

Njemuwa Nwaji Njoku

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

556
citations

566801

15
h-index

713013

21
g-index

33
all docs

33
docs citations

33
times ranked

523
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Improved nonlinear optical behaviour of ball type indium(III) phthalocyanine linked to glutathione capped nanoparticles. <i>Dyes and Pigments</i> , 2017, 140, 417-430. | 2.0 | 40 |
| 2 | Investigation of photophysicochemical properties of zinc phthalocyanines conjugated to metallic nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 148-161. | 2.0 | 37 |
| 3 | Green Synthesis of Biogenic Zinc Oxide Nanoflower as Dual Agent for Photodegradation of an Organic Dye and Tyrosinase Inhibitor. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 886-897. | 1.9 | 35 |
| 4 | Low symmetric metallophthalocyanine modified electrode via click chemistry for simultaneous detection of heavy metals. <i>Journal of Electroanalytical Chemistry</i> , 2018, 813, 58-66. | 1.9 | 31 |
| 5 | Corrosion Resistance of Aluminum against Acid Activation: Impact of Benzothiazole-Substituted Gallium Phthalocyanine. <i>Molecules</i> , 2019, 24, 207. | 1.7 | 27 |
| 6 | Synthesis, photophysical and nonlinear optical properties of a series of ball-type phthalocyanines in solution and thin films. <i>New Journal of Chemistry</i> , 2017, 41, 2020-2028. | 1.4 | 25 |
| 7 | Glycosylated zinc phthalocyanine-gold nanoparticle conjugates for photodynamic therapy: Effect of nanoparticle shape. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 85-95. | 2.0 | 25 |
| 8 | Nonlinear optical dynamics of benzothiazole derivatized phthalocyanines in solution, thin films and when conjugated to nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 46-59. | 2.0 | 22 |
| 9 | Photophysicochemical properties and photodynamic therapy activity of chloroindium(III) tetraarylporphyrins and their gold nanoparticle conjugates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 34-45. | 0.4 | 22 |
| 10 | Gold Nanoparticle-Decorated Bi ₂ S ₃ Nanorods and Nanoflowers for Photocatalytic Wastewater Treatment. <i>Catalysts</i> , 2021, 11, 355. | 1.6 | 22 |
| 11 | Enhanced nonlinear optical response of benzothiazole substituted ball-type phthalocyanines in the presence of metallic nanoparticles. <i>Optical Materials</i> , 2018, 82, 93-103. | 1.7 | 20 |
| 12 | Nonlinear optical responses of carbazole-substituted phthalocyanines conjugated to graphene quantum dots and in thin films. <i>Journal of Luminescence</i> , 2019, 213, 88-97. | 1.5 | 20 |
| 13 | 3D hierarchically porous magnetic molybdenum trioxide@gold nanospheres as a nanogap-enhanced Raman scattering biosensor for SARS-CoV-2. <i>Nanoscale Advances</i> , 2022, 4, 871-883. | 2.2 | 19 |
| 14 | Photophysical and strong optical limiting properties of ball-type phthalocyanines dimers and their monomeric analogues. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 352, 73-85. | 2.0 | 17 |
| 15 | Photophysical and nonlinear optical study of benzothiazole substituted phthalocyanines in solution and thin films. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 263-272. | 0.4 | 16 |
| 16 | Effect of number of positive charges on the photophysical and photodynamic therapy activities of quaternary benzothiazole substituted zinc phthalocyanine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 253-260. | 2.0 | 16 |
| 17 | Inhibition of Aluminium Corrosion Using Benzothiazole and Its Phthalocyanine Derivative. <i>Electrocatalysis</i> , 2019, 10, 445-458. | 1.5 | 16 |
| 18 | Photophysical and optical limiting properties at 532 nm of BODIPY dyes with <i>p</i> -benzyloxystyryl groups at the 3,5-positions. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 413-422. | 0.4 | 14 |

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|----|--|-----|-----------|
| 19 | Photo-induced resonance energy transfer and nonlinear optical response in ball-type phthalocyanine conjugated to semiconductor and graphene quantum dots. <i>New Journal of Chemistry</i> , 2018, 42, 6040-6050. | 1.4 | 12 |
| 20 | Photophysical and enhanced nonlinear optical response in asymmetric benzothiazole substituted phthalocyanine covalently linked to semiconductor quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 629-639. | 2.0 | 12 |
| 21 | An optical limiting study in aminophenoxy substituted phthalocyanine in the presence of semiconductor quantum dots. <i>Journal of Luminescence</i> , 2018, 203, 247-256. | 1.5 | 12 |
| 22 | Ball-type phthalocyanines and reduced graphene oxide nanoparticles as separate and combined corrosion inhibitors of aluminium in HCl. <i>Journal of Molecular Structure</i> , 2021, 1236, 130279. | 1.8 | 12 |
| 23 | 4-Bis(4-aminophenoxy)phenoxy derivitized phthalocyanine conjugated to metallic nanoparticles: searching for enhanced optical limiting materials. <i>New Journal of Chemistry</i> , 2017, 41, 14351-14363. | 1.4 | 11 |
| 24 | Nanosecond optical nonlinearities in low symmetry phthalocyanine nanoconjugates studied using the Z-scan technique. <i>Journal of Luminescence</i> , 2017, 192, 1167-1179. | 1.5 | 11 |
| 25 | Novel nano-dyad of homoleptic sandwich-type phthalocyanines with nitrogen doped graphene quantum dots for nonlinear optics. <i>New Journal of Chemistry</i> , 2018, 42, 10124-10133. | 1.4 | 10 |
| 26 | Photophysicochemical and photodynamic therapy properties of metallophthalocyanines linked to gold speckled silica nanoparticles. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 25, 325-333. | 1.3 | 10 |
| 27 | One-Pot Synthesis of One-Dimensional Multijunction Semiconductor Nanochains from $\text{Cu}_{1.94}\text{S}$, CdS, and ZnS for Photocatalytic Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58630-58639. | 4.0 | 9 |
| 28 | Theoretical and photodynamic therapy characteristics of heteroatom doped detonation nanodiamonds linked to asymmetrical phthalocyanine for eradication of breast cancer cells. <i>Journal of Luminescence</i> , 2020, 227, 117465. | 1.5 | 8 |
| 29 | The photophysicochemical behavior of symmetric and asymmetric zinc phthalocyanines, surface assembled onto gold nanotriangles. <i>New Journal of Chemistry</i> , 2018, 42, 14290-14299. | 1.4 | 7 |
| 30 | Light- and Melanin Nanoparticle-Induced Cytotoxicity in Metastatic Cancer Cells. <i>Pharmaceutics</i> , 2021, 13, 965. | 2.0 | 6 |
| 31 | Photodynamic therapy characteristics of phthalocyanines in the presence of boron doped detonation nanodiamonds: Effect of symmetry and charge. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102705. | 1.3 | 6 |
| 32 | Synthesis of ZnS-CuS-Bi nanonail heterostructures and funnel mechanism of their photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106066. | 3.3 | 4 |
| 33 | Electrodeposited Benzothiazole Phthalocyanines for Corrosion Inhibition of Aluminium in Acidic Medium. <i>International Journal of Electrochemistry</i> , 2020, 2020, 1-11. | 2.4 | 2 |