

2015 Publications

1. Fashina, Adedayo; Amuhaya, Edith; Nyokong, Tebello
A comparative photophysicochemical study of phthalocyanines encapsulated in core-shell silica nanoparticles
Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy (2015), 137, 294-299.
DOI:10.1016/j.saa.2014.08.062
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2. Chen, Wei; Zhang, Jianfeng; Mack, John; Kubheka, Gugu; Nyokong, Tebello; Shen, Zhen
Corrole-BODIPY Conjugates: Enhancing the Fluorescence and Phosphorescence Intensity of Corrole Complex via Efficient Through Bond Energy Transfer
RSC Advances, (2015), 5, 50962-50967
DOI:10.1039/C5RA07250
<http://xlink.rsc.org/?DOI=C5RA07250F>
3. D'Souza, Sarah; Moeno, Sharon; Nyokong, Tebello
Effects of ZnO nanohexagons and nanorods on the fluorescence behavior of metallophthalocyanines
Polyhedron (2015), 85, 476-481
DOI:10.1016/j.poly.2014.09.012
<http://linkinghub.elsevier.com/retrieve/pii/S0277538714006172>
4. Maringa, Audacity; Mashazi, Philani; Nyokong, Tebello
Electrocatalytic activity of bimetallic Au-Pd nanoparticles in the presence of cobalt tetraaminophthalocyanine
Journal of Colloid and Interface Science (2015), 440, 151-161
DOI:10.1016/j.jcis.2014.10.056
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5. Sanusi, Kayode; Nyokong, Tebello
Enhanced optical limiting behaviour of indium phthalocyanine derivatives when in solution or embedded in poly(acrylic acid) or poly(methyl methacrylate) polymers
Journal of Photochemistry and Photobiology, A: Chemistry (2015), 303-304, 44-52
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6. Ogbodu, Racheal O.; Nyokong, Tebello
Enhanced triplet state parameters for zinc carboxy phenoxy phthalocyanine following conjugation to ascorbic acid: Effects of adsorption on single walled carbon nanotubes
Polyhedron (2015), 90, 175-182
DOI:10.1016/j.poly.2015.01.032
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7. Obuah, Collins; Lochee, Yemanlall; Jordaan, Johan H. L.; Otto, Daniel P.; Nyokong, Tebello; Darkwa, James
(Ferrocenylpyrazolyl)zinc(II) benzoates as catalysts for the ring opening polymerization of ϵ -caprolactone
Polyhedron (2015), 90, 154-164
DOI:10.1016/j.poly.2015.02.007
<http://linkinghub.elsevier.com/retrieve/pii/S0277538715000868>
8. Mthethwa, Thandekile; Nyokong, Tebello

Fluorescence behavior and singlet oxygen generating abilities of aluminum phthalocyanine in the presence of isotropic gold nanoparticles
Journal of Luminescence (2015), 157, 207-214
DOI:10.1016/j.jlumin.2014.09.005
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9. Taylor, Jessica; Litwinski, Christian; Nyokong, Tebello; Antunes, Edith
Fluorescence Behaviour of an Aluminium Octacarboxy Phthalocyanine - NaYGdF4:Yb/Er Nanoparticle Conjugate
Journal of Fluorescence (2015), 25(3), 489-501
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10. Tshangana, Charmaine; Nyokong, Tebello
Improved triplet state parameters for indium octacarboxy phthalocyanines when conjugated to quantum dots and magnetite nanoparticles
Journal of Molecular Structure (2015), 1089, 161-169
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11. Nyoni, Stephen; Mashazi, Philani; Nyokong, Tebello
Iodine-Doped Cobalt Phthalocyanine Supported on Multiwalled Carbon Nanotubes for Electrocatalysis of Oxygen Reduction Reaction
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Nanosecond nonlinear optical limiting properties of new trinuclear lanthanide phthalocyanines in solution and as thin films
Polyhedron (2015), 85, 347-354
DOI:10.1016/j.poly.2014.08.047
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Journal of Porphyrins and Phthalocyanines (2015), 19(1/3), 192-204
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16. Adegoke, Oluwasesan; Nyokong, Tebello; Forbes, Patricia B. C.

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17. Gai, Lizhi; Mack, John; Lu, Hua; Nyokong, Tebello; Li, Zhifang; Kobayashi, Nagao; Shen, Zhen

Organosilicon compounds as fluorescent chemosensors for fluoride anion recognition

Coordination Chemistry Reviews (2015), 285, 24-51

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18. Khoza, Phindile; Nyokong, Tebello

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19. Ogbodu, Racheal O.; Ndhundhuma, Ivy; Karsten, Aletta; Nyokong, Tebello

Photodynamic therapy effect of zinc monoamino phthalocyanine-folic acid conjugate adsorbed on single walled carbon nanotubes on melanoma cells

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Photophysical and non-linear optical behavior of novel tetra alkynyl terminated indium phthalocyanines: Effects of the carbon chain length

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Synthetic Metals (2015), 204, 122-132 DOI:10.1016/j.synthmet.2015.03.011

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23. Ogbodu, Racheal O.; Amuhaya, Edith K.; Mashazi, Philani; Nyokong, Tebello

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Physicochemical and photodynamic antimicrobial chemotherapy studies of mono- and tetra-pyridyloxy substituted indium(III) phthalocyanines
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27. Oluwole, David O.; Nyokong, Tebello
Physicochemical behavior of nanohybrids of mono and tetra substituted carboxyphenoxy phthalocyanine covalently linked to GSH-CdTe/CdS/ZnS quantum dots
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Surface modification of silica-coated gadolinium oxide nanoparticles with zinc tetracarboxyphenoxy phthalocyanine for the photodegradation of Orange G
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31. Oluwole, David O.; Britton, Jonathan; Mashazi, Philani; Nyokong, Tebello
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Synthetic Metals (2015), 205, 212-221 DOI:10.1016/j.synthmet.2015.04.015
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Visible light transformation of Rhodamine 6G using tetracarbazole zinc phthalocyanine when embedded in electrospun fibers and in the presence of ZnO and Ag particles
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Photoinactivation of *Candida albicans* and *Escherichia coli* using aluminium phthalocyanine on gold nanoparticles
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38. Ogbodu Racheal O; Nyokong Tebello
The effect of ascorbic acid on the photophysical properties and photodynamic therapy activities of zinc phthalocyanine-single walled carbon nanotube conjugate on MCF-7 cancer cells
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