

2008 Publications

1. DK. Modibane and T. Nyokong
Synthesis and photophysical properties of lead phthalocyanines.
Polyhedron, 27 (2008) 1102-1110
2. M. Idowu, J-Y. Chen and T. Nyokong
Photoinduced Energy Transfer between Water soluble CdTe Quantum Dots and Aluminium tetrasulfonated phthalocyanine.
New J Chem. 32 (2008) 290-296. HOT PAPER Status
3. N. Nombona, P. Tau, N. Sehlotho, T. Nyokong,
Electrochemical and electrocatalytic properties of β -substituted manganese and titanium phthalocyanines.
Electrochim. Acta 53 (2008) 3139-3148
4. E. Marais and T. Nyokong
Adsorption of 4-nitrophenol onto Amberlite® IRA-900 modified with metallophthalocyanines.
J. Haz. Mat, 152 (1) (2008) 293-301
5. J. A. Claußen, G. Ochoa, M. Páez, J. Costamagna, T. Nyokong, F. Bedioui and J.H. Zagal
Volcano correlations for the reactivity of surface confined cobalt-N-4 macrocyclics for the electrocatalytic oxidation of mercaptoacetic acid.
J. Solid State Electrochem 12(5) (2008) 473-481
6. W. Chidawanyika, E. Antunes and T. Nyokong
Synthesis and solvent effects on the photophysicochemical properties of novel cadmium phenoxy Phthalocyanines.
J. Photochem. Photobiol. A: Chem, 195 (2008) 183-190
7. M. Durmu? and T. Nyokong
Photophysicochemical and Fluorescence Quenching Studies of Benzyloxyphenoxy Substituted Zinc Phthalocyanines.
Spectrochim. Acta 69 (2008) 1170-1177
8. E. Villagra, F. Bedioui, T. Nyokong, J. Carlos Canales, M. Sancy, M.A. Páez, J. Costamagna and J.H. Zagal
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9. J. Ma, J-Y Chen, M. Idowu, T. Nyokong
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10. N. Sehlotho, M. Durmu?, V. Ahsen and T. Nyokong
The synthesis and electrochemical behaviour of water soluble manganese phthalocyanines: anion radical

versus Mn(I) species, *Inorg. Chem. Comm.* 11 (2008) 479-483.

11. N. Sehlotho, S. Griveau, N. Ruillé, M. Boutjita, T. Nyokong and F. Bedioui
Electro-catalyzed oxidation of reduced glutathione and 2-mercaptoethanol by cobalt phthalocyanine-containing screen printed graphite electrodes.
Mater Sci Eng. C, 28 (2008) 606-612.

12. M. Durmus, J.Y. Chen, Z.X. Zhao, T. Nyokong
Energy transfer in zinc porphyrin-phthalocyanine heterotrimer and heterononamer studied by fluorescence resonance energy transfer (FRET).
Spectrochim. Acta, A 70 (2008) 42-49

13. M. Idowu, E. Lamprecht, T. Nyokong
Interaction of water soluble thiol capped CdTe quantum dots and bovine serum albumin (BSA).
J. Photochem. Photobiol. A: Chem 198 (2008) 7-12.

14. M. Idowu and T. Nyokong
Photophysical and photochemical properties of tetrasulfonated silicon and germanium phthalocyanine in aqueous and non-aqueous media.
J. Photochem. Photobiol. A: Chem. 197 (2008) 273-280.

15. S. Moeno and T. Nyokong
The Interaction of CdTe Quantum Dots with Negatively Charged Zinc Phthalocyanines.
Polyhedron 27 (2008) 1953-1958

16. V. Chauke and T. Nyokong*
Photocatalytic oxidation of 1-hexene using GaPc and InPc octasubstituted derivatives.
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17. E. M. Antunes and T. Nyokong
Synthesis and photophysical properties of tetra- and octa-substituted phosphorous triazatetrabenzcorrole photosensitizers.
Metal Based Drugs, (2008) Article ID 498916, 9 pages (published)
doi:10.1155/2008/498916

18. S Moeno, M. Idowu and T. Nyokong
Spontaneous charge transfer between zinc tetramethyl-tetra-2,3-pyridinoporphyrazine and CdTe and ZnS quantum dots".
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19. G. Mbambisa and T. Nyokong
Synthesis and Electrochemical characterization of a near infrared absorbing oxo vanadium(IV) octapentylthio-phthalocyanine.
Polyhedron 27 (2008) 2799-2804.

20. D. A. Geraldo, C. A. Togo, J. Limson and T. Nyokong
Electrooxidation of hydrazine catalyzed by noncovalently functionalized single-walled carbon nanotubes with CoPc.
Electrochim Acta, 53 (2008) 8051-8057

21. M. Idowu and T. Nyokong

Synthesis, photophysics and photochemistry of tin (IV) phthalocyanine derivatives.
J. Photochem. Photobiol. A: Chem. 199 (2008) 282-290.

22. F. Matemadombo, S. Griveau, F. Bedioui and T. Nyokong
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23. M. Siswana, K.I. Ozoemena and T. Nyokong
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Synthesis, Electrochemical characterization of tetra- and octa-substituted dodecyl-mercapto tin phthalocyanines in solution and as self assembled monolayers.
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25. E. Marais , E. Antunes and T. Nyokong
Photocatalytic transformation of 4-nitrophenol in aqueous media using suspended water insoluble metallophthalocyanine complexes.
J. Coord. Chem 61 (23) (2008) 3727-3739

26. M. Idowu and T. Nyokong
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J Photochem. PhotoBiol. A: 200 (2008) 396-401

27. T. Nyokong
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28. A. Ogunsipe, M. Durmu?, D. Atilla, A.G. Gürek, V. Ahsen and T. Nyokong
Synthesis, Photophysical and Photochemical Studies on Long Chain Zinc Phthalocyanine Derivatives.
Synthetic metals 158 (2008) 839-847.