a fast color changing mechanism. Martin Rozman, Urban Bren, Miha Luksic, Regina Fuchs Godec, Georgios Bokias, Alexandros N. Kalarakis, Elias Stathatos Electrochimica Acta 283 (2018) 1105-1114.
6. New Metal\_Free Porphyrins as Hole\_Transporting Materials in Mesoporous Perovskite Solar Cells. D. Sygkridou, A. Apostolopoulou, A. Charisiadis, V. Nikolaou, G. Charalambidis, A.G. Coutsolelos, E. Stathatos. ChemistrySelect 3 (2018) 2536 – 2541.
7. Solvent-Acidity-Driven Change in Photophysics and Signiﬁcant Eﬃciency Improvement in Dye-Sensitized Solar Cells of a Benzothiazole-Derived Organic Sensitizer. Kostas Seintis, Çiǧdem Şahin, Ivica Sigmundová, Elias Stathatos, Peter Hrobárik,, Mihalis Fakis. J. Phys. Chem. C, 122 (2018) 20122−20134.
8. New bipyridine ruthenium dye complexes with amide based ancillary ligands as sensitizers in semitransparent quasi-solid-state dye sensitized solar cells. Ç. Sahin, A. Apostolopoulou, E. Stathatos. Inorganica Chimica Acta 478 (2018) 130–138.
9. Use of halloysite–TiO2 nanocomposites for the decomposition of tebuconazole fungicide in water. D. Panagiotarasa, V. Bekiari, E. Stathatos, D. Papoulis, G. Panagopoulos, A.N. Kalarakis, I. Iliopoulos, E. Kourkouta, P. Mavrokota. Desalination and Water Treatment 127 (2018) 132-139.
10. In situ Evolved Gas Analysis of TMOS-based Gel Electrolytes Containing Guanidinium Thiocyanate for Quasi-solid-state Dye-sensitized Solar Cells by TG-FTIR and TG-MS. V. Nagygyörgya, E. Stathatos, G. Pokol, J. Madarász Periodica Polytechnica Chemical Engineering 62 (4), 2018 533–545.

 **2019**

1. Amphiphilic POSS-based ionic liquid electrolyte additives as a boost for dye sensitized solar cell performance. Marija Čolović, Janez Volavšek, Elias Stathatos, Nataša Čelan Korošin, Matic Šobak, Ivan Jerman. Solar Energy 183 (2019) 619–631.
2. One step synthesis of vertically grown Mn‑doped ZnO nanorods for photocatalytic application. Nita D. Raskar, Dnyaneshwar V. Dake, Vijay A. Mane, Elias Stathatos, Uday Deshpande, Babasaheb Dole. Journal of Materials Science: Materials in Electronics 30(11), 2019, 10886-10899.
3. Sepiolite/TiO2 and metal ion modified sepiolite/TiO2 nanocomposites: synthesis, characterization and photocatalytic activity in abatement of NOx gases. Papoulis D. Somalakidi K. Todorova N. Trapalis C. Panagiotaras D. Sygkridou D. Stathatos E. Gianni E. Mavrikos A. Komarneni S. Applied Clay Science 179 (2019) 105156.
4. Novel geometric approach for photosensor construction based on dye-sensitization of TiO2 nanoparticles on stainless steel. Martin Rozman, Dimitra Sygkridou, Regina Fuchs Godec, Elias Stathatos, Urban Bren. Sensors and Actuators A 295 (2019) 51–58.
5. A first-principles computational and experimental investigation on schiff base cobalt complex towards designing solar cells Rihab Chouk Chadlia Aguir Djedjiga Haouanoh Manel Bergaoui Razika Tala-Ighil Elias Stathatos Mohamed Khalfaoui. Journal of Molecular Structure 1196 (2019) 676-684

 **recent 2020 the rest list**

1. Flexible electrochromic tape using steel foil with WO3 thin film Martin Rozman,Boštjan Žener,Lev Matoh,Regina Fuchs Godec,Argyroula Mourtzikou, Elias Stathatos, Urban Bren, Miha Lukšič. Electrochimica Acta 330 (2020) 135329.
2. Enhancing the efficiency of mixed halide mesoporous perovskite solar cells by introducing amine modified graphene oxide buffer layer. Çiğdem Şahin,Halide Diker,Dimitra Sygkridou,Canan Varlikli,Elias Stathatos. Renewable Energy 146 (2020) 1659-1666.
3. Exploring the role of defects on diverse properties of Cr-substituted ZnS nanostructures for photocatalytic applications DV Dake, ND Raskar, VA Mane, RB Sonpir, E Stathatos, K Asokan, Applied Physics A 126 (8), (2020) 1-15.
4. Ambient air-processed mesoscopic solar cells based on methylammonium and phenethylammonium quasi-2D/3D perovskites D Papadatos, D Sygkridou, E Stathatos Applied Nanoscience 10 (7), (2020) 2165-2175.
5. Improved performance and stability of hole-conductor-free mesoporous perovskite solar cell with new amino-acid iodide cations A Karavioti, E Vitoratos, E Stathatos Journal of Materials Science: Materials in Electronics 31 (8), (2020) 6109-6117.
6. Semi-Transparent Dye-Sensitized Solar Panels for Energy Autonomous Greenhouses. A Mourtzikou, D Sygkridou, T Georgakopoulos, G Katsagounos, Int. J. Struct. Constr. Eng 14, (2020) 90-95.
7. Flexible electrochromic tape using steel foil with WO3 thin film M Rozman, B Žener, L Matoh, RF Godec, A Mourtzikou, E Stathatos, Electrochimica Acta 330, (2020) 135329.
8. Carbon-based, novel triple cation mesoscopic perovskite solar cell fabricated entirely under ambient air conditions, D. Papadatos, D. Sygkridou, E. Stathatos, Materials Letters 268 (2020)127621.
9. Quasi-Solid-State Electrochromic Cells with Energy Storage Properties Made with Inkjet Printing, K Theodosiou, P Giannopoulos, T Georgakopoulos, E Stathatos, Materials 13 (14), (2020) 3241.

