

2013

Publications in International journals (Includes Proceedings, Books and Book chapters)	117
Publications in International journals	101
Publications in National journals	2
Books and book chapters	6
Proceedings	10
Patents	3
Ph.D. theses	12
Master theses	22

Publications in International Journals

1. Phosphotungstates as Catalysts for Monoterpenes Oxidation: Homo- and Heterogeneous Performance
S.S. Balula, I. C.M.S. Santos, L. Cunha-Silva, A. P. Carvalho, J. Pires, C. Freire, J. A.S. Cavaleiro, B. Castro, A. M.V. Cavaleiro
Catalysis Today **2013**, 203, 95-102
<http://dx.doi.org/10.1016/j.cattod.2012.02.020>
2. Alkene Epoxidation by Manganese(III) Complexes Immobilized onto Nanostructured Carbon CMK-3
H. Gaspar, M. Andrade, C. Pereira, A. M. Pereira, S. L. H. Rebelo, J. P. Araújo, J. Pires, A. P. Carvalho, C. Freire
Catalysis Today **2013**, 203, 103-110
<http://dx.doi.org/10.1016/j.cattod.2012.04.018>
3. The Role of the Support Properties in the Catalytic Performance of an Anchored Copper(II) Aza-bis(oxazoline) in Mesoporous Silicas and their Carbon Replicas,
A.R. Silva, V. Guimarães, A. P. Carvalho, J. Pires
Catalysis Science & Technology **2013**, 3, 659-672
<http://dx.doi.org/10.1039/c2cy20638b>
4. Studies of Portuguese Ceramic tiles due to Gabriel del Barco
R. S. Carvalho, A. P. Carvalho, M. F. Vaz
Archaeometry **2013**, 55, 54-67
<http://dx.doi.org/10.1111/j.1475-4754.2012.00661.x>
5. Efficient Cyclohexane Oxidation with Hydrogen Peroxide Catalysed by a c-Scorpionate Iron(II) Complex Immobilized on Desilicated MOR Zeolite
L.M.D.R.S. Martins, A. Martins, E.C.B.A. Alegria, A.P. Carvalho, M. Andrade, A.J.L. Pombeiro
Applied Catalysis A: General **2013**, 464–465, 43-50
<http://dx.doi.org/10.1016/j.apcata.2013.05.022>
6. Copper(II) Aza-bis(oxazoline) Complex Immobilized onto ITQ-2 and MCM-22 based Materials as Heterogeneous Catalysts for the Cyclopropanation of Styrene
A.R. Silva, V. Guimarães, L. Carneiro, N. Nunes, S. Borges, J. Pires, A. Martins, A. P. Carvalho
Microporous and Mesoporous Materials **2013**, 179, 231–241
<http://dx.doi.org/10.1016/j.micromeso.2013.05.029>

7. Asymmetric Benzoylation of Hydrobenzoin by Copper(II) bis(oxazoline) Anchored onto Ordered Mesoporous Silicas and their Carbon Replicas
A.R. Silva, L. Carneiro, A. P. Carvalho, J. Pires
Catalysis Science & Technology **2013**, 3, 2415-2424
<http://dx.doi.org/10.1039/c3cy00232b>
8. Novel Composite Material Polyoxovanadate@MIL-101(Cr): a Highly Efficient Electrocatalyst for Ascorbic Acid Oxidation
D. Fernandes, A. Barbosa, J. Pires, S. Balula, L. Cunha-Silva, C. Freire
ACS Applied Materials and Interfaces **2013**, 5, 13382-13390.
<http://dx.doi.org/10.1021/am4042564>
9. Sepiolite Based Materials for Storage and Slow Release of Nitric Oxide
A.Fernandes, F. Antunes, J. Pires
New Journal of Chemistry **2013**, 37 (12),4052 - 4060.
<http://dx.doi.org/10.1039/c3nj00452j>
10. Clay Based Materials for Storage and Therapeutic Release of Nitric Oxide
A.Fernandes, M. Pinto, F. Antunes, J. Pires
Journal of Materials Chemistry B - Materials for Biology and Medicine **2013**, 1.3287-3294
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11. Novel Heterogeneous Catalysts Based on Lanthanopolyoxometalates Supported on MIL-101(Cr)
C. Granadeiro, P. Silva, V. Saini, F. Paz, J. Pires, L.Cunha-Silva, S. Balula
Catalysis Today **2013**, 218– 219, 35– 42
<http://dx.doi.org/10.1016/j.cattod.2013.03.042>
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S. Balula, L- Cunha-Silva, I. Santos, A. Estrada, A. Fernandes, J. Cavaleiro, J. Pires, C. Freire, A. Cavaleiro
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<http://dx.doi.org/10.1039/c3nj00243h>
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M. Pinto, S. Dias, J. Pires
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14. Synthesis and Adsorption Properties of Micro/Mesoporous Carbon-Foams Prepared from Foam Shaped Sacrificial Templates
V. Saini, M. Pinto, J. Pires
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15. Monovacant Polyoxometalates Incorporated into MIL-101(Cr): Novel Heterogeneous Catalysts for Liquid Phase Oxidation
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C. Airoidi, E. Sironi, C. Dias, F. Marcelo, A. Martins, A. P. Rauter, F. Nicotra, J. Jimenez-Barbero
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L. B. Roseiro, C. S. Tavares, J. C. Roseiro, A. P. Rauter.
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L. B. Roseiro, L. C. Duarte, D. L. Oliveira, R. Roque, M. G. Bernardo-Gil, A. I. Martins, C. Sepúlveda, J. Almeida, M. Meireles, F. M. Gírio, A. P. Rauter
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F. Marcelo, C. Dias, A. Martins, P. J. Madeira, J. Jorge, M. H. Florêncio, F. J. Cañada, Eurico J. Cabrita, J. Jiménez-Barbero, A. P. Rauter
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C. Barata, J. Carballo, A. J. Cruz, J. Coroado, M. E. Araújo, M. H. Mendonça
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L. Falcão, M. E. M. Araújo.
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28. Antioxidant and anti-acetylcholinesterase activity of commercially available medicinal infusions after in vitro gastrointestinal digestion
P.L. Falé, C. Ferreira, A.M. Rodrigues, P. Cleto, P.J.A. Madeira, M.H. Florêncio, F.N. Frazão, M.L.M. Serralheiro
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31. Engineering highly efficient Eu(III)-based tri-ureasil hybrids toward luminescent solar concentrators
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