

Trabalhos publicados

Publicou cerca de 90 artigos em revistas científicas com referee, um livro de texto, e quatro capítulos de livros. Os seus trabalhos científicos foram citados mais de 1200 vezes.

Lista dos artigos científicos dos últimos dez anos (desde 1999):

1. Charas, A.; Ferreira, Q. Ferreira; Farinhas, J.; Matos, M.; Alcácer, L.A.; Morgado, J.; "Insoluble Patterns of Cross-Linkable Conjugated Polymers from Blend Demixing in Spin Cast Films", *Macromolecules*, Vol. 42, No. 20, pp. 7903 - 7912, October, 2009.
2. L. Morgado; Alcácer, L.A.; Morgado, J.; "Polymer light-emitting diodes efficiency dependence on bipolar charge traps concentration", *Research Letters in Materials Science*, Vol. 2009, No. 503042, pp. 1 - 4, July, 2009.
3. Charas; H. Alves; L. Alcácer; J. Morgado; " Use of cross-linkable polyfluorene in the fabrication of multilayer polyfluorene-based light-emitting diodes with improved efficiency ", *Appl. Phys. Letters* , Vol. 89 , No. 14 , pp. 143519 - 143521 , October , 2006
4. J. Morgado, A. Charas, J.A. Fernandes, I.S. Gonçalves, L.D. Carlos, L. Alcácer, "Luminescence properties of composites made of a europium(III) complex and electroluminescent polymers with different energy gaps", *J. Phys. D: Appl. Phys.* 39 , 3582-3587 (2006)
5. S. M. Fonseca, J. Pina, L.G. Arnault, J. Seixas de Melo, H.D. Burrows, N. Chattopadhyay, L. Alcácer, A. Charas, J. Morgado, A.P. Monkman, U. Asawapirom, U. Scherf, R. Edge, S. Navaratnam, "Triplet state and singlet oxygen formation in fluorene-based alternating copolymers", *J. Phys. Chem. B*, 110, 8278 (2006).
6. H.D. Burrows, L.G. Arnault, J. Pina, J. Seixas de Melo, N. Chattopadhyay, L. Alcácer, A. Charas, J. Morgado, "Characterisation of the triplet state of a fluorene-terthiophene alternating copolymer", *Chem. Phys. Lett.*, 402, 197-201 (2005).
7. J. Morgado, A. Charas, J.M.G. Martinho, L. Alcácer, "Photophysical study of two alternating polyfluorene copolymers exhibiting dual fluorescence", *Synthetic Metals* 154, 81 (2005).
8. J. Morgado, N. Barbagallo, V. Bodrozic, A. Teixeira, A.C. Fernandes, R. Güntner, U. Scherf, F. Cacialli, L. Alcácer, "Indium-tin oxide anodes modified by self-assembly for light-emitting diodes based on blue-emitting polyfluorenes", *Synthetic Metals*, 154(1-3), 153-156, SP. Iss. (2005)
9. Morgado, J.; N. Barbagallo; A. Charas; L. Alcácer; "Effect of a dipolar self-assembly monolayer formation on indium-tin oxide on the performance of single-layer polymer-based light-emitting diodes", *Macromolecular Symposia*, Vol. 212, pp. 381 - 386, April, 2004.
10. Charas, A., J. Morgado; L. Alcácer; P. Brogueira; F. Cacialli; "Synthesis and luminescence properties of a new polyfluorene copolymer with regulated solubility", *Synthetic Metals* , Vol. 147 , No. 1-3 , pp. 275 - 279 , December , 2004.
11. Morgado, J; Barbagallo, N; Charas, A; Alcacer, L; "Self-assembled ionic multilayers on the surface of a nonionic, soluble, poly (p-phenylene vinylene) and its influence on the performance of light-emitting diodes"; *SYNTHETIC METALS*, 141 (3): 219-223 MAR 25 2004
12. Charas, A; Morgado, J; Alcacer, L; Martinho, JMG; Cacialli, F; "Steady state and time-resolved photoluminescence properties of alternating polyfluorene copolymers"; *SYNTHETIC METALS*, 135 (1-3): 387-388 Part 1 Sp. Iss. SI APR 4 2003
13. Charas, A; Morgado, J; Alcacer, L; Martinho, JMG; Cacialli, F; "Luminescence properties of polyfluorenes blends"; *SYNTHETIC METALS*, 137 (1-3): 1039-1040 Part 2 Sp. Iss. SI APR 4 2003
14. Morgado, J; Barbagallo, N; Charas, A; Matos, M; Alcacer, L; Cacialli, F; "Self-assembly

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- surface modified indium-tin oxide anodes for single-layer light-emitting diodes"; JOURNAL OF PHYSICS D-APPLIED PHYSICS, 36 (5): 434-438 MAR 7 2003
15. Charas, A; Morgado, J; Martinho, JMG; Alcacer, L; Lim, SF; Friend, RH; Cacialli, F; "Synthesis and luminescence properties of three novel polyfluorene copolymers"; POLYMER, 44 (6): 1843 MAR 2003
 16. Charas, A; Morgado, J; Martinho, JMG; Fedorov, A; Alcacer, L; Cacialli, F; Excitation energy transfer and spatial exciton confinement in polyfluorene blends for application in light-emitting diodes: JOURNAL OF MATERIALS CHEMISTRY, 12 (12): 3523-3527 2002
 17. Charas, A; Morgado, J; Martinho, JMG; Alcacer, L; Cacialli, F; Tuning the optoelectronic properties of polyfluorenes by copolymerisation with thiophene moieties; SYNTHETIC METALS, 127 (1-3): 251-254 Sp. Iss. SI MAR 26 2002
 18. Morgado, J; Santos, IC; Veiros, LF; Rodrigues, U; Henriques, RT; Duarte, MT; Alcacer, L; Almeida, M; Preparation, structural, electrical and magnetic properties of tetrathiafulvalene-Au(pdS)(2) salts (pds=pyrazine-2,3-diselenolate); JOURNAL OF MATERIALS CHEMISTRY, 11 (9): 2108-2117 2001
 19. Qiu, YY; Azeredo-Leme, C; Alcacer, LR; Franca, JE; A CMOS humidity sensor with on-chip calibration; SENSORS AND ACTUATORS A-PHYSICAL, 92 (1-3): 80-87 AUG 1 2001
 20. Charas, A; Morgado, J; Martinho, JMG; Alcacer, L; Cacialli, F; Electrochemical and luminescent properties of poly(fluorene) derivatives for optoelectronic applications; CHEMICAL COMMUNICATIONS, (13): 1216-1217 2001
 21. Stallinga, P; Gomes, HL; Charas, A; Morgado, J; Alcacer, L; Electrical characterization of pn-junctions of PPV and silicon; SYNTHETIC METALS, 121 (1-3): 1535-1536 Sp. Iss. SI MAR 15 2001
 22. Charas, A; Barbagallo, N; Morgado, J; Alcacer, L; "Synthesis and optical properties of poly(fluorene)-based alternating copolymers"; SYNTHETIC METALS, 122 (1): 23-25 Sp. Iss. SI MAY 1 2001
 23. Bermudez, VD; Carlos, LD; Alcacer, L; Sol-gel derived urea cross-linked organically modified silicates. 1. Room temperature mid-infrared spectra; CHEMISTRY OF MATERIALS, 11 (3): 569-580 MAR 1999
 24. Bermudez, VD; Alcacer, L; Acosta, JL; Morales, E; Synthesis and characterization of novel urethane cross-linked ormolytes for solid-state lithium batteries; SOLID STATE IONICS, 116 (3-4): 197-209 JAN 1999