 **2021**

1. D-A-π-A organic dyes with tailored green light absorption for potential application in greenhouse-integrated dye-sensitized solar cells, A. Dessì, D.A. Chalkias, S. Bilancia, A. Sinicropi, M. Calamante, A. Mordini, A. Karavioti, E. Stathatos, L. Zani, G. Reginato, Sustainable Energy and Fuels 5 (4), (2021) 1171-1183.
2. A Di-Carbazole-Based Dye as a Potential Sensitizer for Greenhouse-Integrated Dye-Sensitized Solar Cells, D.A. Chalkias, C. Charalampopoulos, S. Aivali, A.K. Andreopoulou, A. Karavioti, E. Stathatos, Energies 14 (4), (2021) 1159.
3. A facile route toward carbon paste modification, for high-performing bi-functional hole extracting counter electrodes in C-based PSCs, M. Bidikoudi, E. Stathatos, Applied Physics Letters 118 (14), (2021) 143904.
4. A facile, low-cost and industrially feasible method to implement complex structured perovskites, in stable, C-based perovskite solar cells, M. Bidikoudi, A.N. Kalarakis, E. Stathatos, Solar Energy 220, (2021) 660-670.
5. Spectral engineering of semi-transparent dye-sensitized solar cells using new triphenylamine-based dyes and an iodine-free electrolyte for greenhouse-oriented applications, D.A. Chalkias, C. Charalampopoulos, A.K. Andreopoulou, A. Karavioti, E. Stathatos, Journal of Power Sources 496, (2021) 229842.
6. Low-Toxicity Perovskite Applications in Carbon Electrode Perovskite Solar Cells—A Review, M. Bidikoudi, C. Simal, E. Stathatos, Electronics 10 (10), (2021) 1145.
7. Unveiling the importance of dripping temperature control of hybrid organic-inorganic perovskite precursor solution for the fabrication of fully ambient air-processed perovskite solar cells D.A. Chalkias, A. Karavioti, A.N. Kalarakis, E. Stathatos. Solar Energy 224, (2021) 1017-1027.
8. Exploring the Effect of Ammonium Iodide Salts Employed in Multication Perovskite Solar Cells with a Carbon Electrode M Bidikoudi, C Simal, V. Dracopoulos, E Stathatos. Molecules (2021), 26, 5737.
9. Exploring the Effect of Lewis-Base Additives on the Performance and Stability of Mesoscopic Carbon-Electrode Perovskite Solar Cells, M Bidikoudi, C Simal, E Stathatos - ACS Applied Energy Materials, 4 (9), (2021) 8810-8823

**2022**

1. Low-temperature annealed methylammonium-free perovskites prepared under ambient conditions in C electrode-based perovskite solar cells M Bidikoudi, V. Dracopoulos, E Stathatos Energy Adv., (2022), 1, 76–86
2. Non‐Traditional Positively‐Biased Narrow‐Band Perovskite Single‐Crystal Photodetectors Enabled by Interfacial Engineering. Junchi Li, Yifu Chen, Bin Zhang, Jia Li, Zaheen Uddin, Xinan Jiang, Xueyun Wang, Jiawang Hong, Yongbo Yuan, Elias Stathatos, Hanning Xiao, Anlian Pan, Yi Liu, Bin Yang. Adv.Optical Mater. (2022), 10, 2102225
3. Synthesis of Zn/Cu metal ion modified natural palygorskite clay – TiO2 nanocomposites for the photocatalytic outdoor and indoor air purification. A Mavrikos, D Papoulis, N Todorova, I Papailias, C Trapalis, D Panagiotaras, DA Chalkias, E Stathatos, E Gianni, K Somalakidi, D Sygkridou, S Komarneni. Journal of Photochemistry and Photobiology A: Chemistry 423 (2022) 113568.
4. Photocatalytic performance of graphene-based Cr-substituted β ZnS nanocomposites DV Dake, ND Raskar, VA Mane, RB Sonpir, HA Khawal, U Deshpande, E Stathatos, BN Dole *Appl. Phys. A* 128, 276 (2022).
5. Suppression of Coffee-ring Effect in Air-processed Inkjet-printed Perovskite Layer Towards the Fabrication of Efficient Large-sized All-printed Photovoltaics: A Perovskite Precursor Ink Concentration Regulation Strategy, D.A. Chalkias, A. Mourtzikou, G. Katsagounos, A. Karavioti, A.N. Kalarakis, E. Stathatos, Solar RRL (2022). 2200196.
6. Stability assessment of carbon-based hole-transport-layer-free perovskite solar cells under accelerated ageing: A combined experimental and predictive modelling analysis, D.A. Chalkias, A. Karavioti, G.C. Papanicolaou, E. Stathatos, Electrochimica Acta 427, (2022) 140905